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PHASE 1: DESK TOP STUDY REPORT

MR KEVIN WASHBOURNE

PROPOSED RESIDENTIAL DEVELOPMENT AT

BOLDON COLLIERY WORKING MENS CLUB

STATION ROAD

BOLDON COLLIERY

TYNE AND WEAR

NE35 9HP

Project No: 14-234

Prepared By:

Alex Lamb 

Date: 28th May 2014

Approved By:

Kevin Moir 

Date: 28th May 2014

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

1.0 Introduction

May 2014

Arc Environmental Limited has been instructed by A.D. Designs of Gateshead on behalf of Mr Kevin Washbourne to undertake a Phase 1: Desk Top Study Report, for the proposed residential development on land currently occupied by the disused Boldon Colliery Working Men's Club, just off Station Road, Boldon, Tyne and Wear. A site reconnaissance (walkover) survey was undertaken as part of these works, which involved an inspection of the site and its vicinity. Site photographs were taken during the survey and these can be seen attached in Appendix II, with all relevant observations noted in Section 2.1 below.

The primary objectives of the report are to assess the geological and potential ground contamination conditions on and beneath the surface of the site. This Phase 1: Desk Top Study has been carried out generally in accordance with CLR11: Model Procedures for the Management of Land Contamination and based on all of the data reviewed, a 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.

2.0 Physical Setting

2.1 Site Details:-

Table 2.1 N=North, S=South etc.

Site Name & Address:	Boldon Colliery Working Mens Club, Station Road, Boldon Colliery, Tyne and Wear, NE35 9HP.
National Grid Reference:	434360, 562330 (representative for the central part of the site).
Description of Location:	The site is situated within a residential setting, within the village of Boldon Colliery. The site is accessible via Station Road however at the moment the entire site is covered in buildings.
Site Boundaries:	N = Residential properties on Station Road; E = Station Road; S = Access Road; W = Wilton Gardens South (Road).
Site Shape & Development Details:	The whole site, as indicated on the proposed layout plans provided by the client, is rectangular in shape and occupies an area of 0.09Ha. The proposed development currently involves the demolition of the current building onsite and the development of seven residential terraced properties.
Above Ground Structures:	The current Boldon Colliery Working Mens Club building occupies the entire site.
Sub-surface Structures & Services:	Current/Historic services associated with onsite structures are likely to be present below the site.
Summary of Site History	The current working mens club building was developed c.1917 and remains to present day. There has been little significant change over the history of the site.
Walkover Comments:	The Boldon Colliery Working Mens Club occupies much of the site area and is currently disused. The entire site area is hardstanding. There is no indication externally around the site of a basement or cellar associated with the club. An internal inspection was not carried out and the possibility of cellars (either still in use or abandoned) cannot be discounted.

3.0 Environmental Setting

3.1 Site Geology:-

The geological assessment for this site has been based on records produced by the British Geological Survey (BGS). The following documents have also been reviewed as part of this study:-

- Sheet 21, Sunderland, England and Wales, Solid Edition, 1:50,000 Series.
- BGS Digital Mapping.
- BGS 1:10,560 Sheet NZ36SW.

3.0 Environmental Setting (Cont'd)

3.1 Site Geology (Cont'd):-

- BGS Borehole NZ36SW20, located c.290m to the south-east and BGS trial pits NZ36SW623 & 624 located c.160m to the north-east.

3.1.1 Made Ground:-

Published BGS data indicated an absence of made ground on or immediately adjacent to the site. However, made ground materials are anticipated below the majority of the site associated with the existing and historical developments (i.e. construction of the existing buildings), the nature and thickness of which is unknown at this stage, although this is anticipated as <1m in thickness. Locally deeper areas of made ground may be present if cellars are evident below parts of the site.

3.1.2 Drift Deposits:-

The underlying drift deposits are currently shown to comprise Pelaw Clay Member (Till - firm to stiff, sandy gravelly clays). BGS Trial Pits NZ36SW623 & 624 c.160m to the north-east identified firm brown and grey mottled fissured stony clay to depths of at least c.2.50m bgl. BGS borehole NZ36SW20 located c.290m to the south-east identified 'dark brown clay' to at least c.13.3m bgl. Published mapping suggests potentially deep superficial drift as the site lies on the northern limb of a possible deep buried valley.

3.1.3 Solid Geology:-

Published BGS plans and maps indicate that the solid geology below this site initially is recorded as the Middle Coal Measures deposited during the period of Earth's history known as Carboniferous. Mudstone is expected at rockhead.

3.2 Coal Mining & Mineral Extraction Assessment:-

The bedrock deposits below the site are indicated as the Middle Coal Measures. The site lies in a complex geological area with faulting surrounding the site. There are no identified subcropping seams at shallow depth. Based on stratigraphic location of the site, i.e. just below the Down Hill Marine Band, the shallowest seam of significance is calculated as the Bottom Hebburn Fell at c.130m below the site. The Bottom Hebburn Fell is anticipated to be present at a depth below the site area of at least c.130m, with a maximum thickness of c.1.62m falling within the conventionally accepted minimum rock cover ratio of 10, taken as "safe" conditions (CIRIA Special Publication 32 – Building over abandoned mine workings). Therefore at this stage it is felt that the mechanisms for future ground subsidence and crown hole failures occurring in the future as a direct result of shallow mining activities below the site is deemed to be negligible.

A Non-Residential Coal Authority Mining Report was procured to further assess the risks posed to the site with respect to possible instability issues arising in the future as a direct result of past shallow coal mining activities. The report concludes that the property is in the likely zone of influence from working in three seams of coal last worked in c.1940 between c.400m - c.470m depth. As such, from the information obtained and reviewed, no further assessment or intrusive investigation works are required with regards to historical coal mining activities and it can be seen there is no significant risk associated with shallow coal mining activities.

Boldon Colliery was recorded to the south-east of the site c.1897 – c.1990 c.100m and worked seams a significant depths below the site. Shafts were also recorded within Boldon Colliery infrastructure. A brick works were recorded c.300m to the north-west and was present between c.1939 and c.1982. An additional brick works was noted to the south-east c.500m and was present between c1898 and c.1921. Due to the distance and date of infilling, these brick works features are not deemed to be a significant risk to the site

3.0 Environmental Setting (Cont'd)

3.3 Site Hydrogeology:-

Table 3.1

STRATA	Aquifer / Soil Leachability EA Classification	Comments
Made Ground:	Soils of High Leaching Potential (U).	Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise.
Drift Geology:	Low Permeability.	The natural drift deposits below the site comprise Pelaw Clay.
Solid Geology:	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.

- There is one Zone III (Total Catchment) Source Protection Zone located c.873m east of the site named Fulwell.
- There are no Water Abstraction Points within c.500m of the site.

3.4 Site Hydrology:-

Table 3.2

SURFACE WATER FEATURE	Location	Comments
GQA Classified River	None recorded within c.250m.	~
Unclassified Watercourse(s), Canals, Ponds & Lakes	None recorded within c.250m.	~
Flooding	The site is shown to fall outwith designated Flood Zone II & III and therefore is unlikely to be at significant risk from future flooding.	It is recommended that further consultation with the LA and EA 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.
RAINFALL	**Measurements (mm)**	**Comments**
Annual	597.2	Based on station average records at Tynemouth from 1981 – 2010.
Max Rainfall, Nov	62.8	
Min Rainfall, Apr	37.8	

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 data held by the BGS.

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

3.0 Environmental Setting (Cont'd)

3.6 Site Ecology

The site is an area of adopted green belt land managed by South Tyneside Metropolitan Borough Council c.274m to the north of the site.

No other identified sensitive land uses were recorded within c.500m.

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

Element	Location	Measured Urban Soil Values (mg/kg)
Arsenic	On Site	<15
Cadmium	On Site	<1.8
Chromium (total)	On Site	60 – 90
Lead	On Site	<150
Nickel	On Site	15 – 30

4.0 Industrial Setting

4.1 Recent Site History:-

Copies of old survey plans covering this site area and adjacent land are included in Appendix III, and the relevant details from these are summarised in Table 4.1 below and on the following page.

Table 4.1

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

Date	Scale	Site	Adjacent Areas
c.1862 - c.1895	1:10,560 1:2,500	The site is undeveloped and located within open fields.	The surrounding area is mostly undeveloped. Harden Farm is located c.110m to the east.
c.1897 - c.1898	1:2,500 1:10,560	Generally as c.1862 - c.1895.	A possible **Mounding Feature** is located c.50m north. The Colliery Inn is located c.40m south-east with significant residential development beyond. Allotment gardens are located c.110m west of the site. A large scale **rail** network is located c.190m east as well as a **reservoir** within **Boldon Colliery.**
c.1917 - c.1921	1:2,500 1:10,560	The site is now on station road. A building is located onsite taking up much of the site area, believed to be the current club located on site.	A football ground is now adjoining to the west. Properties are located along Station Road. **Shafts** are recorded within the **Colliery** c.270m to the east. The **Mounding Feature** to the north is no longer recorded.
c.1938	1:10,560	Generally as c.1917 - c.1921.	Generally as c.1917 - c.1921.
c.1939 - c.1941	1:2,500	The building on site is labelled 'institute'.	The football ground adjoining to the west is no longer recorded.
c.1951 - c.1952	1:10,000	Generally as c.1939 - c.1941.	A **Brick Works** is recorded c.270m to to the east adjoining the **Colliery**.
c.1956 - c.1969	1:1,250 1:2,500	The site is now labelled 'Boldon Colliery Working Men's Club and Social Institute'.	Residential properties have been developed on the old football ground to the west. The **Colliery** have been scaled down.

4.0 Industrial Setting (Cont'd)

4.1 Recent Site History (Cont'd):-

Table 4.1 (Cont'd) Significant features/potential contamination sources highlighted in **bold** text.

Date	Scale	Site	Adjacent Areas
c.1975 - c.1982	1:10,000 1:1,250	Generally as c.1956 - c.1969.	The **Colliery** to the east have significantly reduced in size and many **Railway Tracks** have been removed. The **Brickworks** and **Reservoir** to the east are no longer recorded.
c.1992 - c.1993	1:10,000 1:1,250	Generally as c.1975 - c.1982.	There has been further residential development around the site.
c.1994 - c.1995	1:1,250	The building on site is now recorded as 'club'.	The **Colliery** and associated infrastructure are no longer present to the east of the site.
c.2014	1:10,000	No significant change.	No significant change.

4.2 Landfill & Waste:-

The following information relating to landfill and waste has been obtained from the Landmark Information Group, the Environment Agency (EA), historical data and the site reconnaissance walkover survey;

- There are no Historical Landfill Sites within c.250m of the site.
- There are no Licensed Waste Management Facilities within c.250m of the site.
- There are no Registered Waste Treatment or Disposal Sites within c.250m of the site.
- There are no Local Authority Recorded Landfill Sites within c.250m of the site.
- Historic brick works are not thought to be of significant risk due to distance and date of infilling.
- Boldon Colliery workings expected at significant depth below the site and not associated with shallow workings. Therefore not representing a significant risk.
- Limited made ground is expected to be present across areas of the site associated with previous historical site development, and although some local deeper areas may be present if cellars are evident, these were constructed c.1917 and significant biodegradable content is not expected.

Based on the information reviewed, it is felt that there are no identified potentially significant sources of ground gas generation present on this site or from surrounding offsite sources (i.e. infilled quarries, ponds etc). Therefore no further investigation or monitoring would be required associated with the risks from hazardous ground gases resulting from significant made ground materials, landfills or infilled pits, etc.

4.3 Statutory Requirements / Authorisations:-

Table 4.2

TYPE	Location	Comments
Enforcement and Prohibition Notices	None recorded within c.250m.	~
Integrated Pollution / Prevention Controls and Enforcements	None recorded within c.250m.	~
Prosecutions Relating to Authorised Processes	None recorded within c.250m.	~
Registered Radioactive Substances	None recorded within c.250m.	~
Planning Hazardous Substances Consents / Enforcements	None recorded within c.250m.	~

4.0 Industrial Setting (Cont'd)

4.3 Statutory Requirements / Authorisations (Cont'd):-

Table 4.2 (Cont'd)

TYPE	Location	Comments
Contemporary Trade Entries	Ten recorded within c.250m.	Six are inactive, the remaining entries are located c.202m to c.249m relating to iron works, ornamental metalwork, MOT testing centre and a cleaners. These entries are not considered a significant risk to the proposed development. (Envirocheck Ref: 27 – 29)
Fuel Station Entries	None recorded within c.250m.	~

4.4 Pollution Incidents and Discharge Consents:-

Table 4.3

TYPE	Location	Comments
Discharge Consents	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters	None recorded within c.250m.	~
Prosecutions Relating to Controlled Waters	None recorded within c.250m.	~
Substantiated Pollution Incident Register	None recorded within c.250m.	~
Water Industry Act Referrals	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 potentially 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 below. 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 plausible pollutant linkages of concern for this particular site, with regard to potential contamination as indicated below.

Table 5.1

	Sources (S)		Pathways (P)		Receptors (R)
S1	Made ground associated with historical development of the site.	P1	Ingestion	R1	Human Health (future site users and construction workers)
		P2	Inhalation of indoor / outdoor air	R2	Groundwater (Secondary A Aquifer)
		P3	Dermal contact	R3	Building materials
		P4	Migration through existing services		
		P5	Direct contact with building materials	R4	Adjacent sites
		P6	Infiltration and surface runoff	R5	Flora and fauna

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

5.1 Geotechnical Considerations:-

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

- Historical services and relic foundations below the site associated with the buildings on and around the site
- Geotechnical parameters of drift deposits.
- Lateral support could be needed is localised thickness of made ground is present below site.
- Potential for localised areas of deeper made ground associated with possible club cellar (if present).
- Control of surface drainage.

In order to determine the geotechnical considerations above in more certainty, it is recommended that further intrusive works be completed for this site, to aid in assessing the extent of any potential issues prior to commencing with the proposed redevelopment works.

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

5.2 Sources of Contamination and Probable Contaminants:-

The historical Ordnance Survey maps, the Landmark Envirocheck Report and other environmental information has revealed that the site was developed from c.1917 with Boldon Colliery Working Men's Club building and which remains to present day.

The following potential limited contamination sources have been identified for this site and these should be considered prior to commencing with the proposed or future redevelopment works;

- Made ground associated with historical site development.

It is therefore concluded that some limited 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 the building materials. In consideration of the above and when taking into account the guidance contained in the DEFRA and EA Contaminated Land Reports and the appropriate DoE industry profiles (if applicable), it would be prudent to test samples of the soil from this site for a range of contaminants, as highlighted below.

Soils – Human Health:-

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

The information reviewed indicates that the site and current redevelopment proposals represent a **LOW** ground contamination risk setting for Human Health.

Groundwater / Leachate – Controlled Waters:-

When considering the potential risk to controlled waters associated with this site, the following issues have been taken into consideration.

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

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

Groundwater / Leachate – Controlled Waters (Cont'd):-

Groundwater below the site has been classified as a Secondary A Aquifer and is considered to be at a considerable depth below the site within the solid geology.

Also, the closest Source Protection Zone (SPZ) is located c.873m to the east and there are no water abstraction points within c.1km of the site. Therefore it is felt that there is a low risk to ground contamination on this site.

If significantly elevated levels of contaminants are present, based on the soil screening carried out, then targeted leachate screening can 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 and current redevelopment proposals represent a **LOW** ground contamination risk setting for Controlled Waters.

5.3 Preliminary Risk Assessment Summary & Recommendations

Human Health – At this stage, there is felt to be a low risk to human health due to the lack of significant historical contaminative activities.

Groundwater / Leachate – Controlled Waters – At this stage there it is considered that groundwater beneath the site is at a low risk when considering the lack of plausible sources of heavy or gross contamination. However, this will need to be reassessed if significant elevated levels of contamination are encountered during the intrusive works.

It is recommended that a Phase 2: Ground Investigation (intrusive investigation) is completed for this site to determine ground conditions and if any ground contamination is present which could pose a risk towards the proposed end users or the environment. This investigation should be completed prior to commencing with any future developments and should include for the following or similar investigation works.

- A series of mechanically excavated trial pits including sampling and in situ testing were appropriate, to aid future foundation design. Target potential ground contamination issues and to collect samples for subsequent laboratory testing. These will need to be done post demolition.
- Appropriate laboratory geotechnical testing.
- Generic soil/leachate contamination screening on selected samples recovered from site.
- Site supervision and production of a factual and interpretive Phase 2: Ground Investigation Report, including a Level 1 Ground Contamination Risk Assessment, if required.

The samples of soil collected should be forwarded to UKAS and MCERTS accredited laboratory to undertake the recommended testing.

End of Report

GENERAL REFERENCES

- British Geological Survey: Maps, Reports, Memoirs, etc.
    - Sheet 21, Sunderland, England and Wales, Solid Edition, 1:50,000 Series.
    - BGS Digital Mapping.
    - BGS 1:10,560 Sheet NZ36SW.
    - BGS Borehole NZ36SW20, located c.290m to the south-east and BGS trial pits NZ36SW623 & 624 located c.160m to the north-east
- 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: Code of Practice for the Investigation of Potentially Contaminated Sites
- BS5930:1999+A2:2010: Code of Practice for Site Investigations
- Guidance on Investigation and Assessment for Contaminated Sites (CIRIA SP:103)
- 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)
- Coal Authority Gazetteer.
- Landmark Information Group, Envirocheck Report, ref: 56319685_1_1
- BS8576:2013: Guidance on investigations for ground gas – Permanent gases and Volatile Organic Compounds (VOCs).
- CIRIA report C733 - Asbestos in soil and made ground.

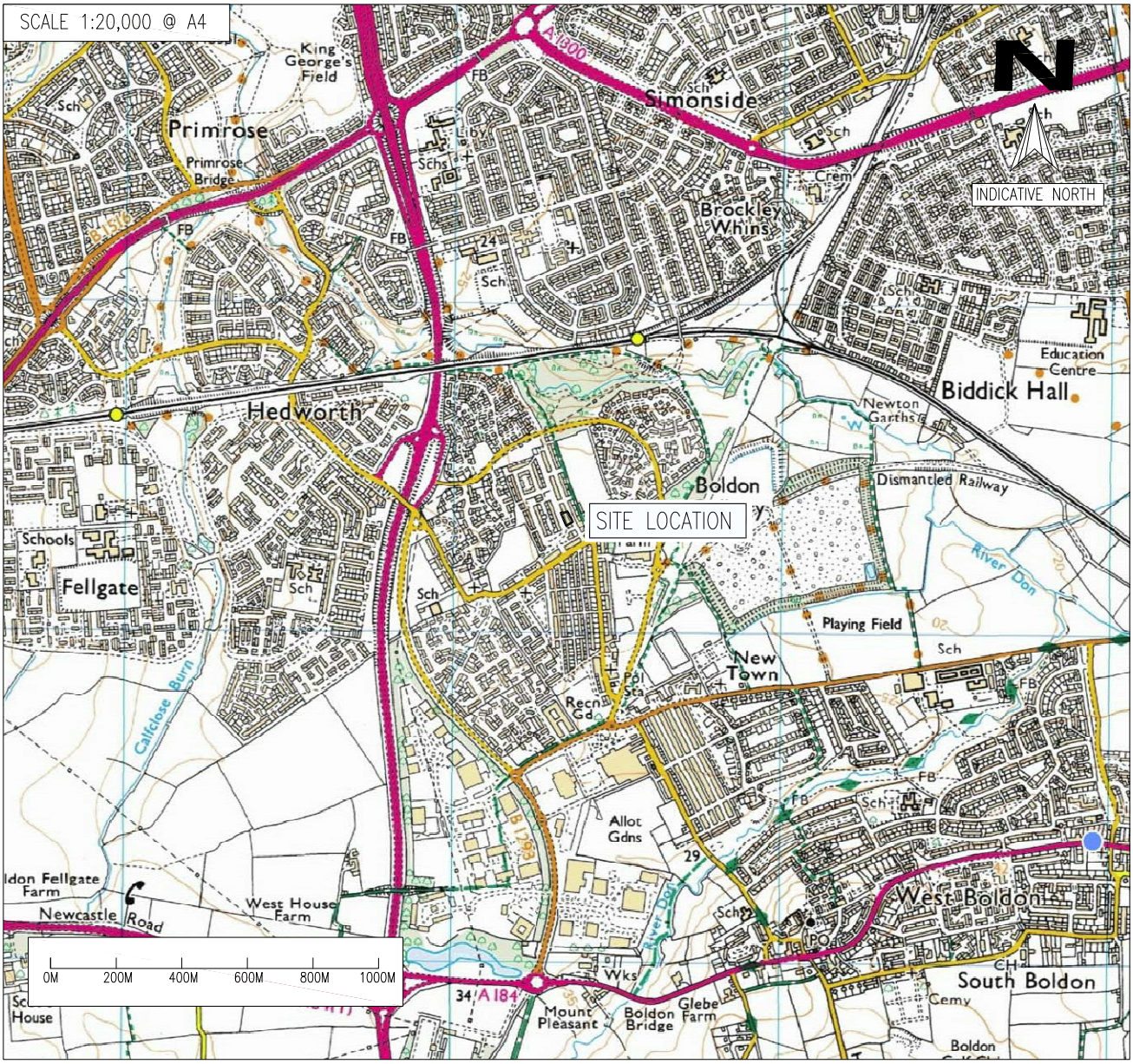
APPENDIX I

Location Plan

Aerial Photograph

Existing Layout Plan

Proposed Development Layout Plan



Client:

MR KEVIN WASHBOURNE

Project Title:	Drawing Title:
Proposed Residential Development at Boldon Colliery W.M. Club Station Road, Boldon Colliery, NE35 9HP	Location Plan

rev.	date	amendments	drawn	chckd

Job Reference:	Drawing Number:	Revision:
14-234	–	–

Drawn by:	Date:	Scale at A4:
P.D	28.05.14	As Shown

Checked by:	Approved by:	
A.L	A.L	The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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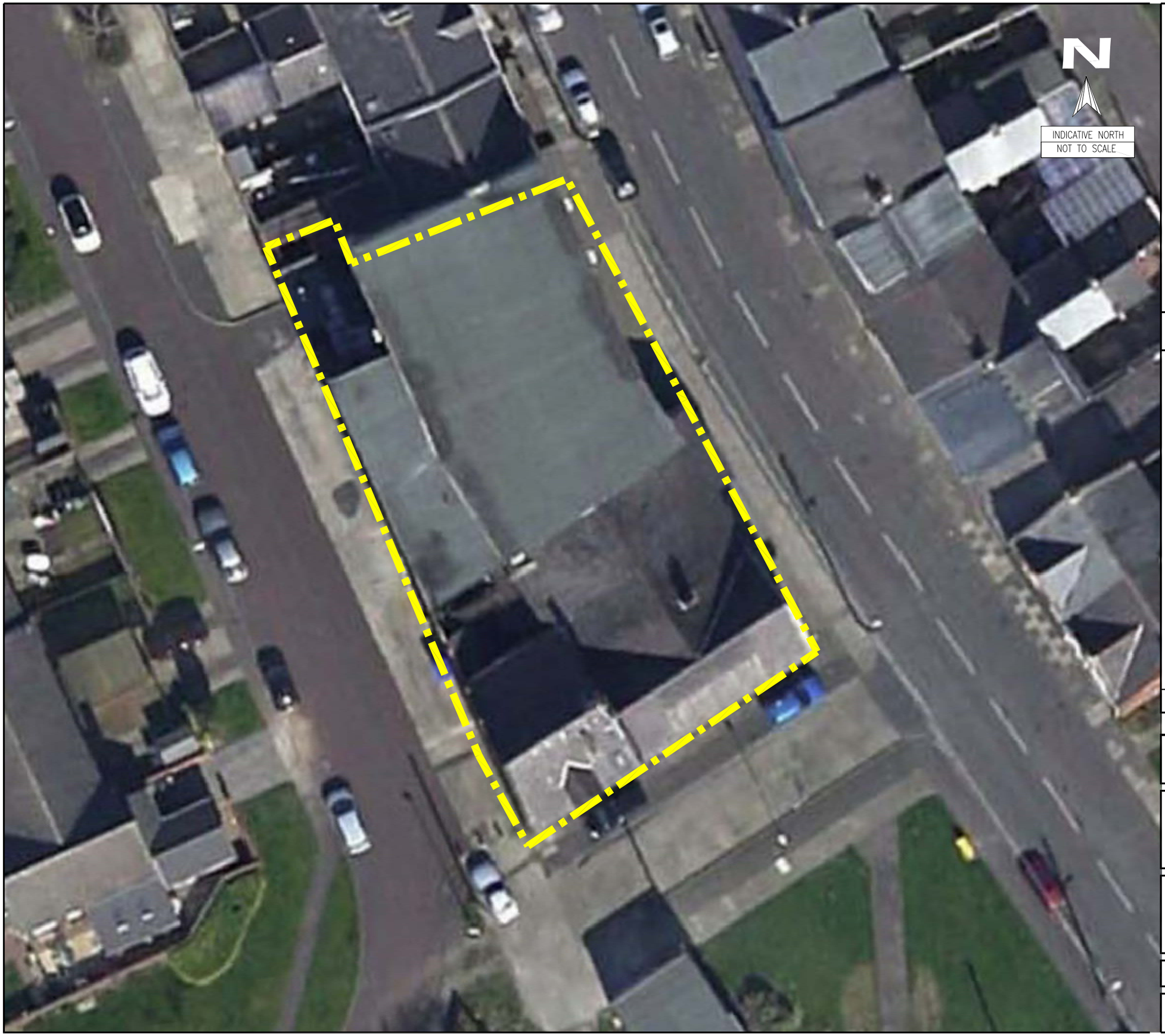

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LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

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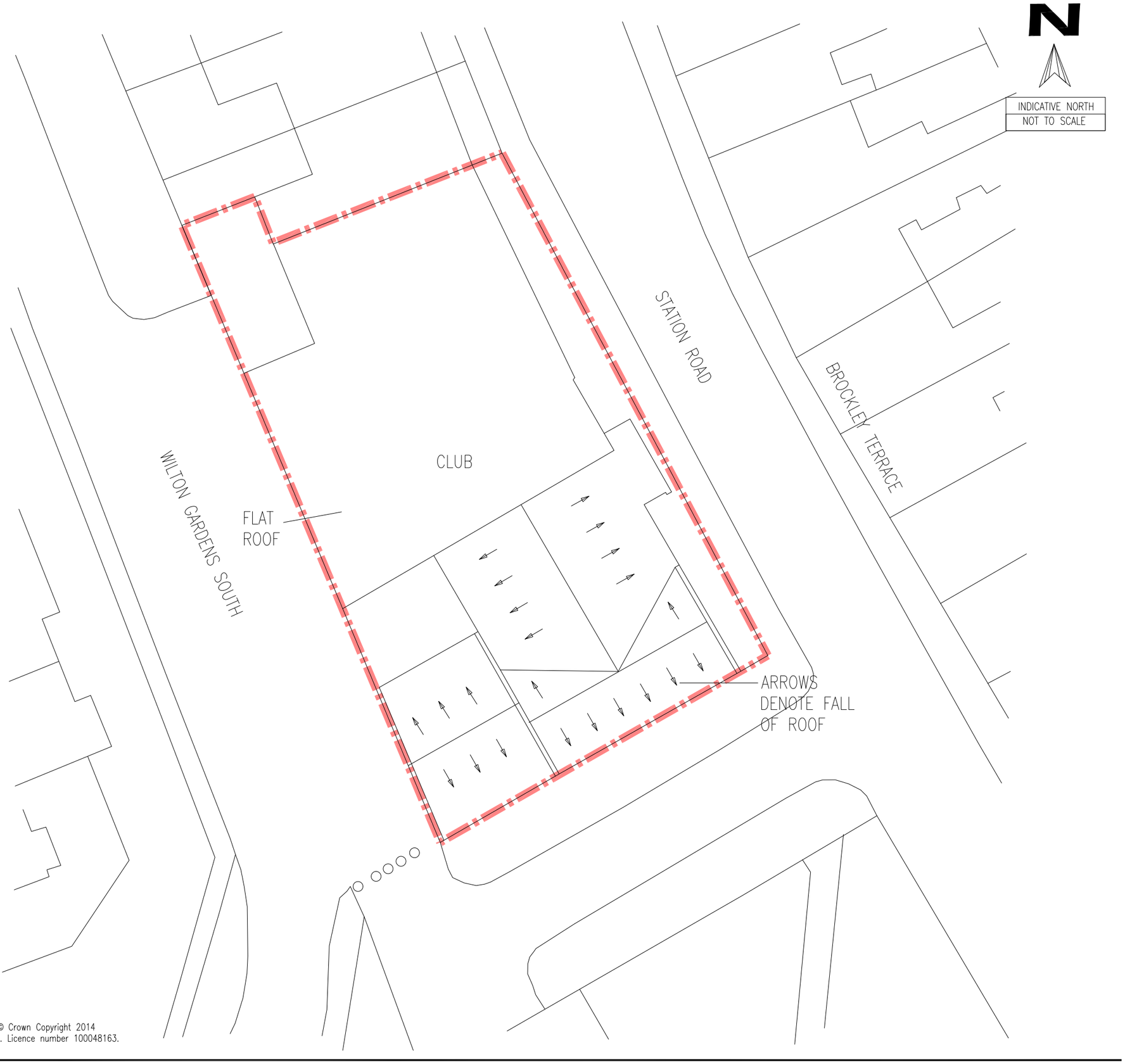
Project Title:
Proposed Residential Development at
Boldon Colliery Working Mens Club
Station Road, Boldon Colliery, NE35 9HP

Drawing Title:
Aerial Photograph

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	28.05.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-234	–	–



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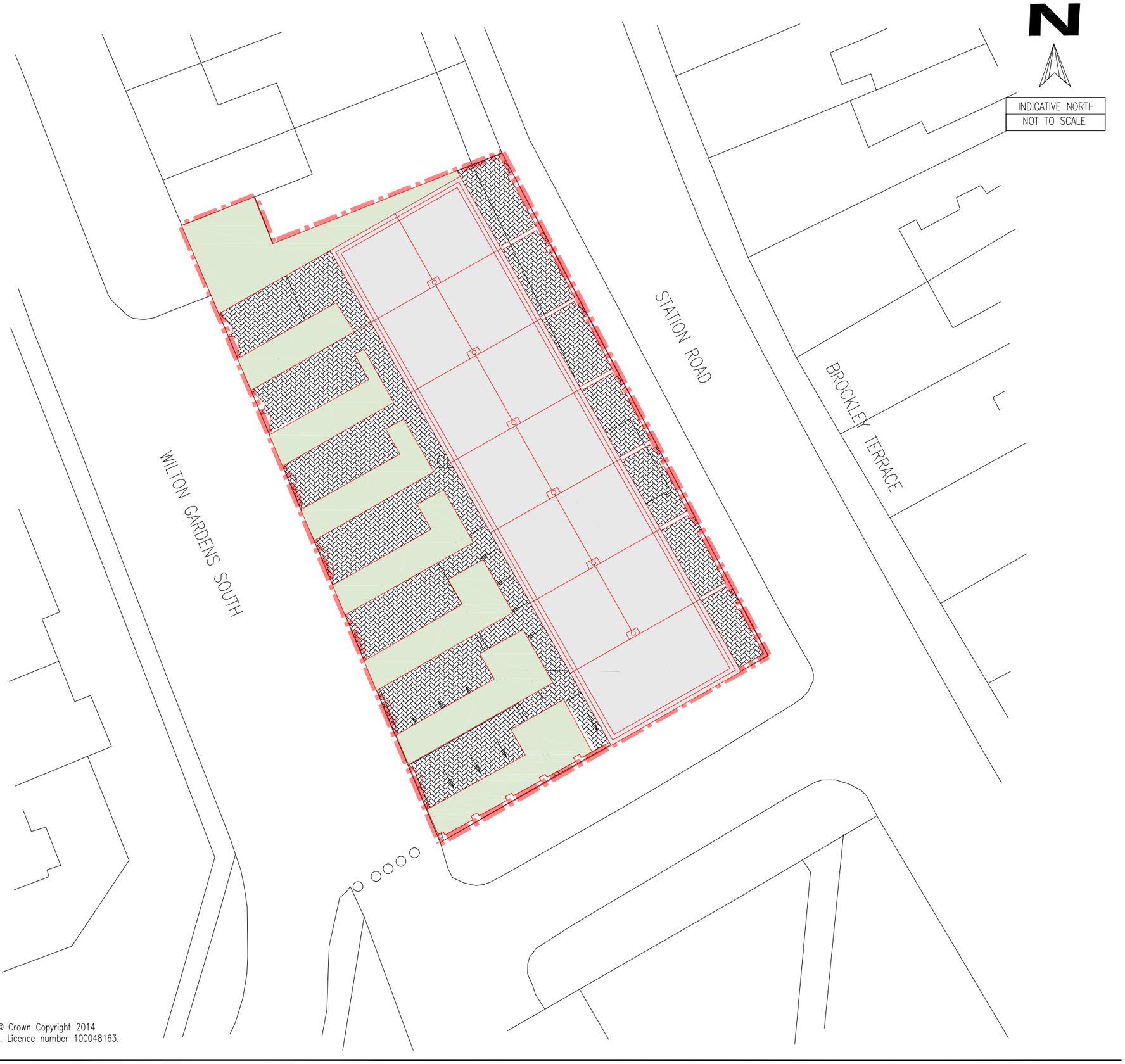
Station Road, Boldon Colliery, NE35 9HP

Drawing Title:
Existing Site Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	28.05.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-234	–	–



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LEGEND

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Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	28.05.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-234	–	–

APPENDIX II

Site Observations – Walkover Record Sheet

BGS Borehole Record Sheets

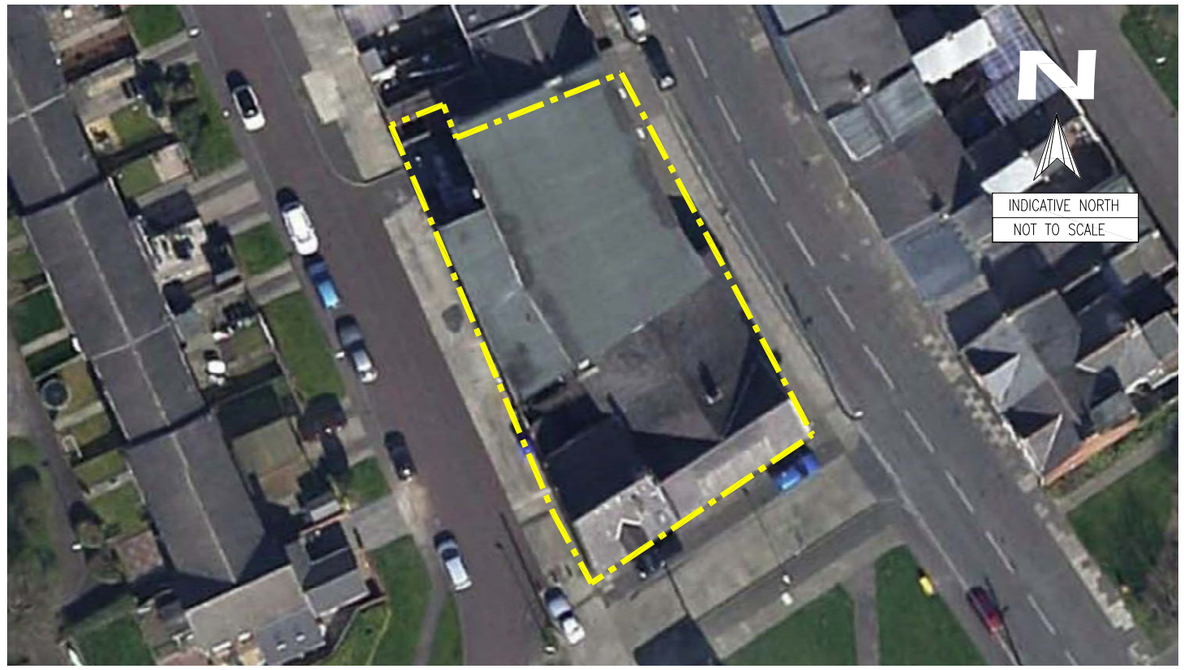


PLATE 1

PLATE 2

PLATE 3

PLATE 4

PLATE 5

PLATE 6

PLATE 7

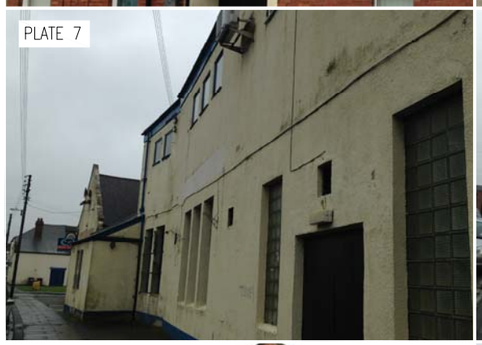


PLATE 8

PLATE 9

PLATE 10

PLATE 11

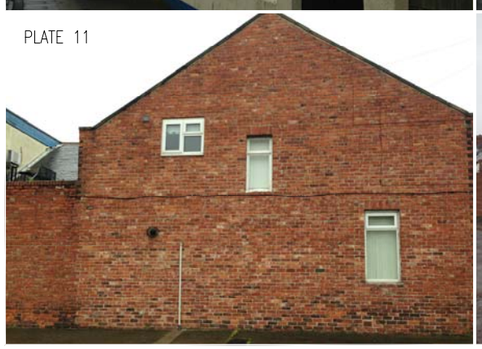


PLATE 12

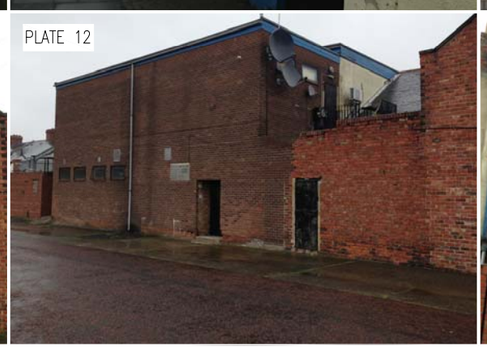


PLATE 13

PLATE 14

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

SITE INFORMATION:

- THE SITE IS SITUATED WITHIN A RESIDENTIAL SETTING, WITHIN THE VILLAGE OF BOLDON COLLIERY
- THE SITE IS ACCESSIBLE VIA STATION ROAD HOWEVER AT THE MOMENT THE ENTIRE SITE IS COVERED IN BUILDINGS
- THE WHOLE SITE, AS INDICATED ON THE PROPOSED LAYOUT PLANS PROVIDED BY THE CLIENT, IS RECTANGULAR IN SHAPE AND OCCUPIES AN AREA OF 0.09HA
- THE PROPOSED DEVELOPMENT CURRENTLY INVOLVES THE DEMOLITION OF THE CURRENT BUILDING ONSITE AND THE DEVELOPMENT OF SEVEN RESIDENTIAL TERRACED PROPERTIES
- THE CURRENT BOLDON COLLIERY WORKING MENS CLUB BUILDING OCCUPIES THE ENTIRE SITE
- CURRENT/HISTORIC SERVICES ASSOCIATED WITH ONSITE STRUCTURES ARE LIKELY TO BE PRESENT BELOW THE SITE
- THE BOLDON COLLIERY WORKING MENS CLUB OCCUPIES MUCH OF THE SITE AREA AND IS CURRENTLY DISUSED
- THE ENTIRE SITE AREA IS HARDSTANDING. THERE IS NO INDICATION EXTERNALLY AROUND THE SITE OF A BASEMENT OR CELLAR ASSOCIATED WITH THE CLUB
- AN INTERNAL INSPECTION WAS NOT CARRIED OUT AND THE POSSIBILITY OF CELLARS (EITHER STILL IN USE OR ABANDONED) CANNOT BE DISCOUNTED

rev.	date	amendments	drawn	chckd

Client:
MR KEVIN WASHBOURNE

Project Title:
Proposed Residential Development at
Boldon Colliery Working Mens Club
Station Road, Boldon Colliery, NE35 9HP

Drawing Title:
Site Photographic Record Sheet (1)

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	28.05.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14-234	–	–

DUNELM DRILLING CO.

BOREHOLE RECORD

Contract No. C.3301 Client BELLWAY HOMES LTD

Ground Level ..... Location BOLDON COLLIERY - STAGE II

Date JUNE 1987 BOREHOLE No. TRIAL PITS.

Depth	Thickness	Legend	Description of Strata	Type of Sample	C kN/m²	M %	Ø	Density Kg/m³	N
			TP7						
0.25	0.25		SOIL						
			FIRM BROWN & GREY MOTTLED FISSURED STONY CLAY	V 0.75	110.0				
	2.25			U 1.50	120.0				
2.50									
			DRY						
			TP8						
0.25	0.25		SOIL						
			FIRM BROWN & GREY MOTTLED FISSURED STONY CLAY	V 0.75	100.0				
	2.25			U 1.50	100.0				
2.50									
			DRY						

Water Struck at ..... Standing Water Level .....

NZ36SW/20

Surface Level 100 ft. O.D.

Communicated N. of Eng. Inst. Min. Eng. "Borings & Sinkings" Vol. A-B. 193-4

Date of boring or sinking c. 1866 Borer

One-inch Map 21 Six-inch Map (County and Half-Quarter Sheet) Durham 7 NE E

BGS REGISTRATION NO
NZ 36 SW 120
PAGE NO. 1

	Thickness. Fathoms	feet.	ins.		Depth from Surface. Fathoms	feet.	ins.
Soil	-	-	8		-	-	8
Yellow clay	-	3	-		-	3	8
Dark brown clay	7	-	-		7	3	8
Sand with a little water	-	-	7		7	4	3
Loamy clay	1	-	-		8	4	3
Strong stony clay	7	1	-	(95)	15	5	3
Strong brown post	-	6	7		16	4	10
Brown metal	1	4	3		18	3	1
Black stone mixed with coal.	-	-	6		18	3	7
Grey metal thill	-	3	8		19	1	3
Soft brown metal	-	4	10		20	-	1
Strong grey metal with red partings	1	1	-		21	1	1
Grey post with coal pipes	-	4	-		21	5	1
Blue metal	1	-	6		22	5	7
Coal	-	-	2		22	5	9
Grey metal thill with balls of ironstone	-	5	6		23	5	3
Strong grey post	-	4	4		24	3	7
Strong grey metal	-	1	9		24	5	4
Strong grey post gindle	-	2	-		25	1	4
Grey white post	1	5	1		27	-	5
Blue metal	3	3	4		30	3	9
Black stone	-	-	6		30	4	3
Grey metal thill with ironstone balls	-	3	8		31	1	11
Brown post	4	2	5		35	4	4
Dark grey metal with brown partings	1	3	-		37	1	4

Blue metal	..	1	-	-	38	3 6
Black stone	..	-	-	7	39	- 1
Grey metal thill	..	-	1	7	39	1 8
Coal mixed with stone	..	-	1	-	39	2 8
Grey metal thill	..	-	2	-	39	4 8
White post	..	-	4	7	40	3 3
Blue metal	..	-	1	6	40	4 9
Grey post griddle	..	-	1	10	41	- 7
Blue metal.	..	2	1	10	43	2 5
Black stone	..	-	2	2	43	4 7
Grey metal thill	..	-	1	4	43	5 11
White post	..	-	4	-	44	3 11
Blue metal	..	-	-	10	44	4 9
Black stone with coal pipes	..	-	1	2	44	5 11
Grey metal thill with ironstone balls	..	-	3	-	45	2 11
Black stone	..	-	-	3	45	3 2
Grey metal thill ironstone balls, very much broken	..	-	1	5	45	4 7
Coal	..	-	-	6	45	5 1
Dark grey metal thill, ironstone balls	..	-	3	-	46	2 1
Dark grey metal	..	1	-	-	47	2 1
Blue metal	..	1	-	-	48	2 1
Black stone	..	-	-	7	48	2 8
Blue metal	..	1	-	-	49	2 8
Brown metal with partings	..	2	1	8	51	4 4
Brown post	..	1	2	-	53	- 4
Brown post with brown partings	..	-	3	-	53	3 4
Blue metal ironstone balls	..	3	2	7	56	5 11
Black stone	..	-	1	10	57	1 9
Grey post	..	1	4	-	58	5 9
Blue metal	..	3	3	-	62	2 9
Soft leader mixed metal post & coal	..	16	2	-	78	4 9
White post	..	2	-	-	80	4 9
Fault Breccia Hitch stone	..	-	3	-	81	1 9

		Faths.	feet.	ins.	Faths.	feet.	ins.
	Thill stone with iron stone balls	3	3	-	87	1	3
	Blue metal with post girdles	2	-	-	89	1	3
	Coal	-	-	8	89	2	11
	Thill stone	1	-	-	90	2	11
	Blue metal	3	-	-	93	2	11
	Grey post girdles mixed with whin	-	3	-	93	5	11
	Grey metal	2	-	-	95	5	11
1st Brecia	Blue metal & post, with little stone.	1	4	10	97	3	9
	Coal	-	1	5½	97	5	2½
	Grey metal band	-	-	3	97	5	5½
	Coal	-	1	4½	98	-	10
	Dark thill stone	-	2	-	98	2	10
	Grey post	-	4	-	99	-	10
	Grey metal & post girdles	3	4	-	102	4	10
	Blue metal	3	5	-	106	3	10
"	" Soft little stone	11	-	-	117	3	10
	Dark blue metal	2	1	-	119	4	10
	Coal	-	-	8	119	5	6
	Coal mixed with stone	-	-	3	119	5	9
	Seggar or thill stone, very soft with water	2	-	-	121	5	9
	White post & metal, very soft.	2	-	-	123	5	9
	Strong grey post	1	-	-	124	5	9
	Strong grey metal with post girdles	3	-	-	127	5	9
	Coal	-	-	3	128	-	-
	Band	-	-	1	128	-	1
	Coal	-	-	5	128	-	6
	Band	-	-	½	128	-	6½
	Coal, good.	-	-	11	128	1	5½
	Grey post with whin girdles	3	4	10	132	-	3½
	Strong grey metal & post girdles	1	2	-	133	2	3½

White post	1	2	3	138	4	8½
Coal	-	-	5	138	5	1½
Dark thill stone with iron balls	-	3	9	139	2	10½
White post with iron girdles	6	-	6	145	3	4½
Soft dark metal	1	5	6	147	2	10½
Coal	-	1	-	147	3	10½
Thill stone	-	2	1	147	5	11½
Coal good } Drift.	-	1	9	148	1	8½
Coal coarse }	-	-	6	148	2	2½
Thill stone	-	1	6	148	3	8½
Strong white post coal pipes at bottom	9	3	7	158	1	3½
Black stone	-	2	7½	158	3	11
Coal good	-	1	8	158	5	7
Splint	-	-	2	158	5	9
Thill stone	1	1	7	160	1	4
Grey metal	-	4	-	160	5	4
White post	-	5	9	161	5	1
Grey metal	-	5	10	162	4	11
Strong white post mixed with white & a little water & stone coarse grained of various colours	8	3	4	171	2	3
Dark blue metal	-	3	6	171	5	9
Dark stone	-	2	-	172	1	9
Post with iron girdles	1	2	-	173	3	9
Black slaty stone	1	5	6	175	3	3
Grey metal & post girdles	1	-	-	176	3	3
Dark blue metal with ironstone girdles	1	-	2	177	3	5
Coal	-	1	3	177	4	8
Dark stone mixed with coal	-	-	5	177	5	1
Strong grey metal	1	4	-	179	3	1
Strong grey post	2	5	-	182	2	1
Blue metal with ironstone girdles	1	4	-	184	-	1
Dark slaty stone	-	4	-	184	4	1

BGS REGISTRATION NO
NZ 36 SW 120
PAGE NO. 5

	Fathoms	feet	ins.	Fathoms	feet	ins.
Dark slaty stone	-	-	9	185	1	10
Seggar or thill stone	-	1	6	185	3	4
Strong grey metal	4	4	-	190	1	4
Grey metal stone with post gindles	3	-	9	193	2	1
Strong grey post whin gindles & a little water	10	1	2	203	3	3
Coal BRASS THILL. Drift.	-	2	6	203	5	9
Strong seggar	-	2	8	204	2	5
Strong grey metal with post gindles	1	3	6	205	5	11
Black metal stone.	1	3	9½	207	3	8½
Coal	-	-	5	207	4	1½
Dark metal stone	1	4	6	209	2	7½
Grey metal stone	-	5	-	210	1	7½
Grey post	-	5	-	211	-	7½
Strong grey metal	1	-	-	212	-	7½
White post	1	2	4	213	2	11½
Grey metal	2	3	-	215	5	11½
Coal	-	-	9	216	-	8½
Soft thill stone	-	3	1	216	3	9½
Coal	-	-	3	216	4	- ½
Band	-	-	2½	216	4	3
Coal	-	-	4	216	4	7
Strong grey post	1	1	-	217	5	7
Dark blue metal, whinstone gindles	2	4	10	220	4	5
Coal	-	1	7	221	-	-
Band	-	-	1½	221	-	1½
Coal	-	-	2½	221	-	4
Band	-	-	2	221	-	6
Coal	-	1	3	221	1	9
Seggar or thill stone	-	2	4	221	4	1
Black metal	-	1	5	221	5	6

YARD

Dark metal stone		-	3	4	225	5 7
Grey post with whin girdles		1	1	4	227	- 11
Strong grey metal with post girdles		2	4	-	229	4 11
Dark metal		-	-	1	229	5 -
Coal top	BENSHAM	-	3	1	229½	2 1
Splint		-	-	2½	229½	2 3½
Coal coarse		-	-	1½	229½	2 5
Coal, bottom		-	2	1	229½	4 6
Strong grey post		1	1	-	231	5 6
Strong grey metal with ironstone balls		2	-	-	233	5 6
Strong grey metal with post girdles		1	2	5	235	1 11
Coal splinty		-	1	-	235	2 11
Grey post		1	-	5	236	3 4
Grey metal		1	-	2	237	3 6
Black stone		-	1	9	237	5 3
Coal		-	-	7	237	5 10
Grey white post		3	1	7	241	1 5
Grey metal post girdles		-	4	-	241	5 5
Coal FIVE QUARTER		-	2	6	242	1 11
Grey metal		-	4	2	242½	- 1
White post		7	-	9	250	- 10
Grey metal		3	3	2	253½	4 -
Coal good	HUTTON.	-	4	4	254	2 4
Coal coarse		-	-	5	254	2 9
Grey metal thill		-	3	-	254	5 9
Grey metal with ironstone girdles		2	3	6	259	3 3
Grey metal with post girdles		1	5	7	259	2 10

Sump ↓

APPENDIX III

Landmark Envirocheck Report

Coal Authority Mining Report

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

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

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

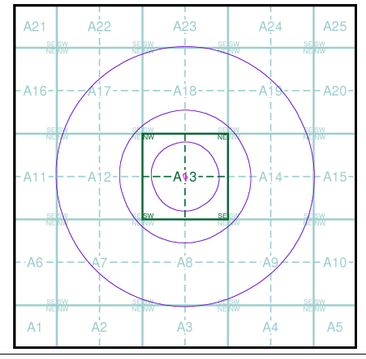
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Mud
Sand
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or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

arc environmental

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:10,560	1862	3
Northumberland	1:10,560	1864	4
Durham	1:10,560	1898	5
Northumberland	1:10,560	1899	6
Durham	1:10,560	1921	7
Durham	1:10,560	1938	8
Ordnance Survey Plan	1:10,000	1951 - 1952	9
Ordnance Survey Plan	1:10,000	1967 - 1968	10
Ordnance Survey Plan	1:10,000	1975 - 1977	11
Sunderland	1:10,000	1976	12
Newcastle-upon-Tyne	1:25,000	1977	13
Ordnance Survey Plan	1:10,000	1987	14
Ordnance Survey Plan	1:10,000	1992	15
VectorMap Local	1:10,000	2014	16

Historical Map - Slice A



Order Details

Order Number: 56319685_1_1
Customer Ref: 14-234
National Grid Reference: 434360, 562330
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

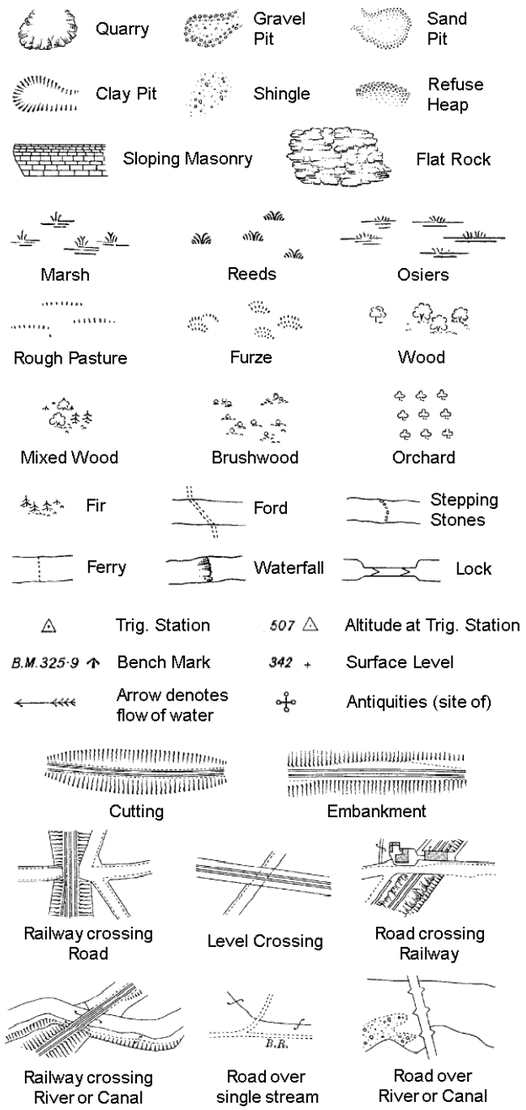
Site Details

Boldon Colliery Working Mens Club, Station Road, BOLDON COLLIERY, Tyne and Wear, NE35 9HP

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

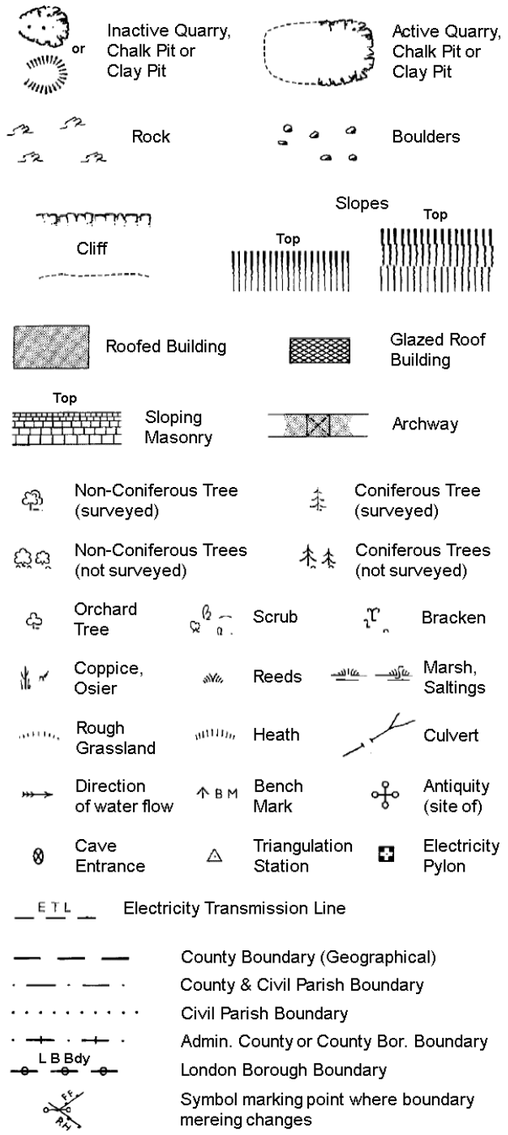
Historical Mapping Legends

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



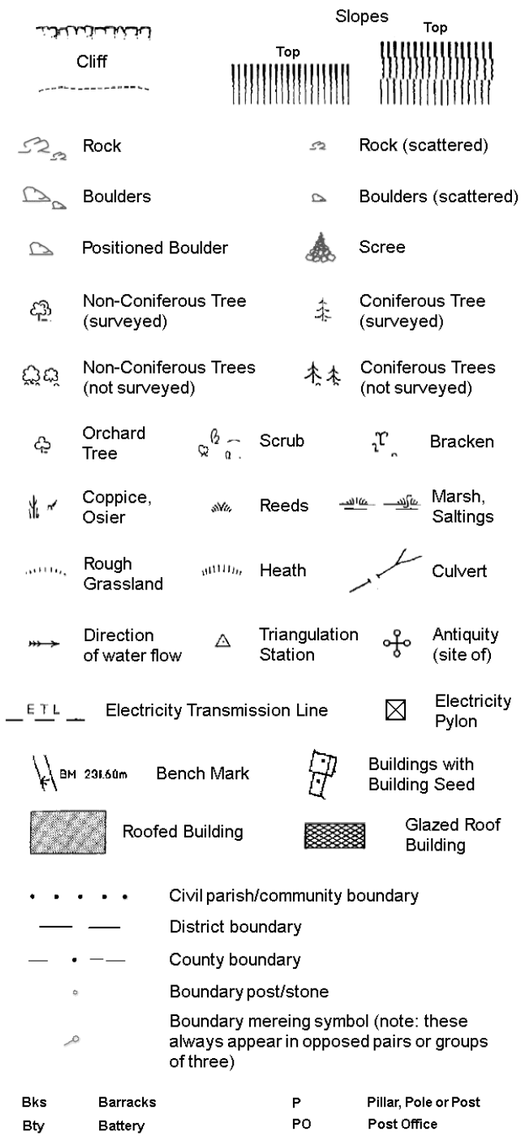
B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

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



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

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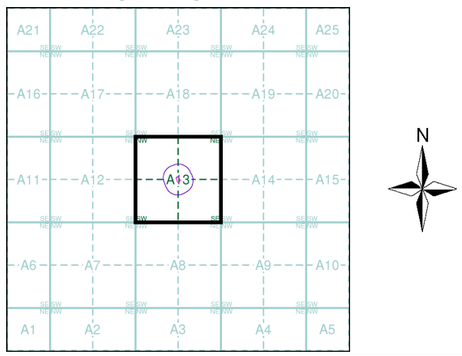
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:2,500	1857 - 1873	2
Durham	1:2,500	1895	3
Durham	1:2,500	1897	4
Durham	1:2,500	1917 - 1919	5
Durham	1:2,500	1939 - 1941	6
Ordnance Survey Plan	1:1,250	1956 - 1957	7
Ordnance Survey Plan	1:2,500	1956 - 1958	8
Ordnance Survey Plan	1:1,250	1967 - 1989	9
Ordnance Survey Plan	1:2,500	1969	10
Supply of Unpublished Survey Information	1:1,250	1974	11
Additional SIMs	1:1,250	1978 - 1991	12
Additional SIMs	1:1,250	1981 - 1991	13
Additional SIMs	1:1,250	1985 - 1991	14
Ordnance Survey Plan	1:1,250	1989	15
Large-Scale National Grid Data	1:1,250	1993	16
Large-Scale National Grid Data	1:1,250	1994 - 1995	17
Large-Scale National Grid Data	1:1,250	1994	18
Large-Scale National Grid Data	1:1,250	1996	19
Large-Scale National Grid Data	1:1,250	1996	20

Historical Map - Segment A13



Order Details

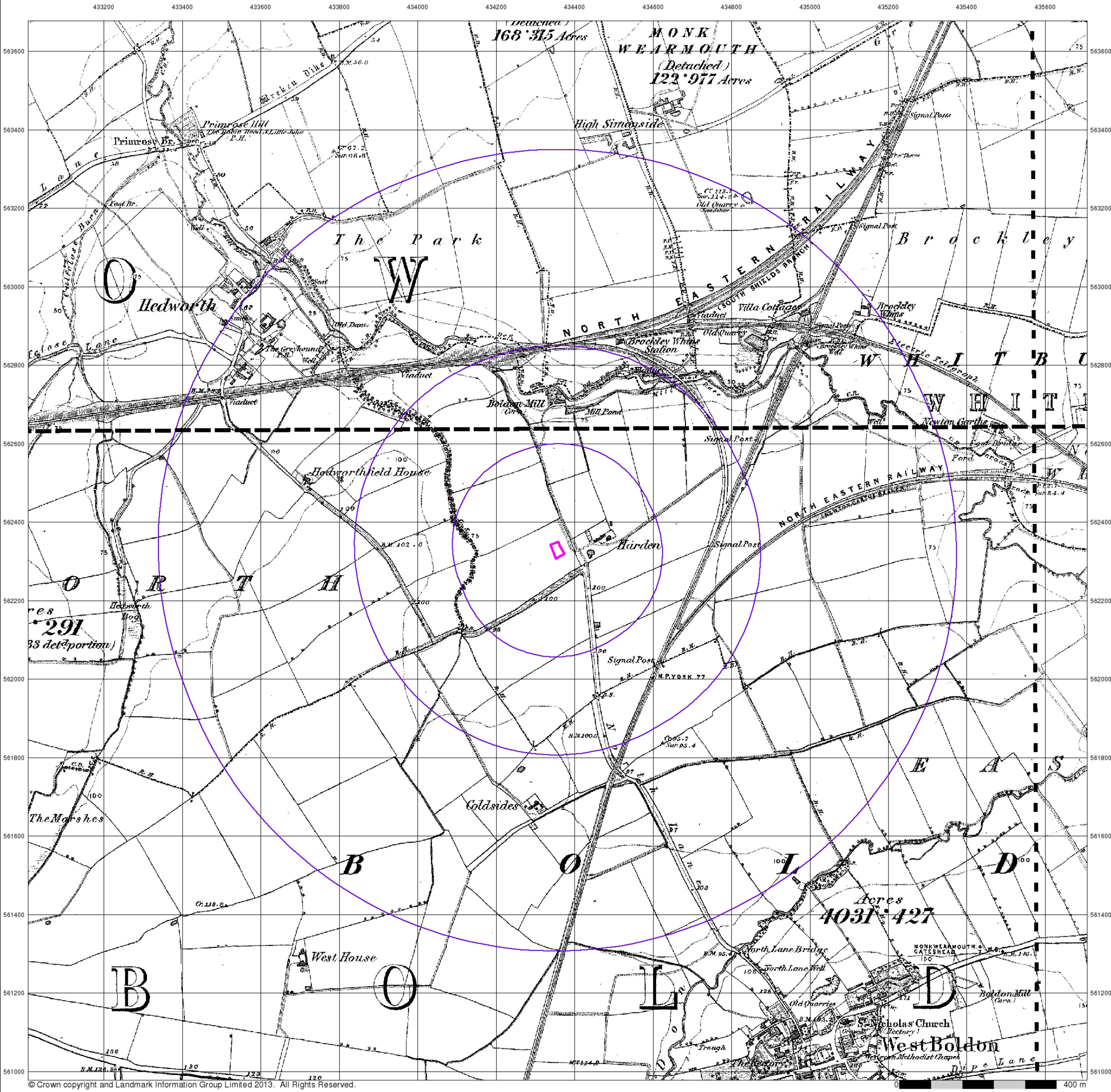
Order Number:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	100

Site Details

Boldon Colliery Working Mens Club, Station Road, BOLDON COLLIERY, Tyne and Wear, NE35 9HP

Landmark® Information Group

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



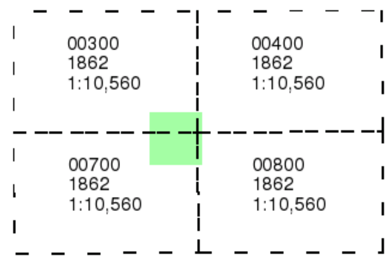
Durham

Published 1862

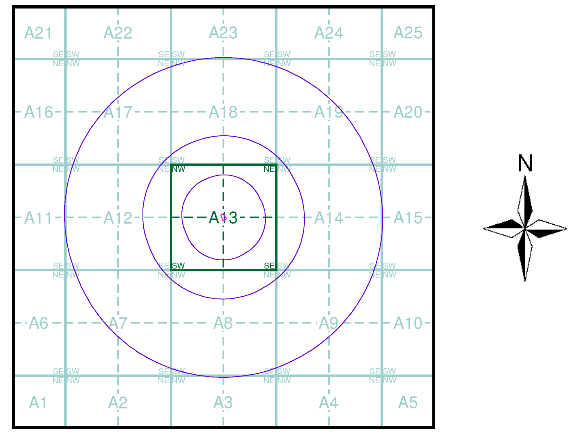
Source map scale - 1:10,560

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)



Historical Map - Slice A



Order Details

Order Number: 56319685_1_1
Customer Ref: 14-234
National Grid Reference: 434360, 562330
Slice: A
Site Area (Ha): 0.09
Search Buffer (m): 1000

Site Details

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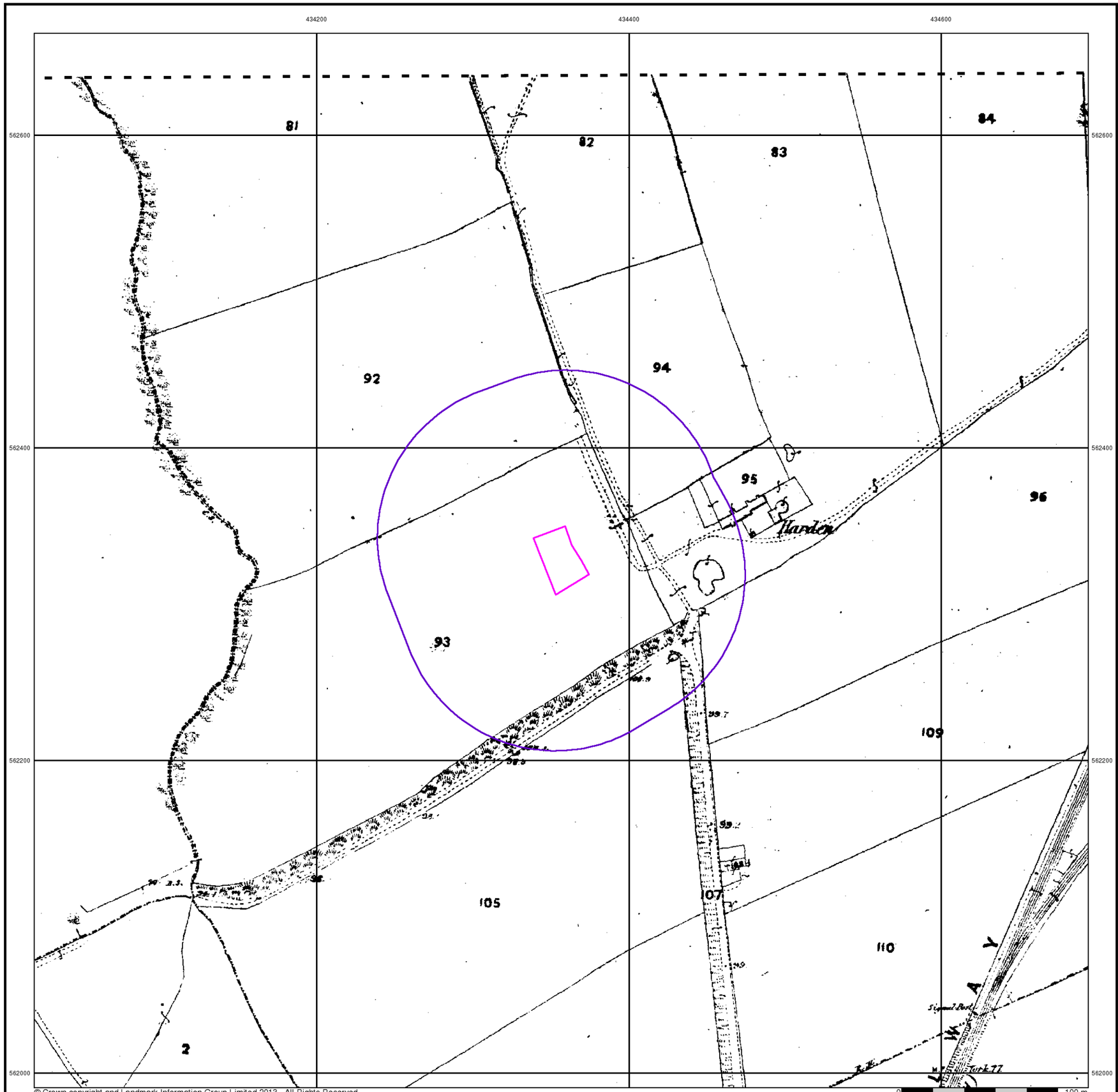


arc environmental

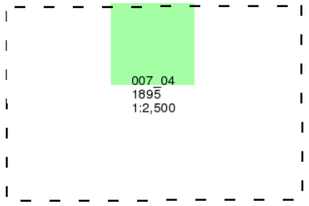
Durham

Published 1895

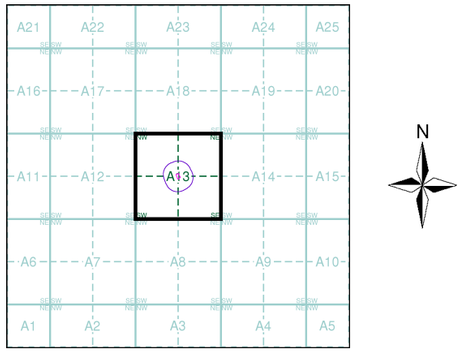
Source map scale - 1:2,500

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:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	100

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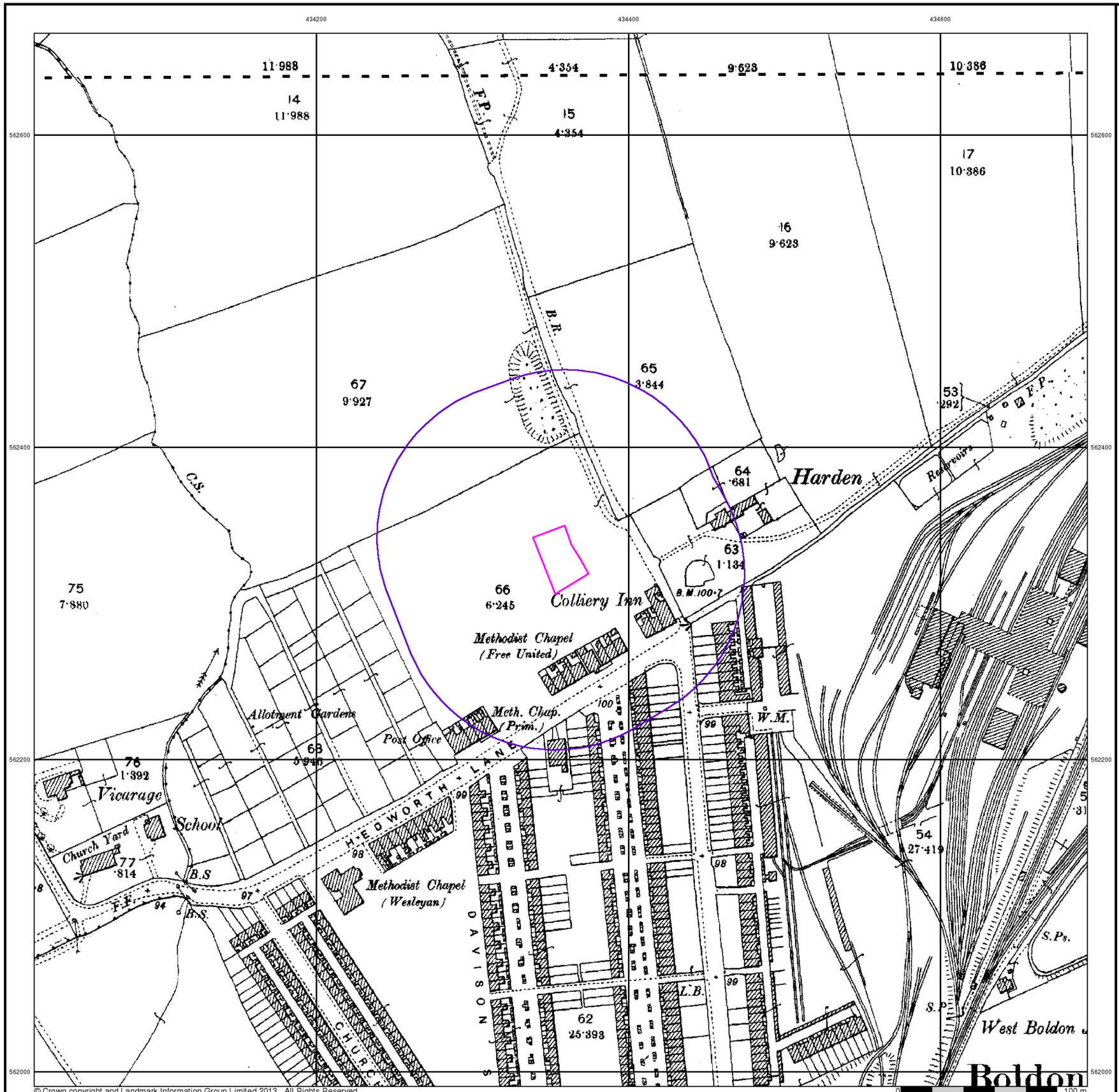


arc environmental

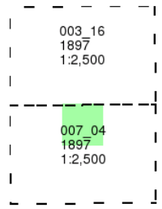
Durham

Published 1897

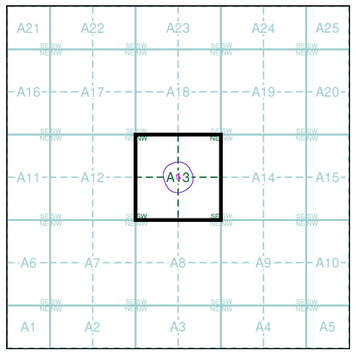
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
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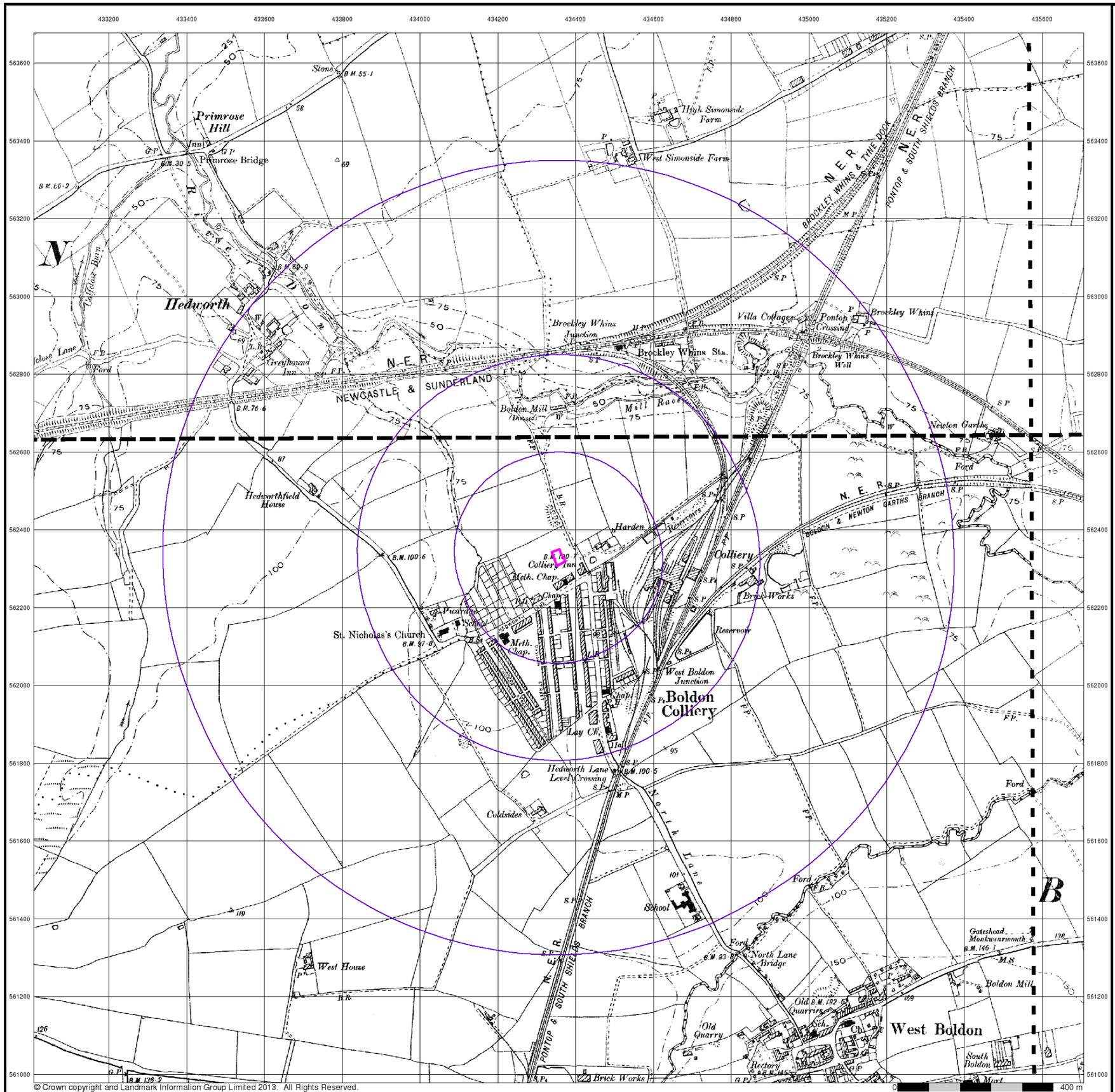


Durham

Published 1898

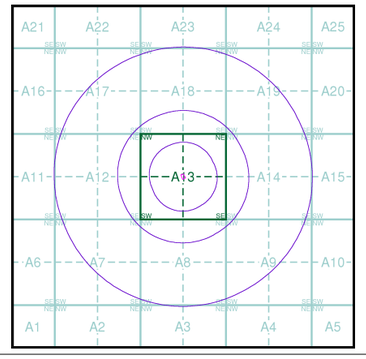
Source map scale - 1:10,560

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:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
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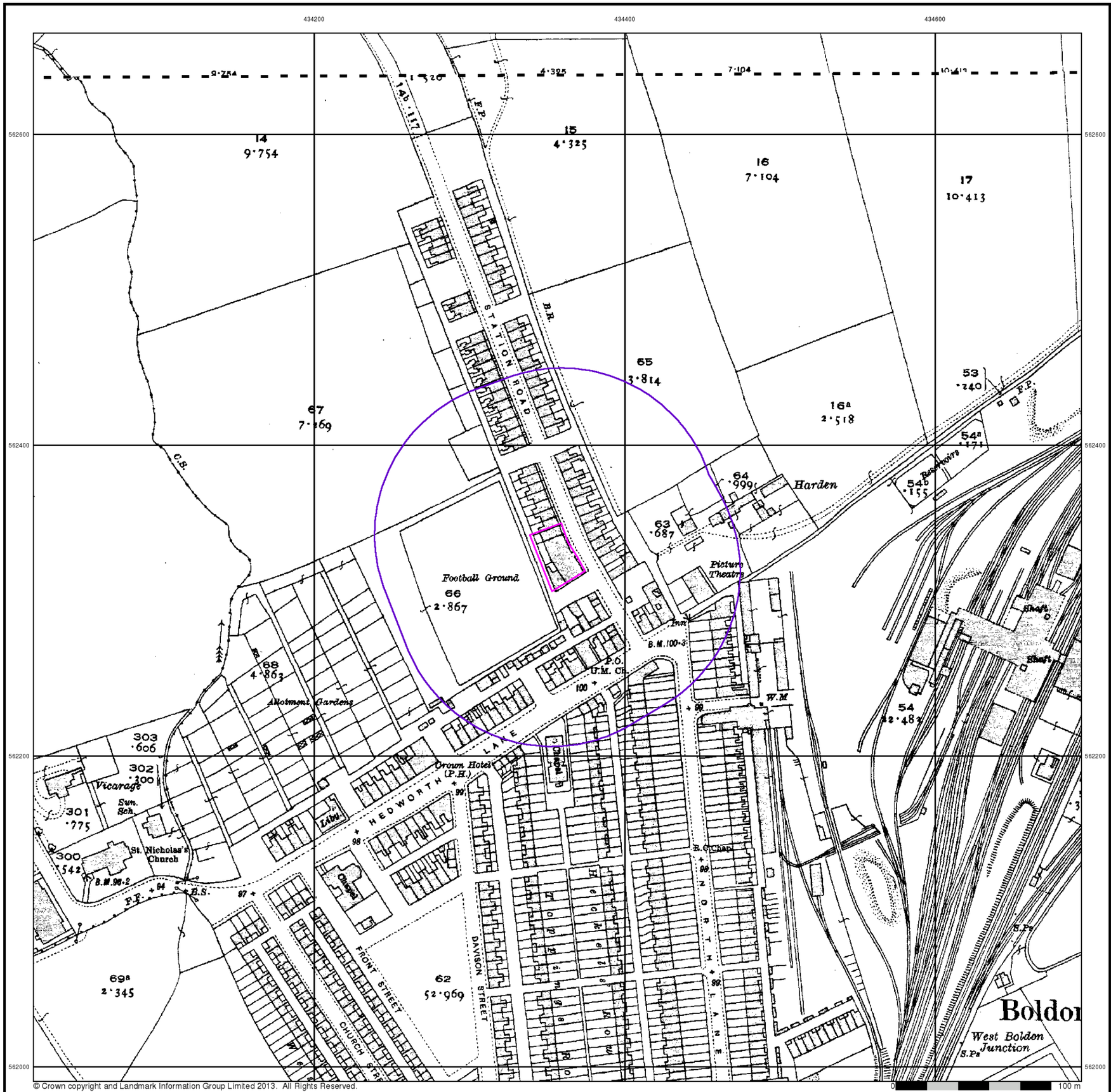


arc environmental

Durham

Published 1917 - 1919

Source map scale - 1:2,500

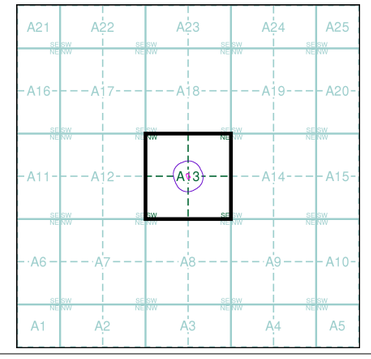
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

003_16
1917
1:2,500

007_04
1919
1:2,500

Historical Map - Segment A13



Order Details

Order Number:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
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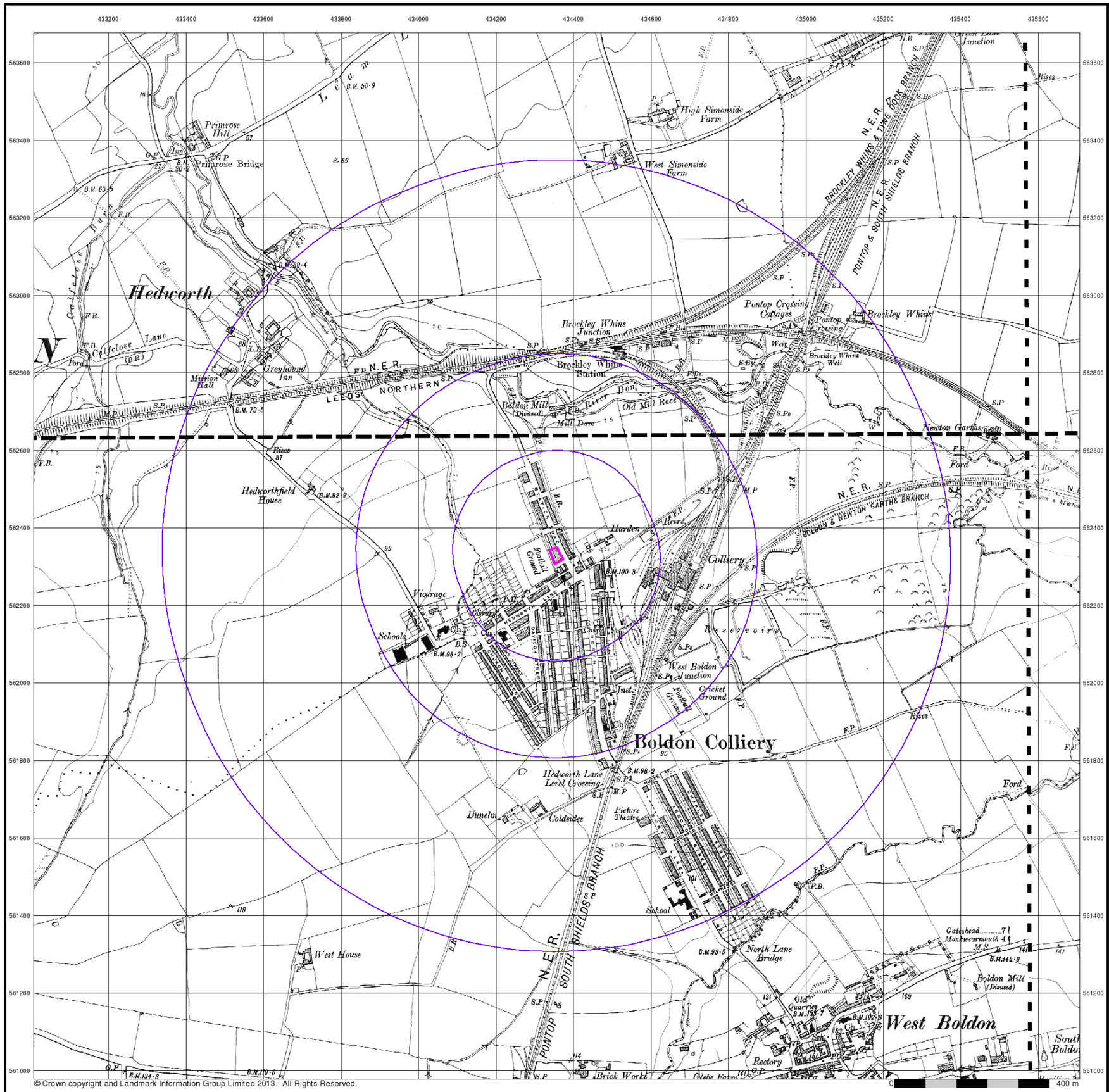


arc environmental

Durham

Published 1921

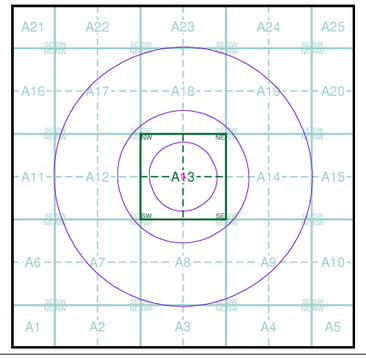
Source map scale - 1:10,560

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:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
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Tel: 0844 844 9952
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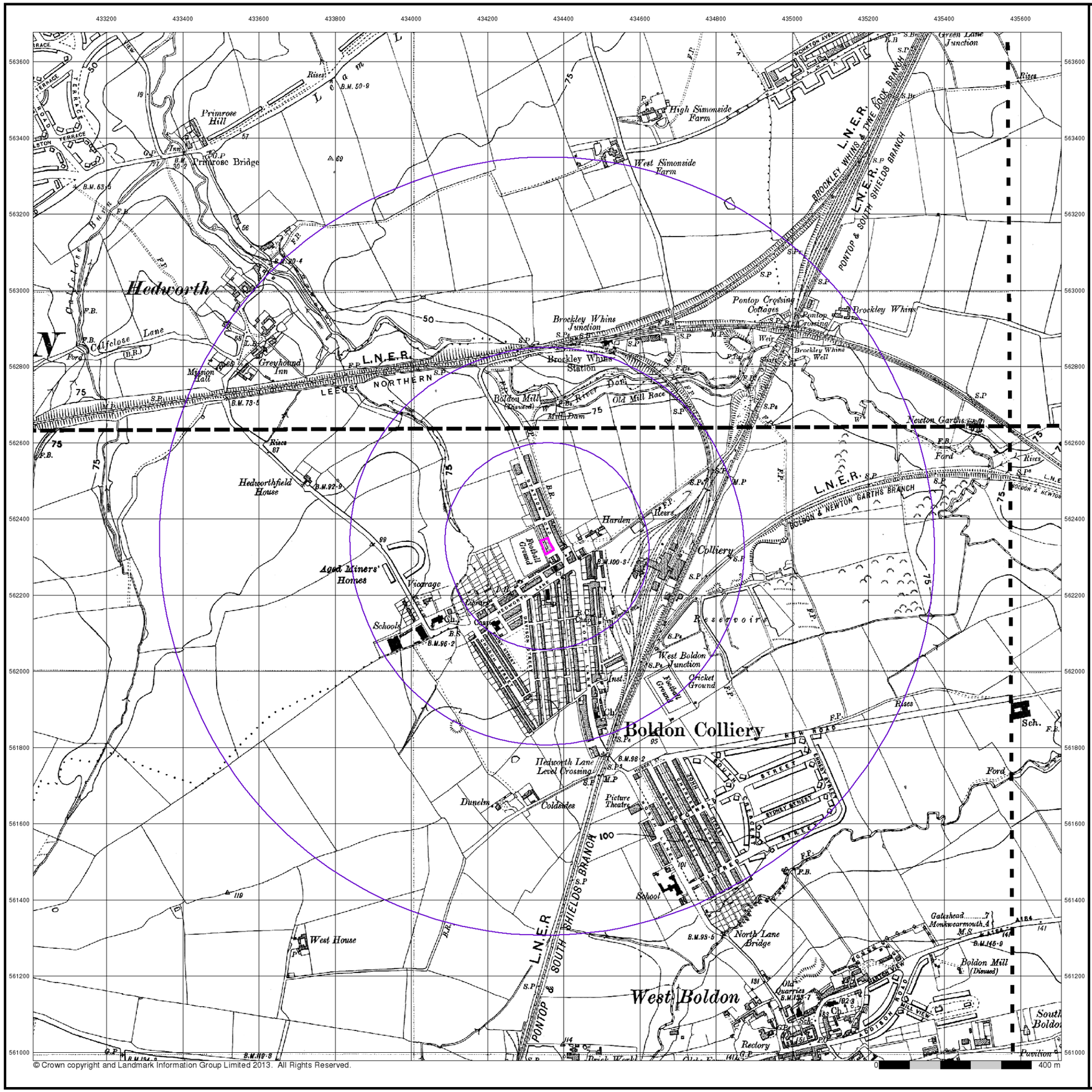


Durham

Published 1938

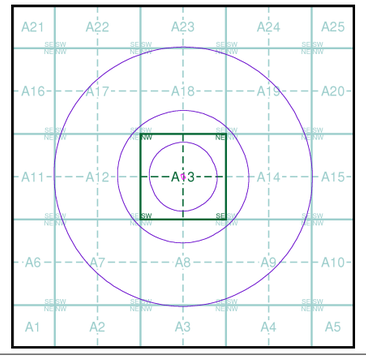
Source map scale - 1:10,560

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:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
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Site Details

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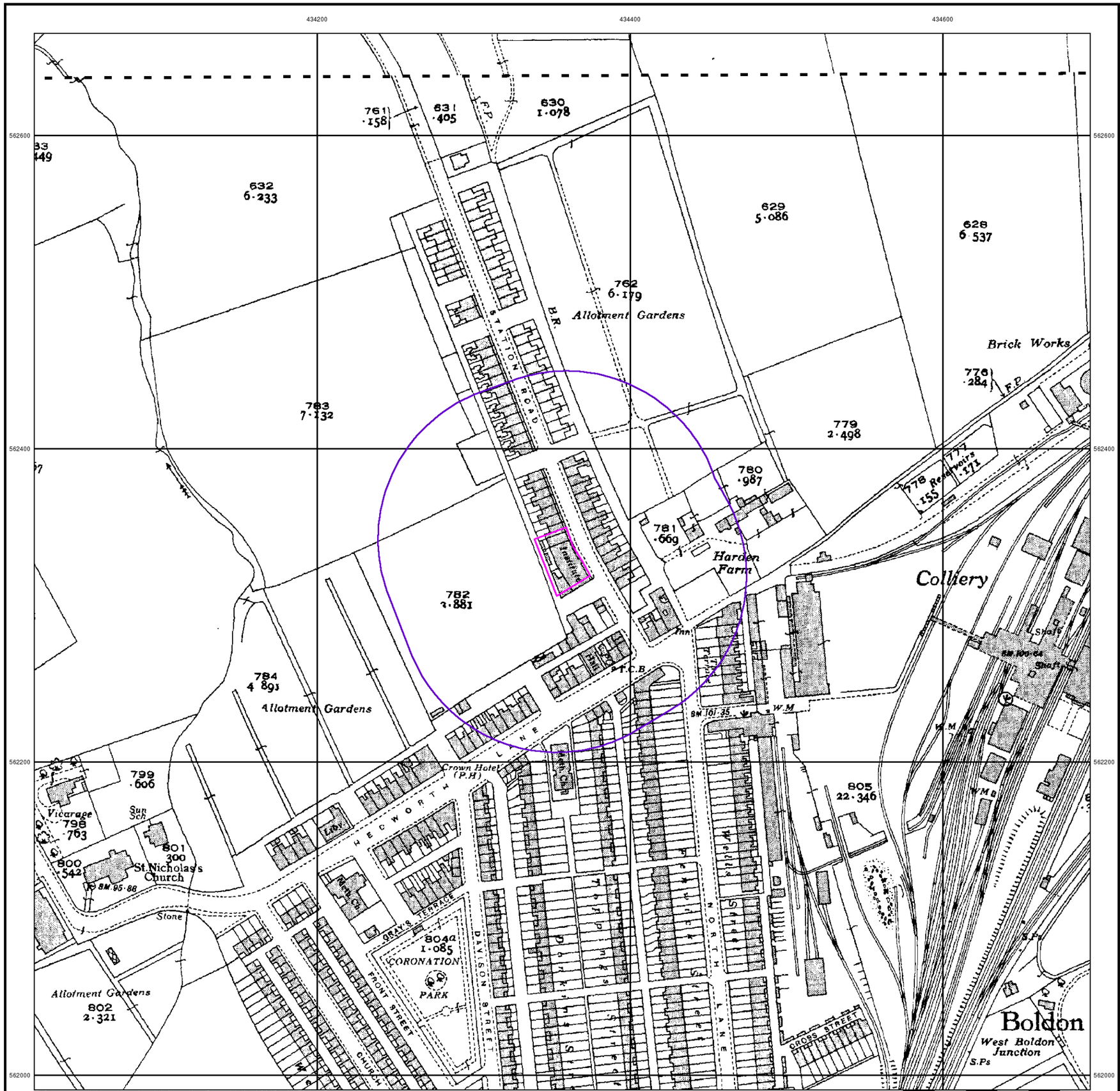


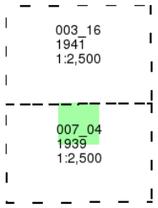
Durham

Published 1939 - 1941

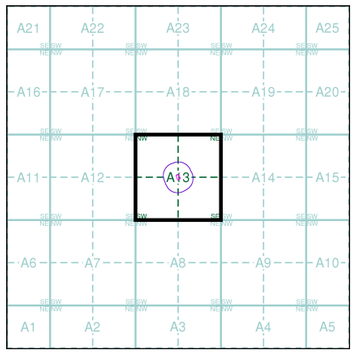
Source map scale - 1:2,500

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:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
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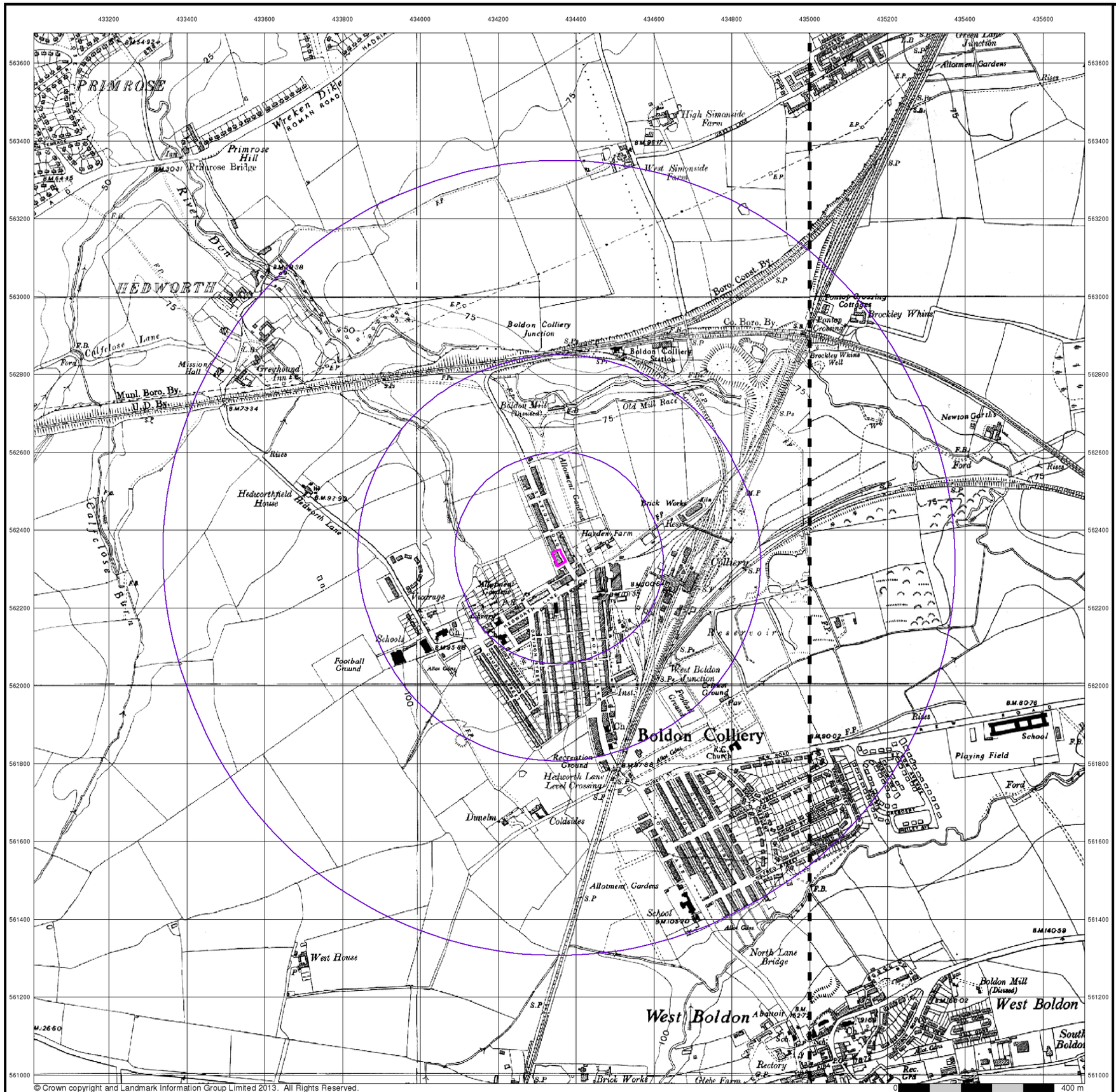


arc environmental

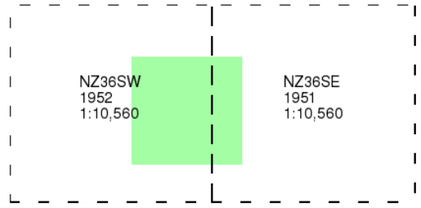
Ordnance Survey Plan

Published 1951 - 1952

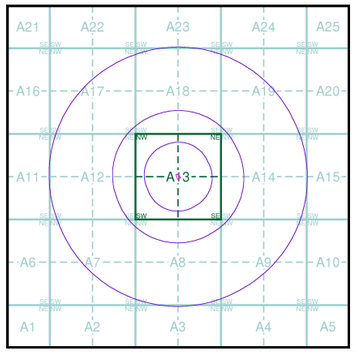
Source map scale - 1:10,000

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:	56319685_1_1
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National Grid Reference:	434360, 562330
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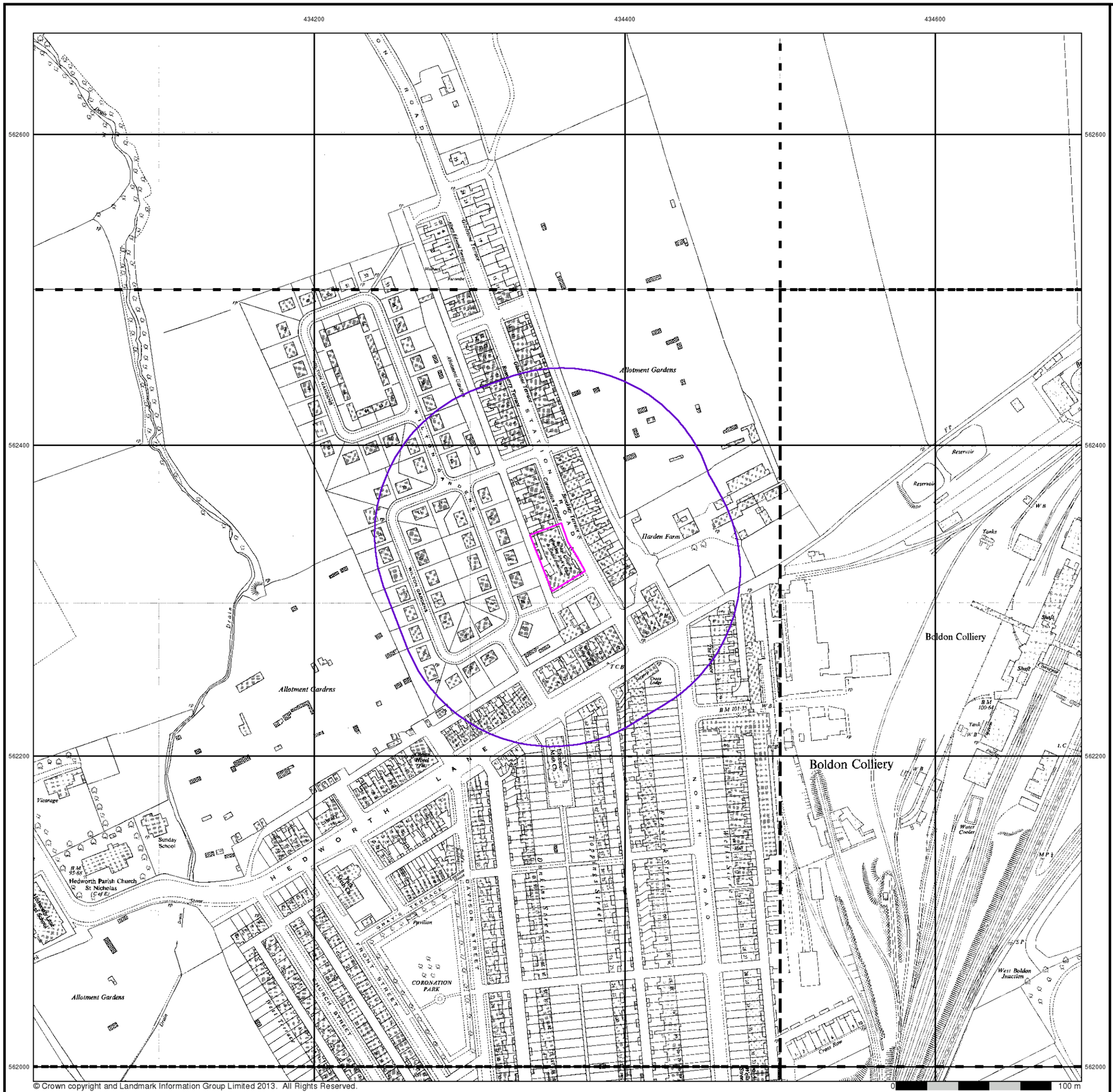


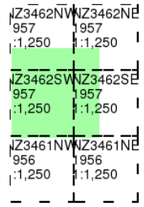
Ordnance Survey Plan

Published 1956 - 1957

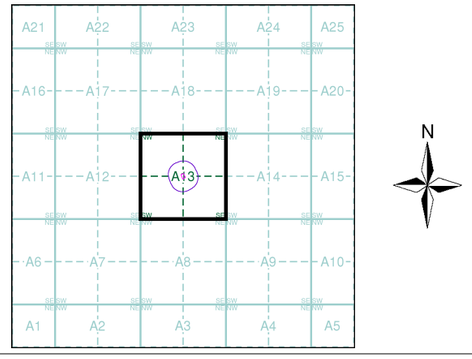
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	56319685_1_1
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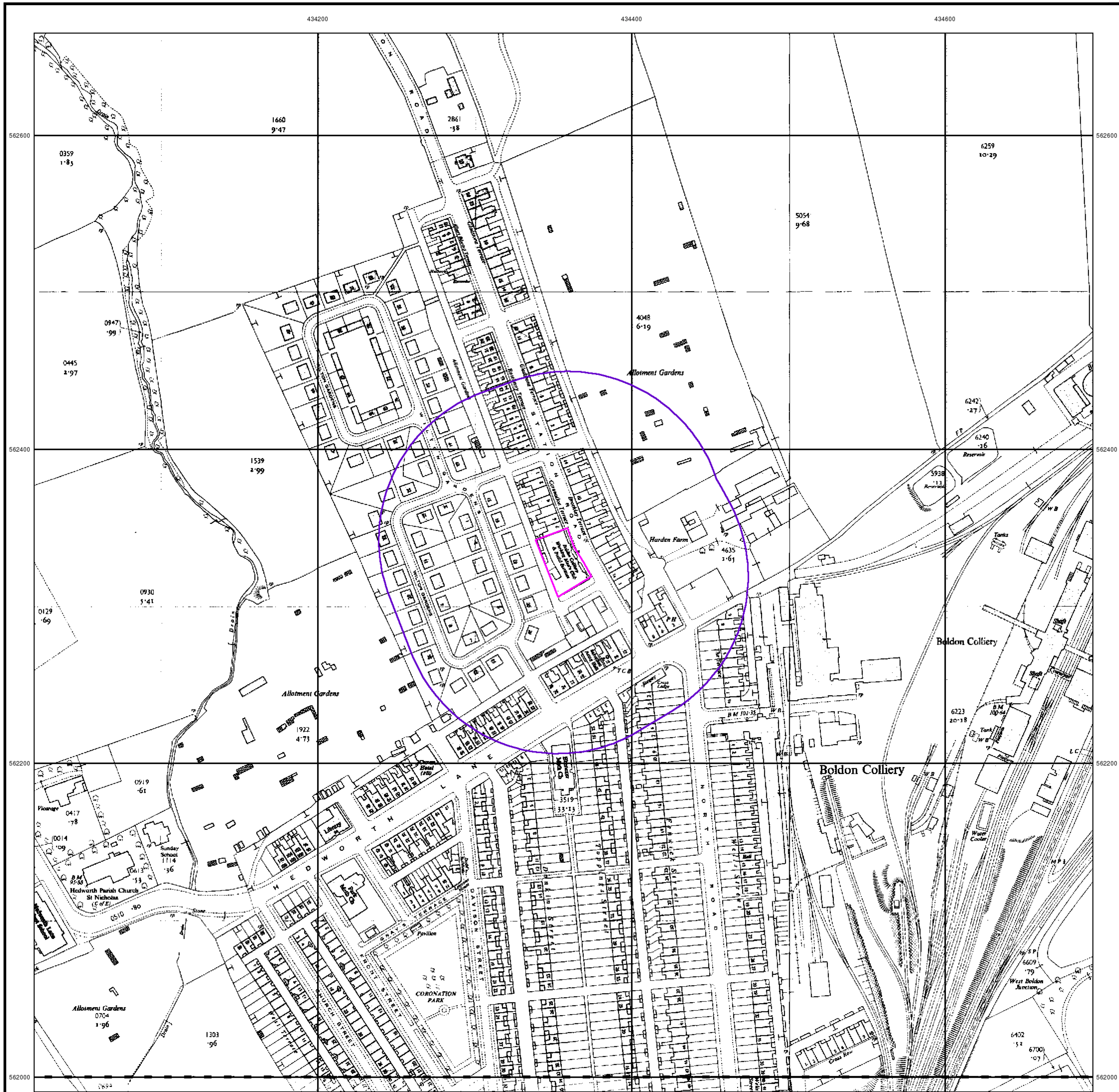


0 100 m

arc environmental

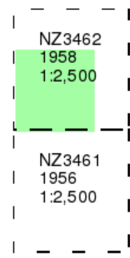
Ordnance Survey Plan

Published 1956 - 1958

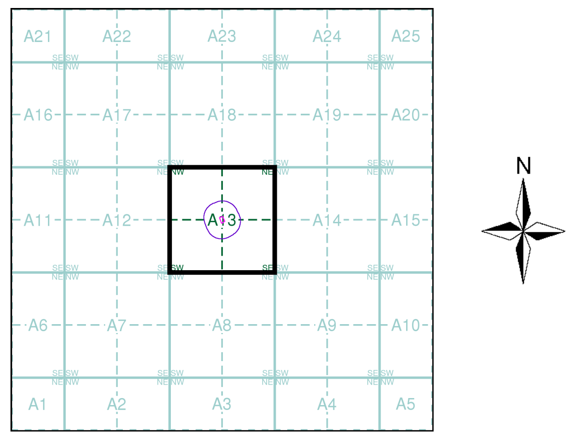
Source map scale - 1:2,500

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)



Historical Map - Segment A13



Order Details

Order Number: 56319685_1_1
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Slice: A
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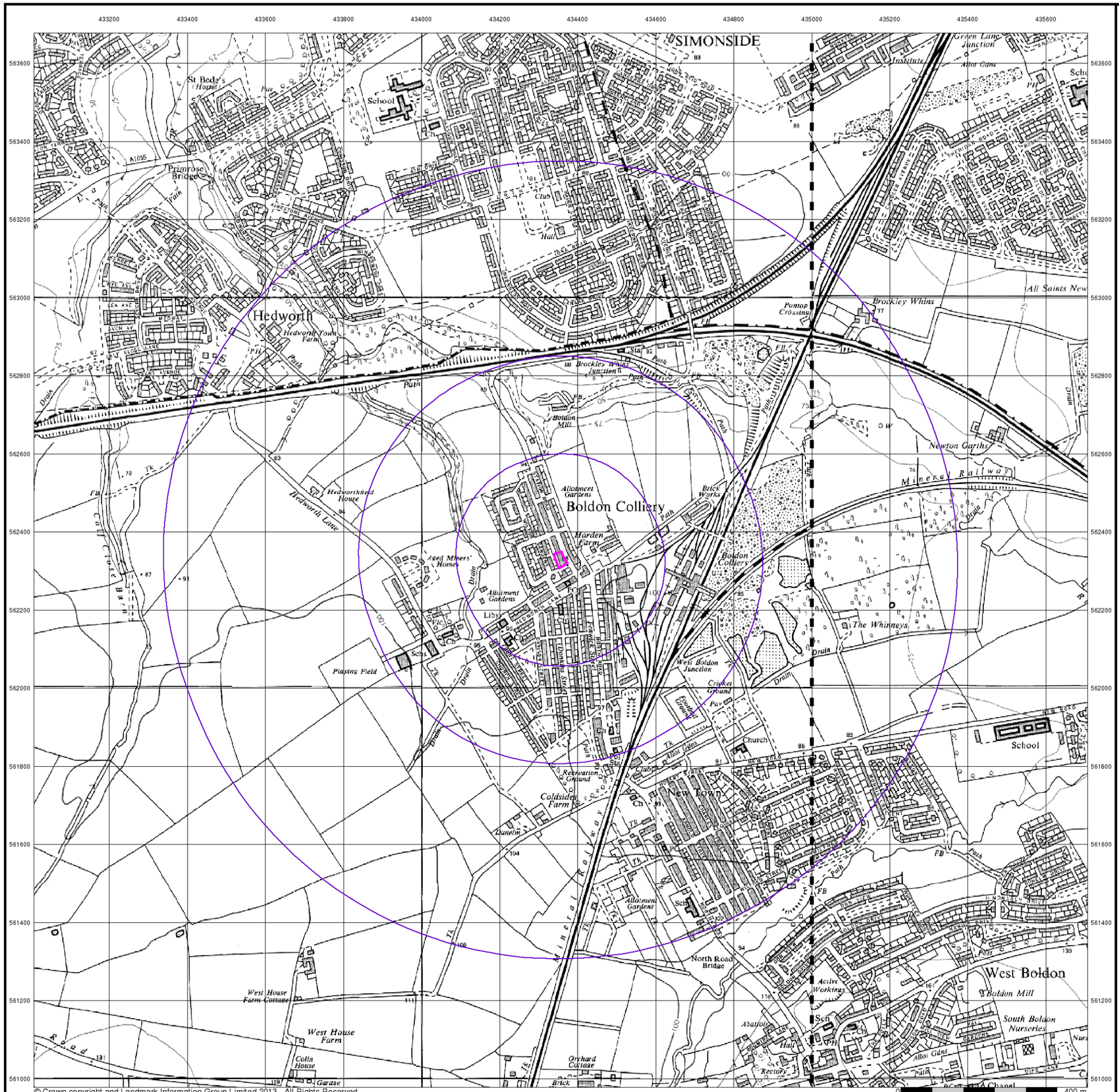


arc environmental

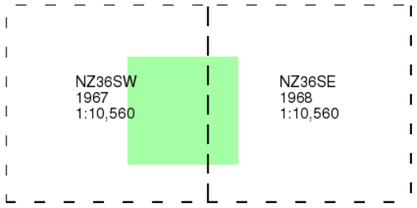
Ordnance Survey Plan

Published 1967 - 1968

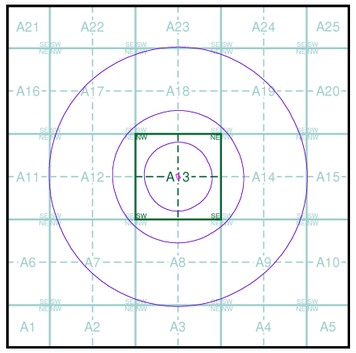
Source map scale - 1:10,000

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)



Historical Map - Slice A



Order Details

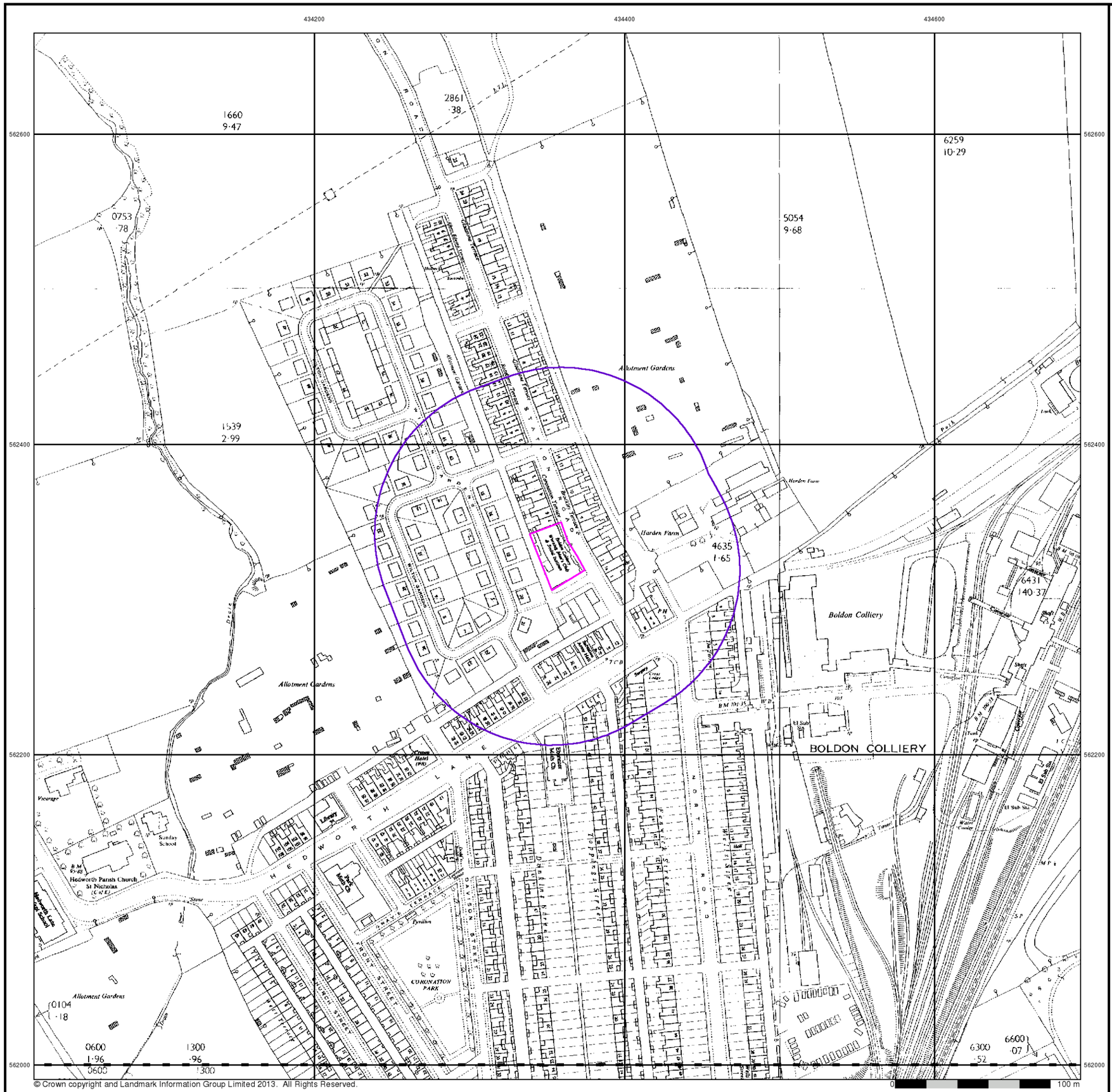
Order Number:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

Boldon Colliery Working Mens Club, Station Road, BOLDON COLLIERY, Tyne and Wear, NE35 9HP

Landmark Information Group

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



Ordnance Survey Plan

Published 1969

Source map scale - 1:2,500

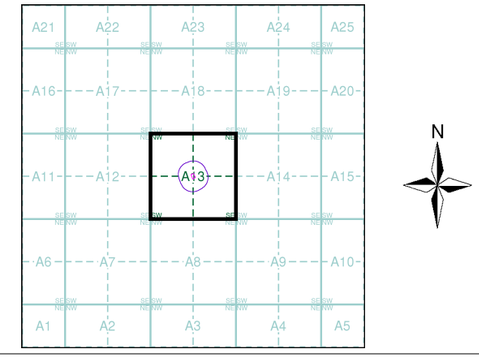
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

NZ3462
1969
1:2,500

NZ3461
1969
1:2,500

Historical Map - Segment A13



Order Details

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Search Buffer (m):	100

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arc environmental

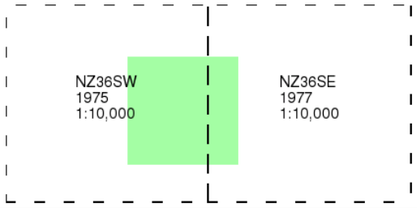
Ordnance Survey Plan

Published 1975 - 1977

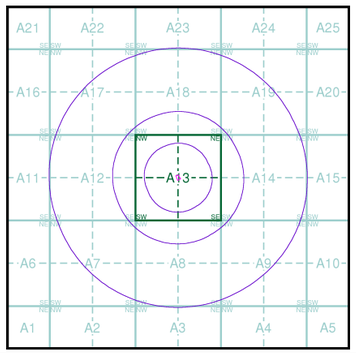
Source map scale - 1:10,000

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

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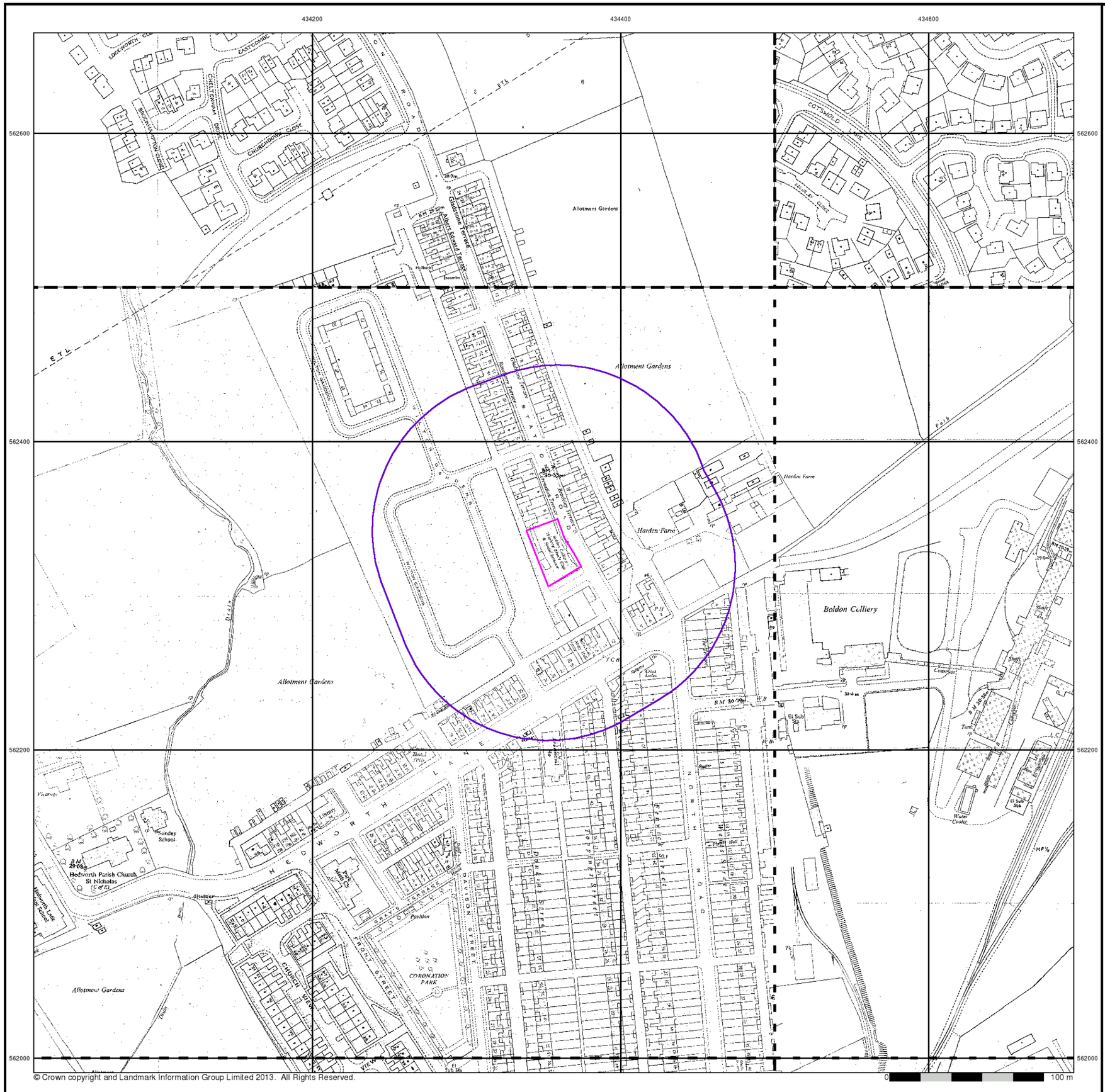


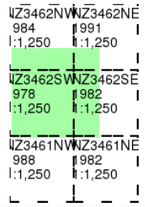
Additional SIMs

Published 1978 - 1991

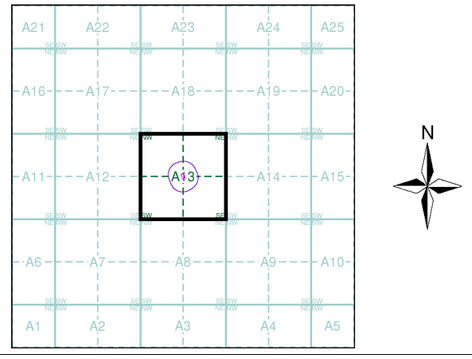
Source map scale - 1:1,250

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)



Historical Map - Segment A13



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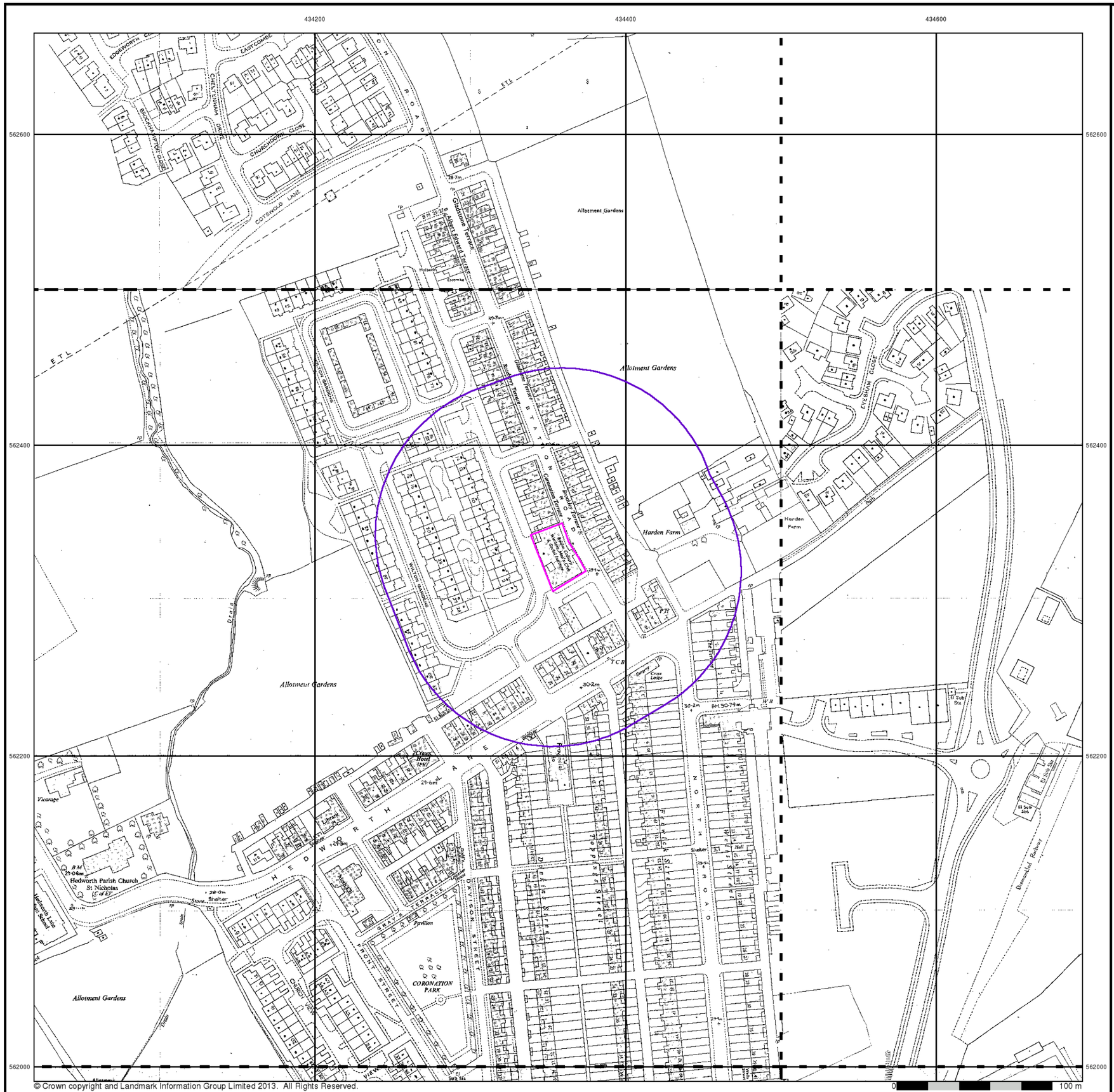


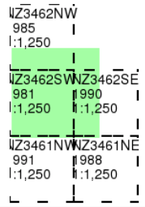
Additional SIMs

Published 1981 - 1991

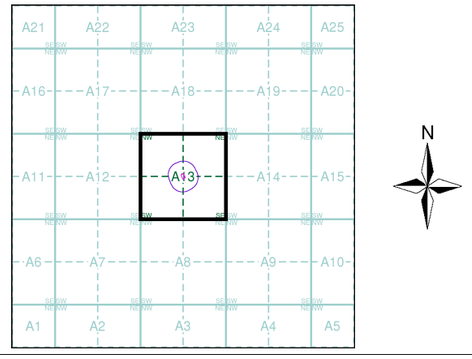
Source map scale - 1:1,250

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)



Historical Map - Segment A13



Order Details

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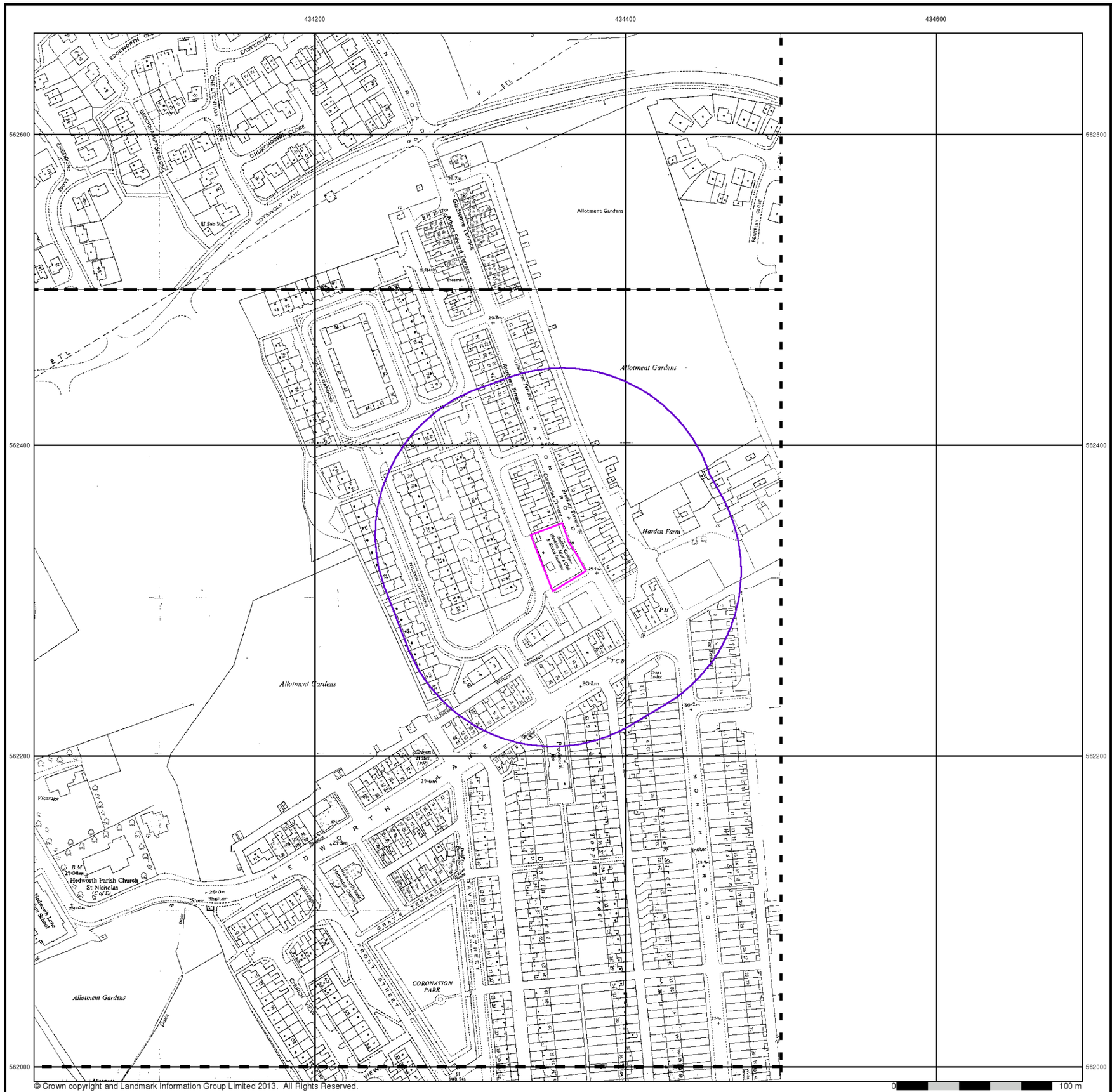


0 100 m

Additional SIMs

Published 1985 - 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.

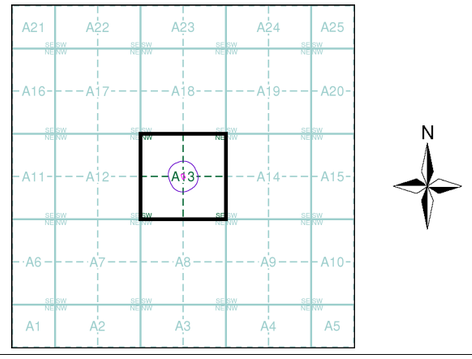
Map Name(s) and Date(s)

NZ3462NW 988 1:1,250

NZ3462SW 985 1:1,250

NZ3461NW 991 1:1,250

Historical Map - Segment A13



Order Details

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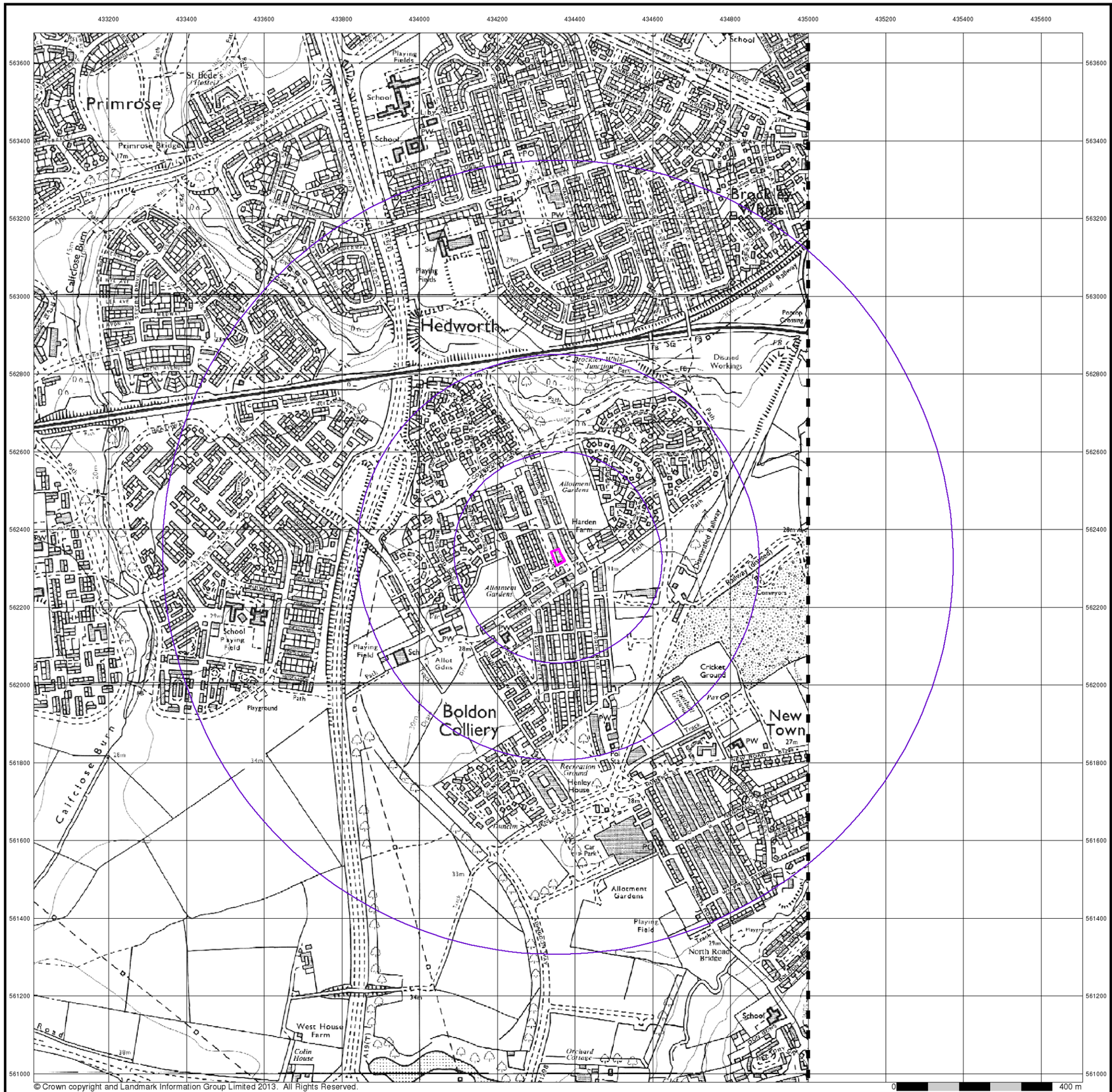

arc environmental

Ordnance Survey Plan

Published 1992

Source map scale - 1:10,000

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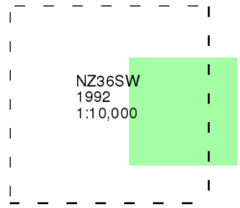
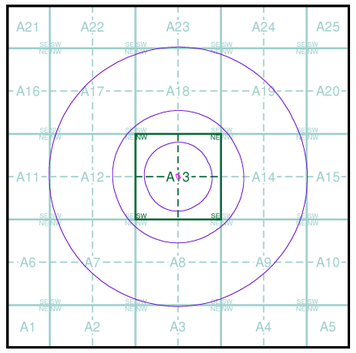
Map Name(s) and Date(s)



Historical Map - Slice A



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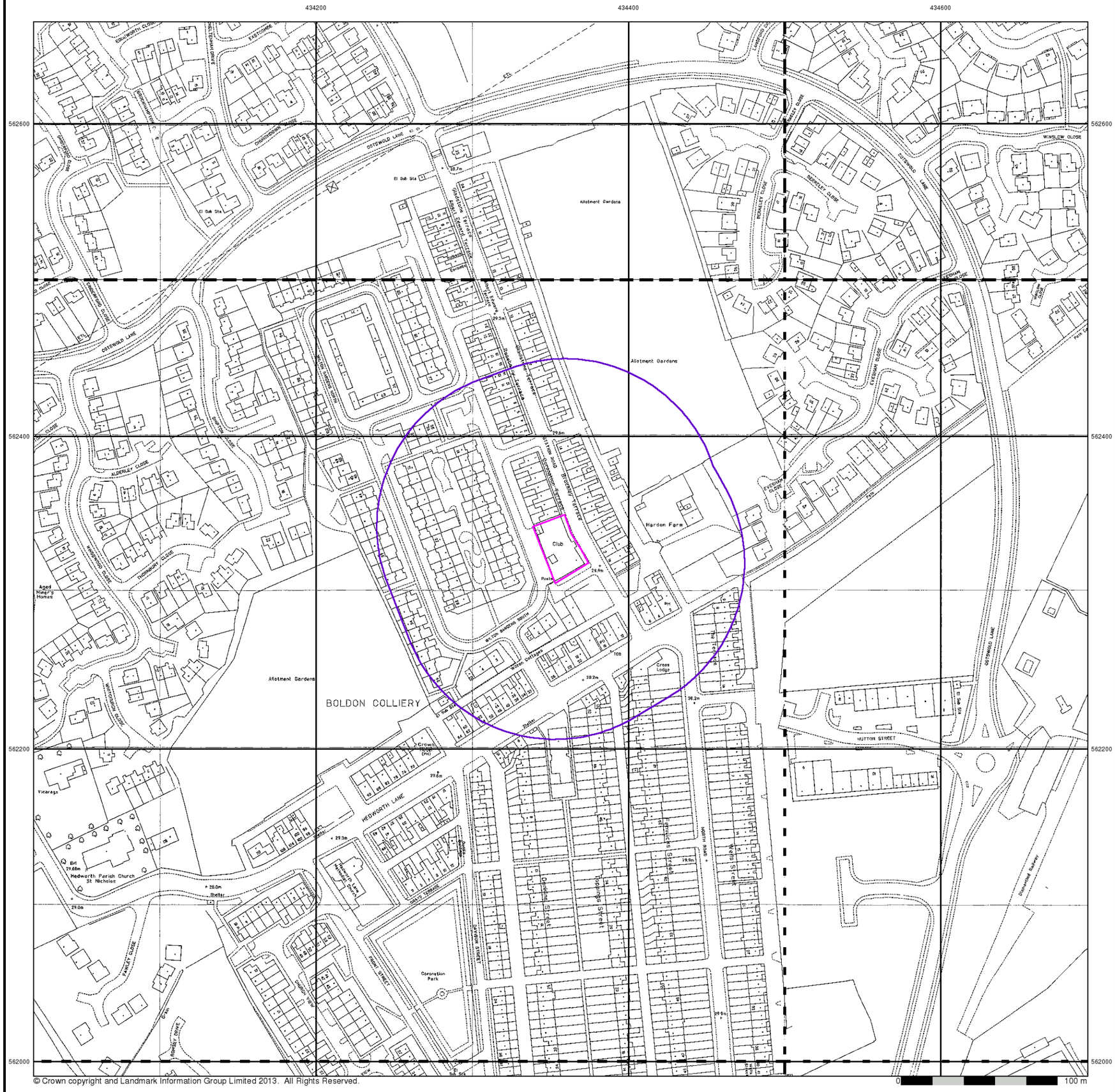


arc environmental

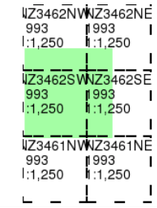
Large-Scale National Grid Data

Published 1993

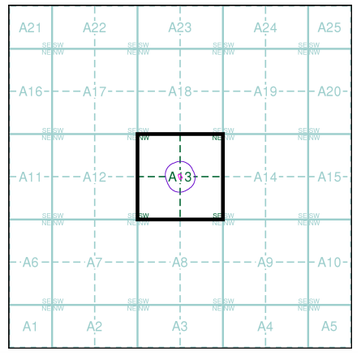
Source map scale - 1:1,250

'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)



Historical Map - Segment A13



Order Details

Order Number:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	100

Site Details

Boldon Colliery Working Mens Club, Station Road, BOLDON COLLIERY, Tyne and Wear, NE35 9HP

Landmark Information Group

Tel: 0844 844 9952
Fax: 0844 844 9951
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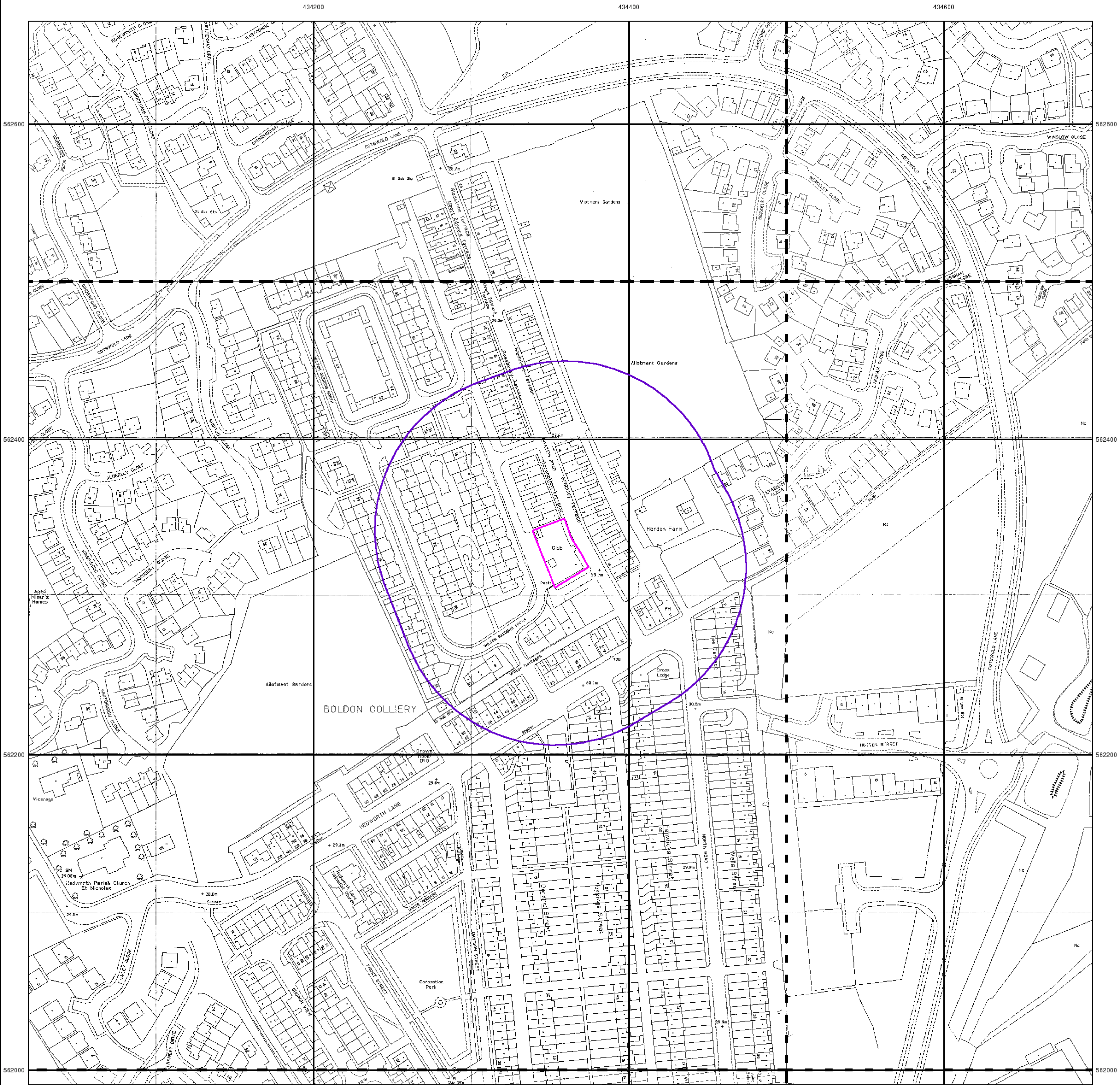


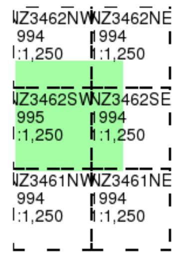
Large-Scale National Grid Data

Published 1994 - 1995

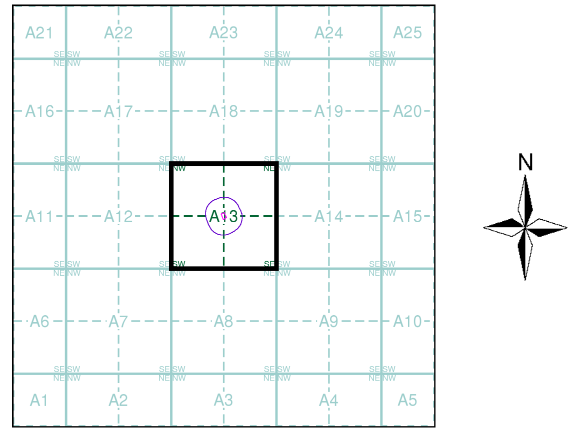
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 56319685_1_1
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Site Details

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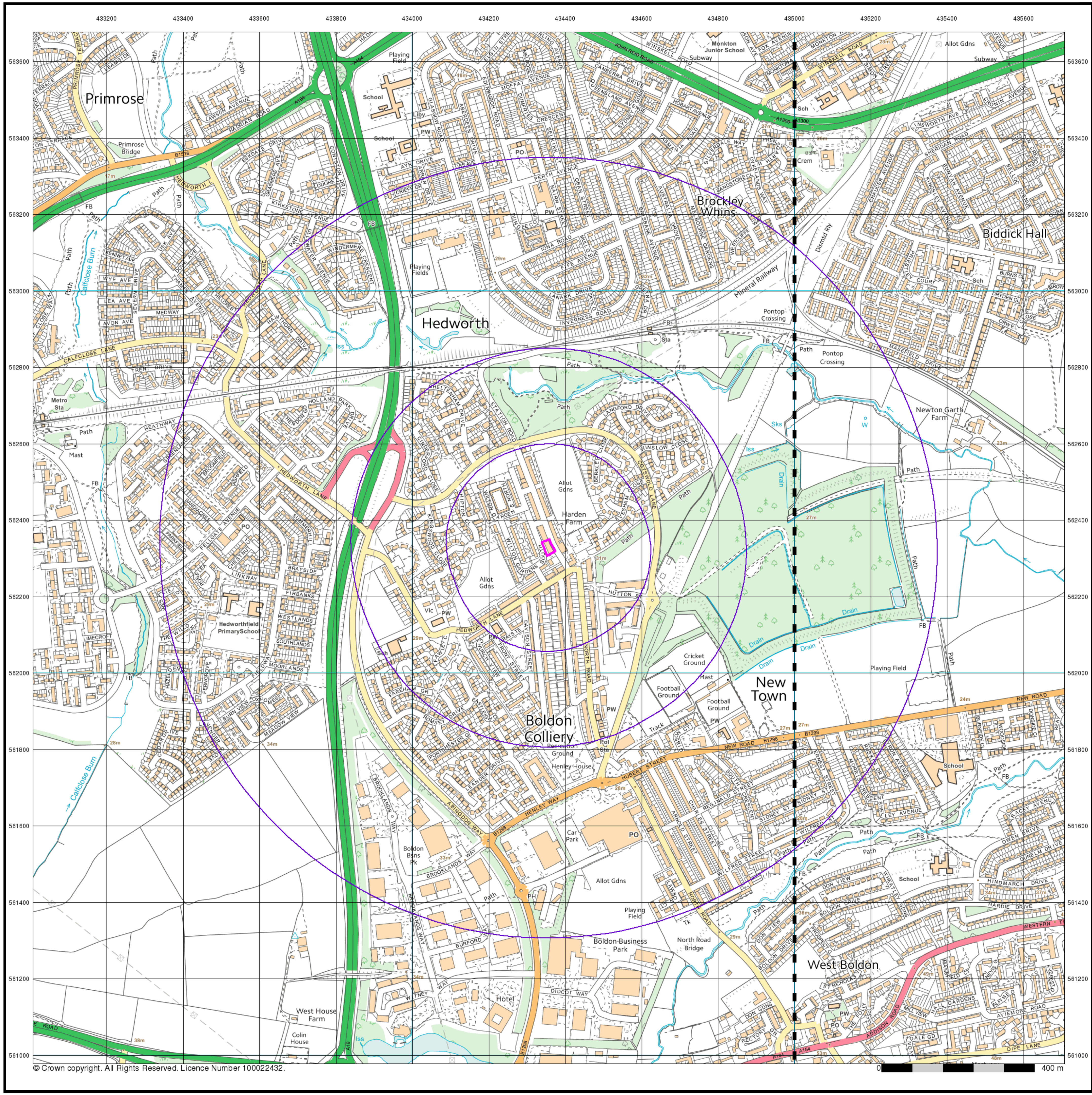


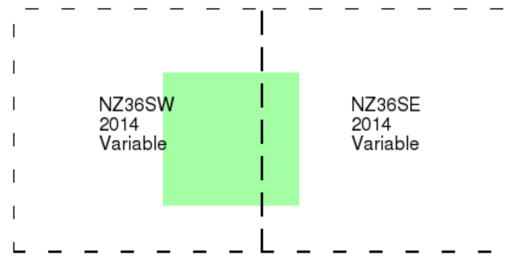
VectorMap Local

Published 2014

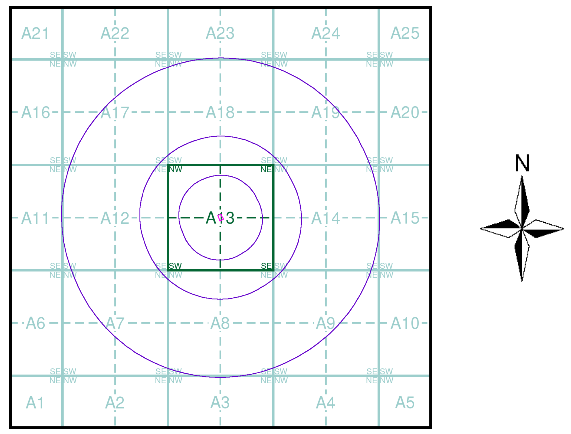
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



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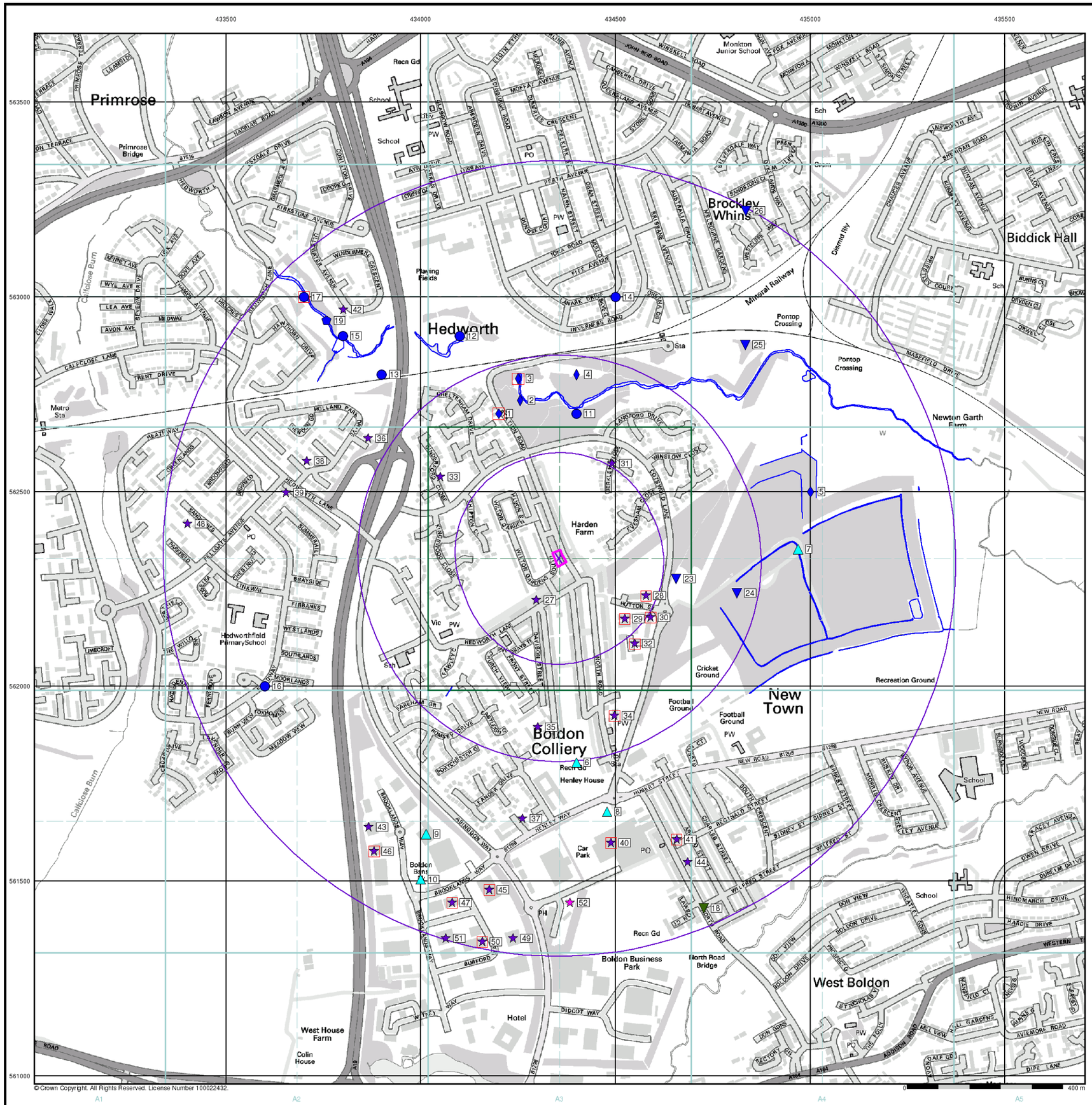


General

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

Agency and Hydrological

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

Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

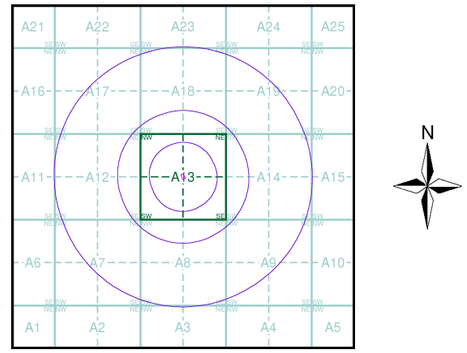
Waste

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

Hazardous Substances

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

Site Sensitivity Map - Slice A



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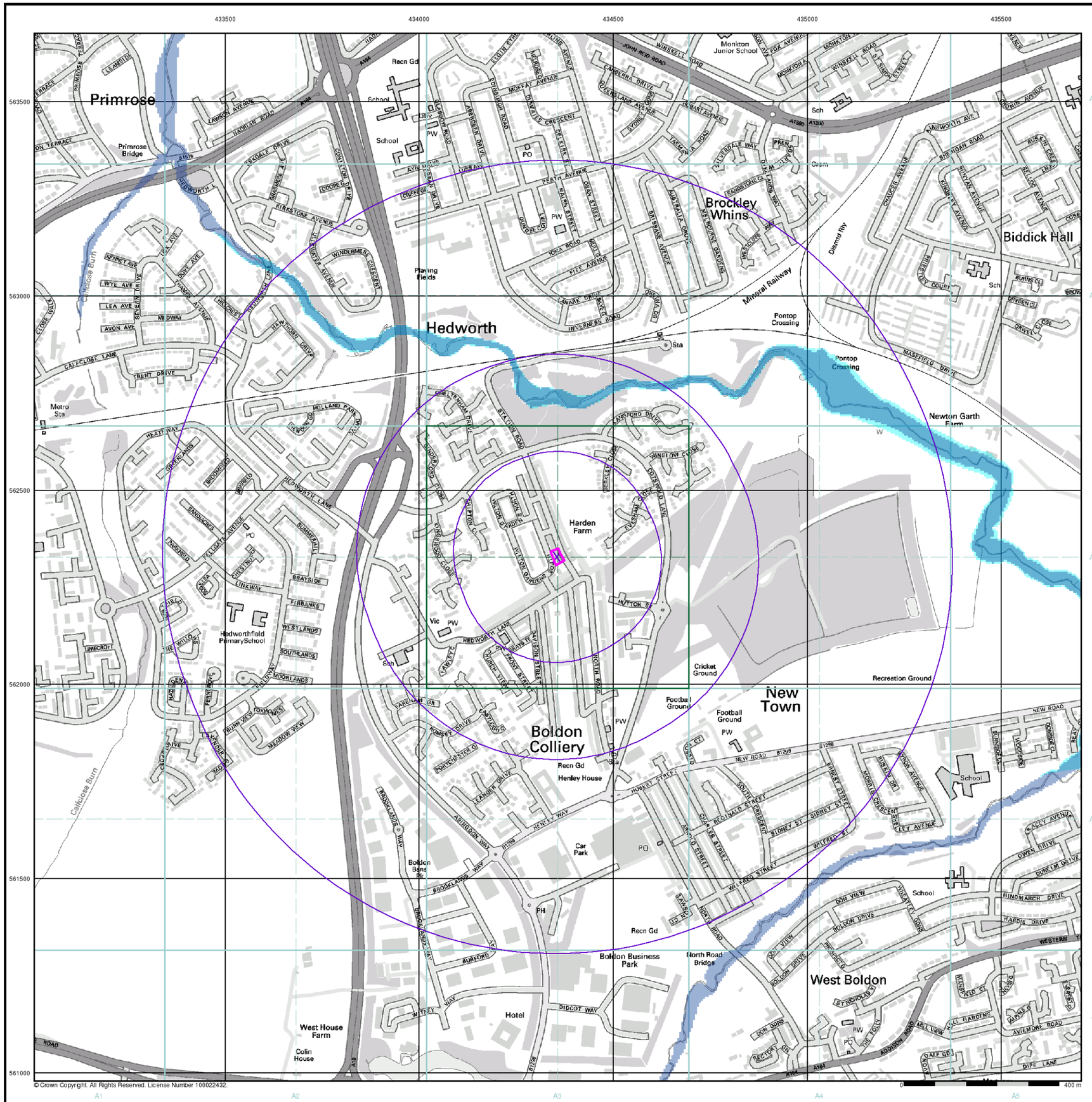


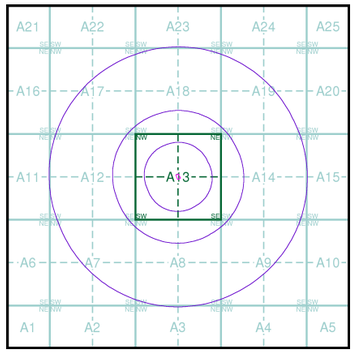
General

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

Agency and Hydrological (Flood)

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

Flood Map - Slice A



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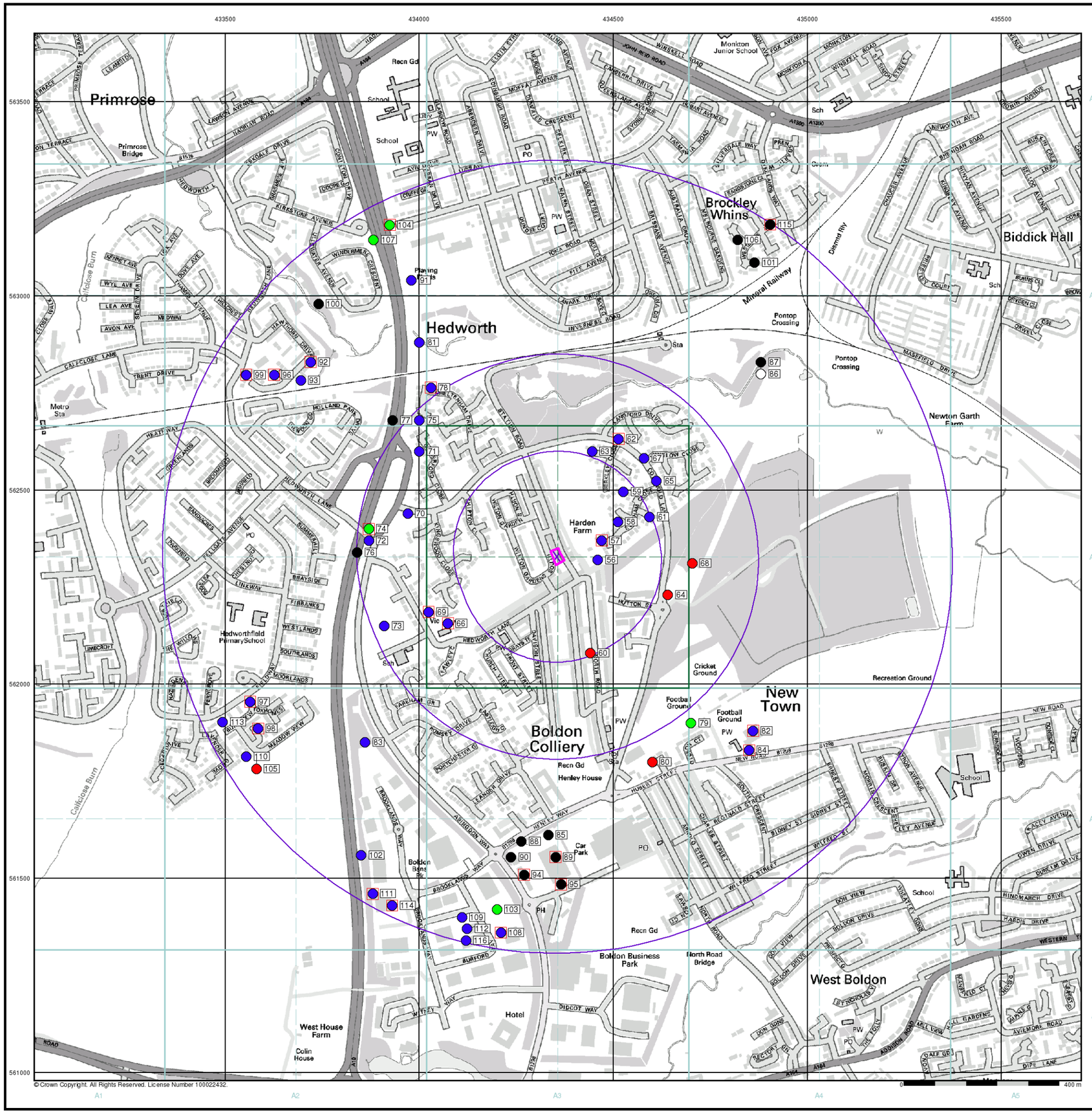


General

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

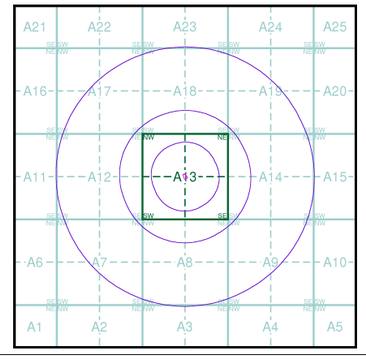
Agency and Hydrological (Boreholes)

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

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

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

Borehole Map - Slice A



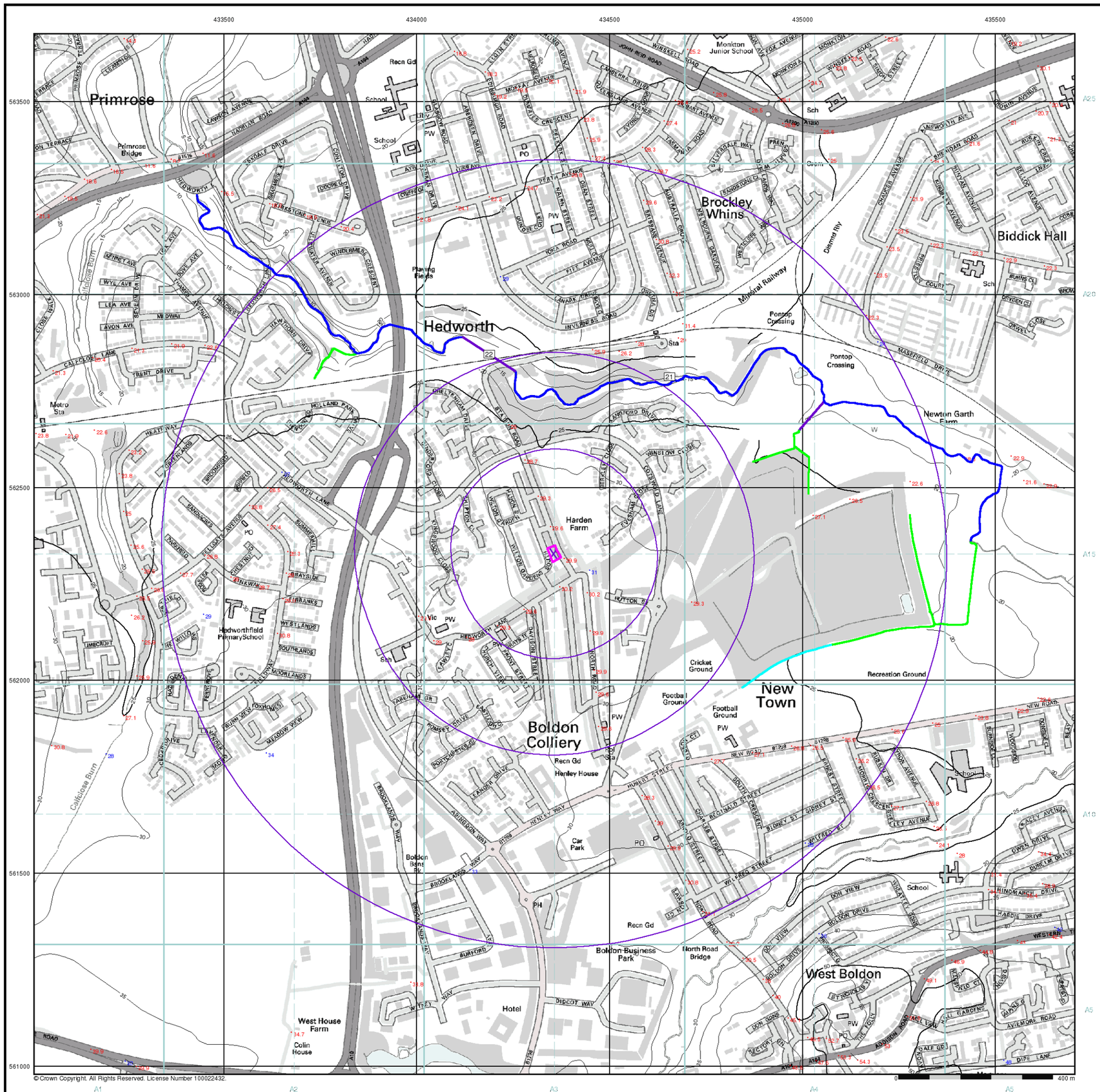
Order Details

Order Number:	56319685_1_1
Customer Ref:	14-234
National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

Boldon Colliery Working Mens Club, Station Road, BOLDON COLLIERY, Tyne and Wear, NE35 9HP

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



General

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

EA 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)

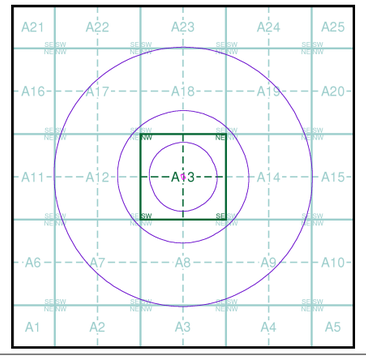
Standard Contour 105 100 95

Index Contour

167.3 Spot Height

45.8 Air Height

EA Detailed River Network Map - Slice A



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General

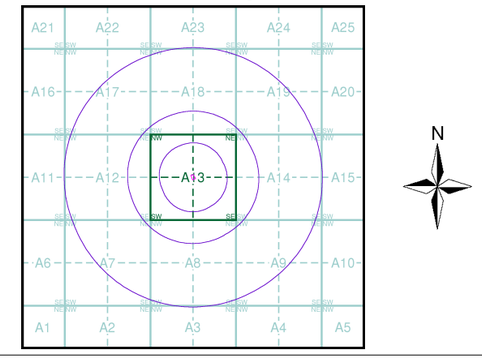
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



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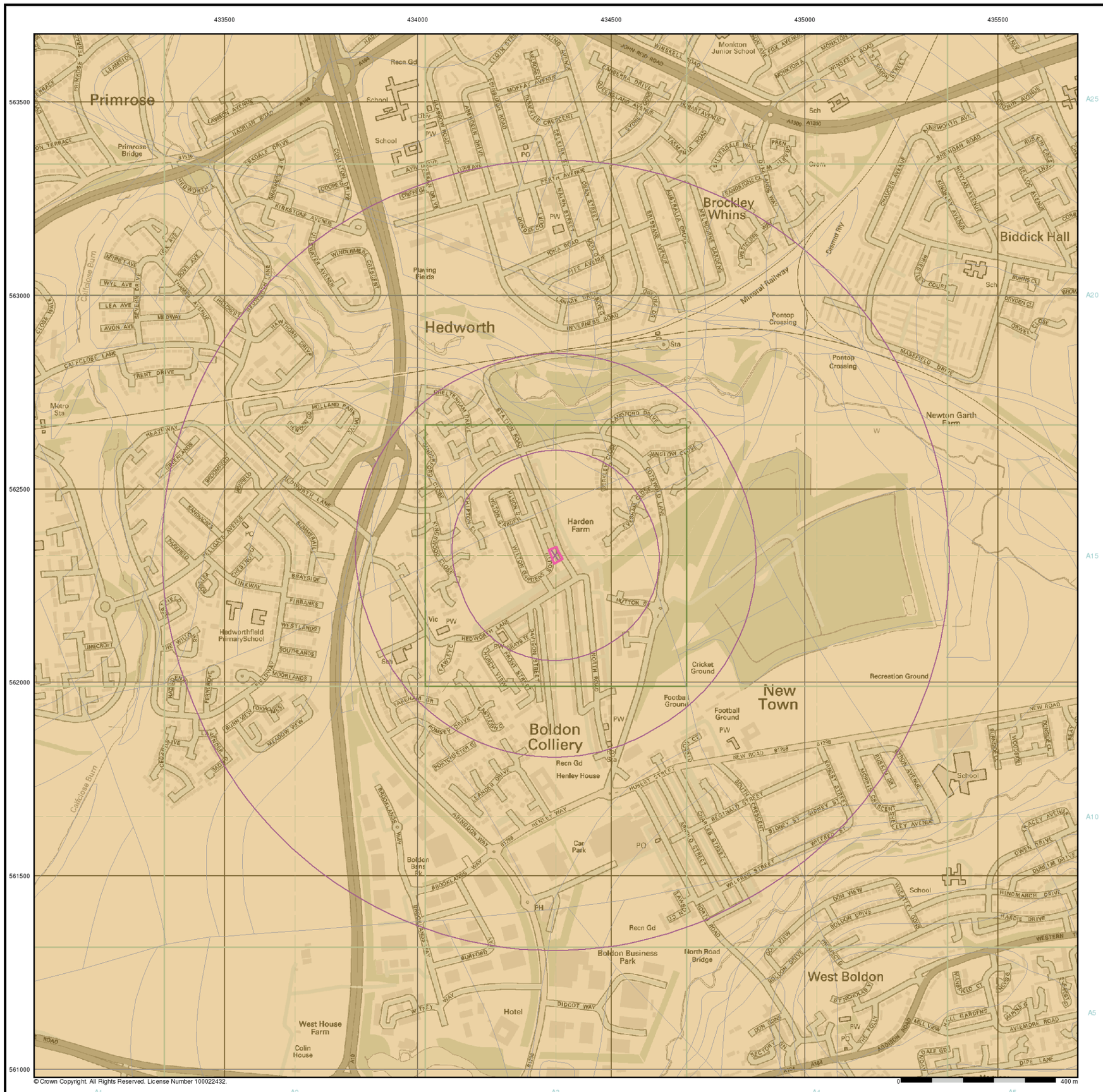


General

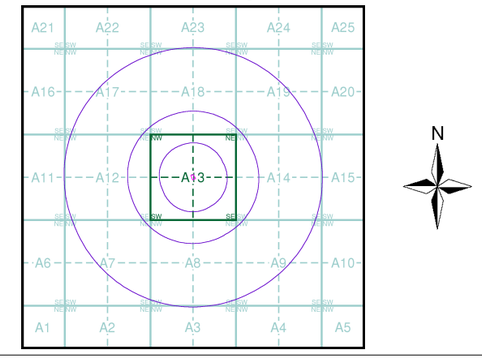
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

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

Estimated Soil Chemistry Cadmium - Slice A



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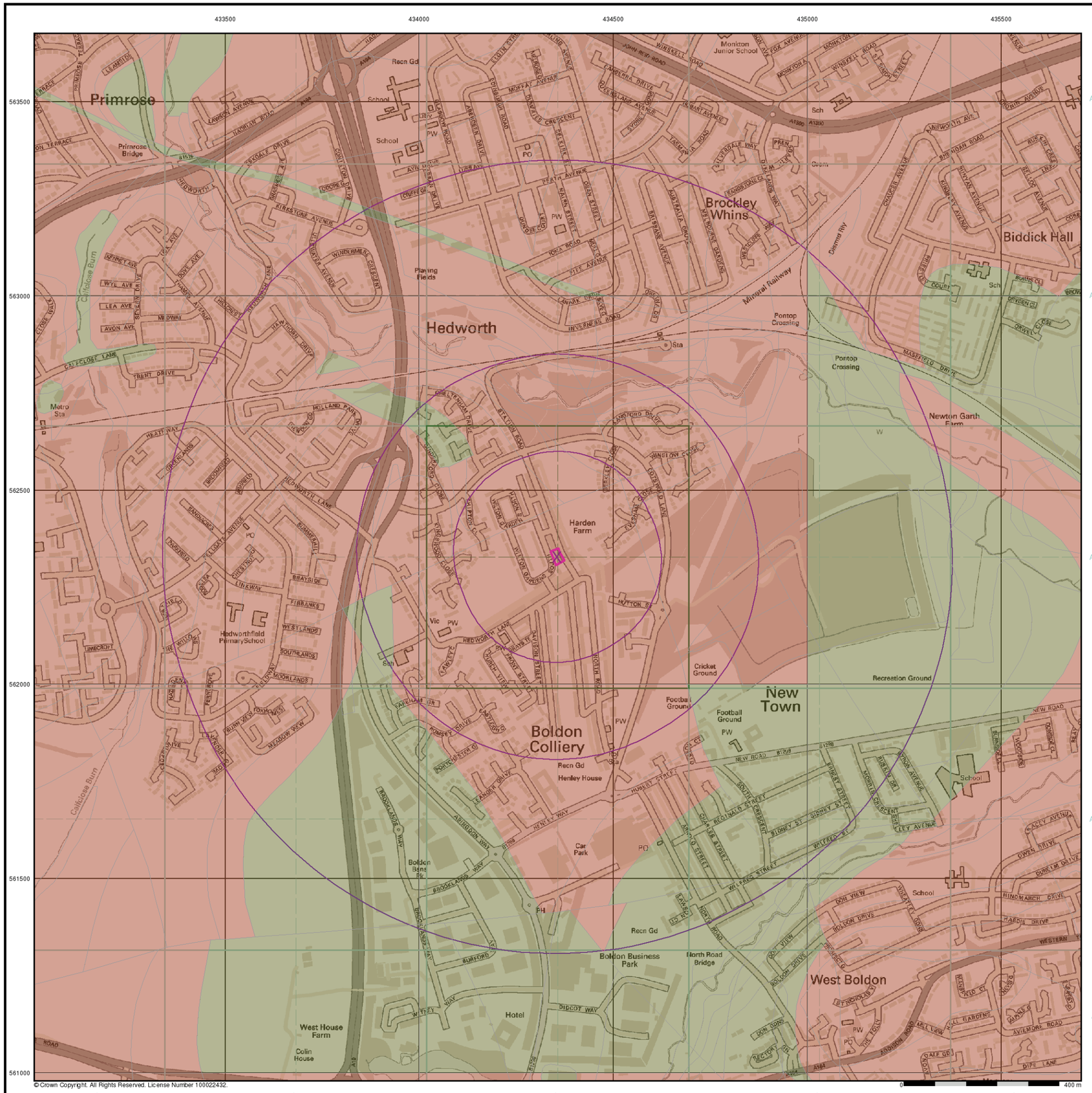


General

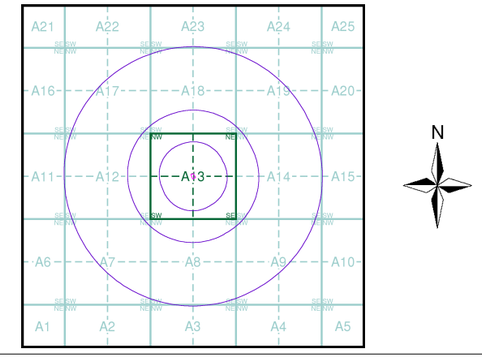
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



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Slice:	A
Site Area (Ha):	0.09
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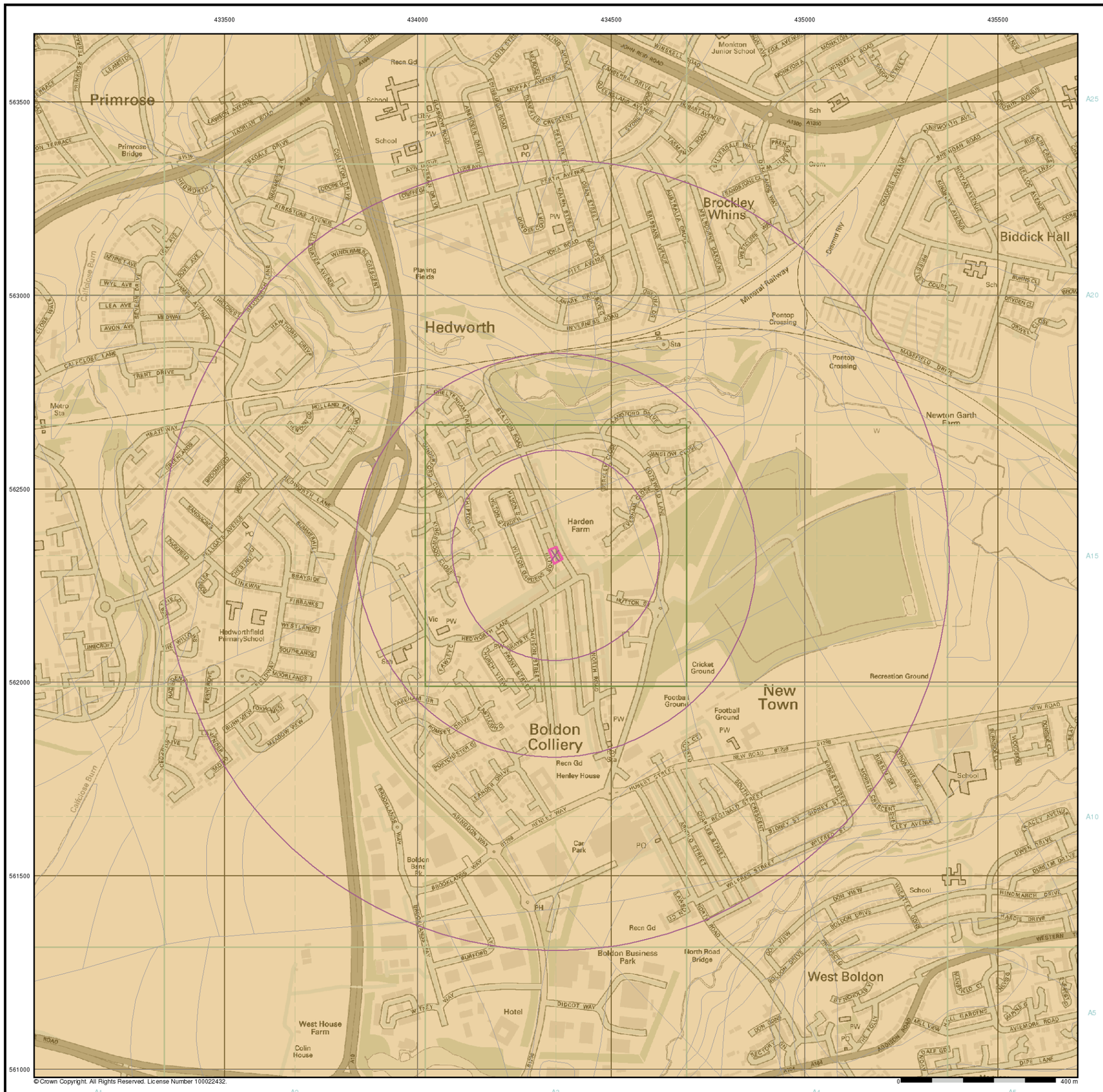


General

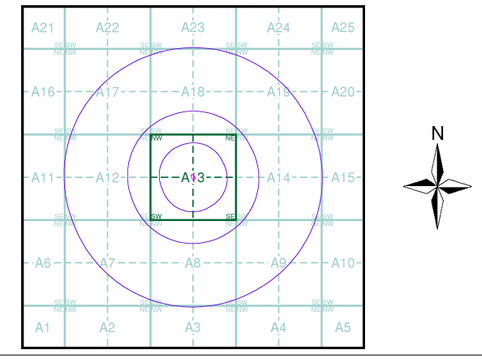
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

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

Estimated Soil Chemistry Lead - Slice A



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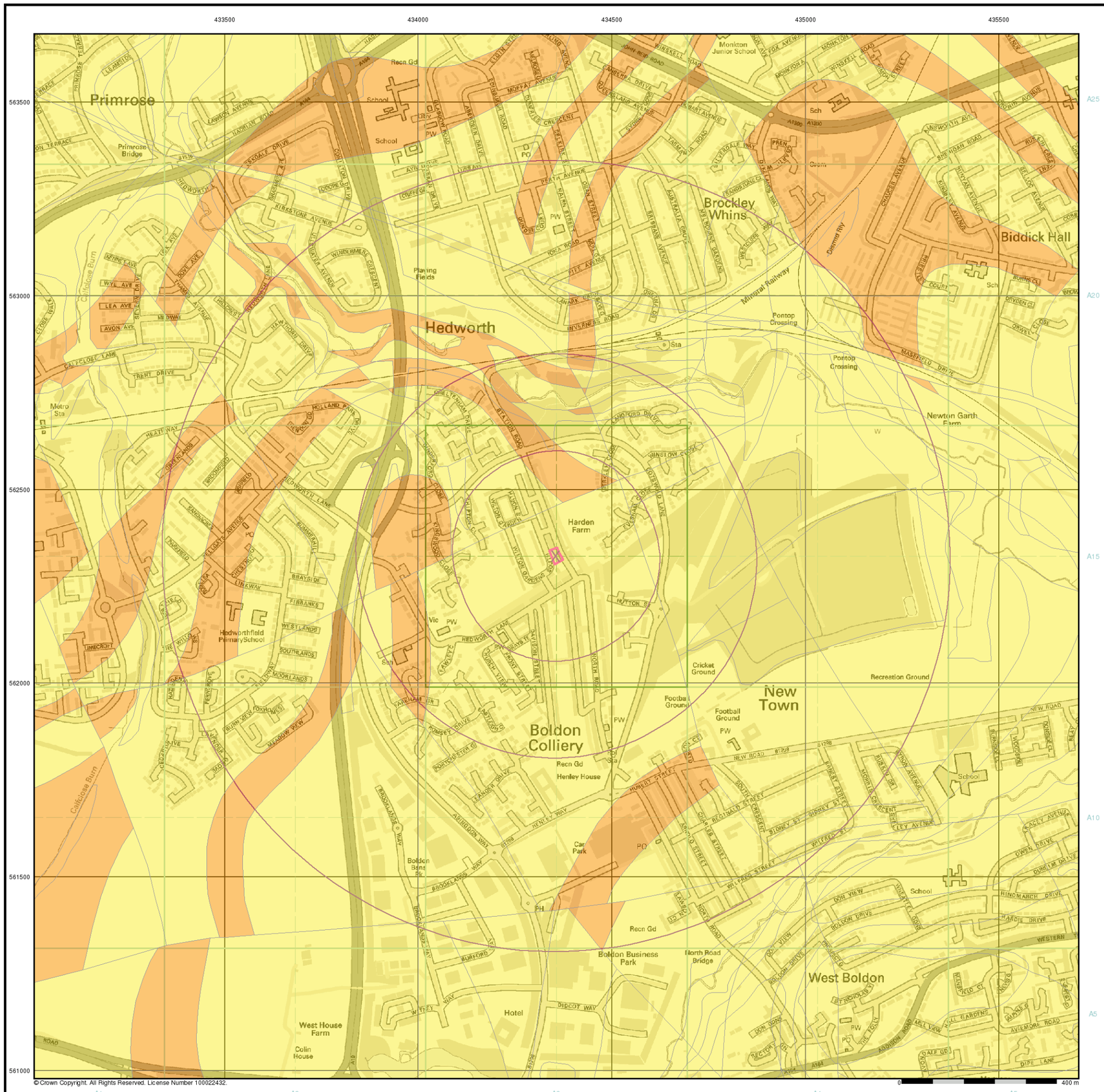


General

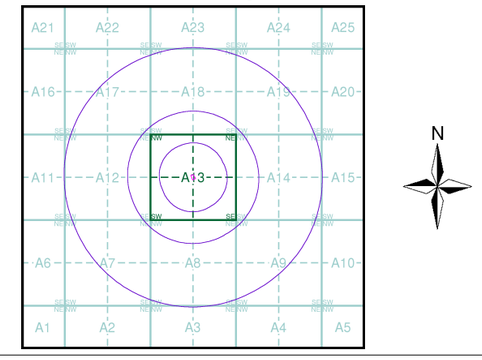
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	56319685_1_1
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National Grid Reference:	434360, 562330
Slice:	A
Site Area (Ha):	0.09
Search Buffer (m):	1000

Site Details

Boldon Colliery Working Mens Club, Station Road, BOLDON COLLIERY, Tyne and Wear, NE35 9HP

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

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
56319685_1_1

Customer Reference:
14-234

National Grid Reference:
434360, 562330

Slice:
A

Site Area (Ha):
0.09

Search Buffer (m):
1000

Site Details:

Boldon Colliery Working Mens Club
Station Road
BOLDON COLLIERY
Tyne and Wear
NE35 9HP

Client Details:

Mr K Moir
Arc Environmental Ltd
Unit 1
Elliot Court
St John's Road
Meadowfield
Durham
DH7 8PN

Contents

Introduction

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

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

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Natural England Copyright Notice

Ove Arup Copyright Notice

Peter Brett Associates Copyright Notice

Radon Potential dataset Copyright Notice

Report Version v47.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			12	1
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4			Yes	
Pollution Incidents to Controlled Waters	pg 5			1	8
Prosecutions Relating to Authorised Processes	pg 6				1
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 6			1	
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 6				1
Water Abstractions	pg 7				(*3)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 7	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 7	Yes	n/a	n/a	n/a
Source Protection Zones	pg 7				1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 8			Yes	n/a
Detailed River Network Offline Drainage					n/a

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
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					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 10	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 10	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 44			2	2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 44	Yes	n/a	n/a	n/a
Mining Instability	pg 45	Yes	n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 45	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 45		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 45	Yes	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

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 46		10	9	24
Fuel Station Entries	pg 49				1
Sensitive Land Use					
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	pg 50			1	
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	**Discharge Consents** Operator: NORTHUMBRIAN WATER LIMITED Property Type: Sewerage Network - Sewers Location: BOLDON COLLIERY SSO NO 1, BOLDON Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/F/0611/2756 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 21st July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Not Supplied Receiving Water: DONRevoked **Status: Not Supplied** Positional Accuracy: Located by supplier to within 10m	A18SW (NW)	384	1	434200 562700
1	**Discharge Consents** Operator: Northumbrian Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Boldon Colliery Sso No 1, Boldon, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/F/0611 Permit Version: 1 Effective Date: 12th October 1964 Issued Date: 12th October 1964 Revocation Date: 21st July 1999 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	384	1	434200 562700
2	**Discharge Consents** Operator: Northumbrian Water Ltd Property Type: Undefined Or Other Location: Railway Culvery Cso (40 Metres From), BOLDON COLLIERY Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1563 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	400	1	434255 562735
3	**Discharge Consents** Operator: NORTHUMBRIAN WATER LIMITED Property Type: Sewerage Network - Sewers Location: RAILWAY CULVERT CSO, (40M FROM), BOLDON COLLIERY Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1563 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 21st July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Not Supplied Receiving Water: RIVER DONRevoked **Status: Not Supplied** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	406	1	434250 562740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: NORTHUMBRIAN WATER LIMITED Property Type: Sewerage Network - Sewers - Water Company Location: Station Road Cso, Boldon Colliery, Gateshead Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1702 Permit Version: 1 Effective Date: 29th June 1999 Issued Date: 29th June 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: RIVER DON **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	406	1	434250 562740
3	**Discharge Consents** Operator: Northumbrian Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Boldon Colliery B Sso, Boldon Colliery Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1563 Permit Version: 1 Effective Date: 7th June 1996 Issued Date: 7th March 1996 Revocation Date: 21st July 1999 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	406	1	434250 562740
3	**Discharge Consents** Operator: Redundant - Northumbrian Water Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Boldon Colliery B Sso, Boldon Colliery Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/0955 Permit Version: 1 Effective Date: 21st September 1989 Issued Date: 21st September 1989 Revocation Date: 7th March 1996 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	406	1	434250 562740
3	**Discharge Consents** Operator: Northumbrian Water Ltd Property Type: Undefined Or Other Location: Railway Culvert Cso (10 Metres From), BOLDON COLLIERY Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1562 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: Not Supplied Revocation Date: Not Supplied Discharge Type: Storm sewage overflow discharge Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	448	1	434255 562785

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: NORTHUMBRIAN WATER LIMITED Property Type: Sewerage Network - Sewers Location: 10M FROM RAILWAY CULVERT CSO, BOLDON COLLIERY Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1562 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 21st July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Not Supplied Receiving Water: RIVER DONRevoked **Status: Not Supplied** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	454	1	434250 562790
3	**Discharge Consents** Operator: Northumbrian Water Limited Property Type: Sewerage Network - Sewers - Water Company Location: Boldon Colliery A Sso, Boldon Colliery Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1562 Permit Version: 1 Effective Date: 7th June 1996 Issued Date: 7th March 1996 Revocation Date: 21st July 1999 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A18SW (N)	454	1	434250 562790
3	**Discharge Consents** Operator: Redundant - Northumbrian Water Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Boldon Colliery A Sso, Boldon Colliery Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/0954 Permit Version: 1 Effective Date: 21st September 1989 Issued Date: 21st September 1989 Revocation Date: 7th April 1996 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A18SW (N)	454	1	434250 562790
4	**Discharge Consents** Operator: Unknown, Property Type: Coal Extraction, Surface Location: Boldon Colliery Housing Development, Boldon Colliery, South Tyneside, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/0508 Permit Version: 1 Effective Date: 17th August 1987 Issued Date: 17th August 1987 Revocation Date: 1st September 1993 Discharge Type: Miscellaneous Discharges - Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A18SE (N)	453	1	434400 562800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Unknown, Property Type: Coal Extraction, Surface Location: Boldon Colliery Proposed Washing Pl, Boldon Colliery, County Durham Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/D/0400 Permit Version: 1 Effective Date: 5th October 1973 Issued Date: 5th October 1973 Revocation Date: 17th September 1990 Discharge Type: Trade Discharge - Process Water Discharge Environment: Freshwater Stream/River Receiving Water: Don, Tributary Of **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A14NW (E)	652	1	435000 562500
6	**Local Authority Pollution Prevention and Controls** 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 **Status: Permitted** Positional Accuracy: Located by supplier to within 100m	A8NE (S)	509	2	434400 561800
7	**Local Authority Pollution Prevention and Controls** Name: R J Budge Location: Bolden Stocking Site B/C, T & 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 **Status: Authorisation revokedRevoked** Positional Accuracy: Un-geocodable - location cannot be found	A14NW (E)	596	2	434969 562348
8	**Local Authority Pollution Prevention and Controls** 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&e)/PtB Dated: 29th October 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A8NE (S)	645	2	434478 561674
9	**Local Authority Pollution Prevention and Controls** 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 **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	769	2	434014 561616
10	**Local Authority Pollution Prevention and Controls** 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 **Status: Permitted** Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	881	2	434000 561500
	Nearest Surface Water Feature	A18SE (N)	364	-	434387 562713

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Off Station Road, Boldon Colliery Authority: Environment Agency, North East Region Pollutant: Not Given Note: River Don Incident Date: 22nd August 1994 Incident Reference: 235/002463 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	353	1	434400 562700
12	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 24th March 1992 Incident Reference: 235/001184 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	607	1	434100 562900
13	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: JARROW Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 9th July 1992 Incident Reference: 235/001410 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	635	1	433900 562800
14	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: HEDWORTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Tributary Incident Date: 14th March 1991 Incident Reference: 235/000513 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (N)	666	1	434500 563000
15	**Pollution Incidents to Controlled Waters** Property Type: Highway/Car Park Location: HEDWORTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 16th July 1990 Incident Reference: 235/000184 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	776	1	433800 562900
16	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: EAST BOLDON Authority: Environment Agency, North East Region Pollutant: Not Given Note: Tileshed Burn Incident Date: 7th January 1993 Incident Reference: 235/001681 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (SW)	813	1	433600 562000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Nz33656305 Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 3rd December 1991 Incident Reference: 235/000976 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	910	1	433705 562995
17	**Pollution Incidents to Controlled Waters** Property Type: Miscellaneous Premises: Unknown Location: HEDWORTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 10th August 1993 Incident Reference: 235/002047 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	914	1	433700 562995
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: HEDWORTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 14th April 1992 Incident Reference: 235/001227 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Sewerage - Storm Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	917	1	433700 563000
18	**Prosecutions Relating to Authorised Processes** 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	A9SW (S)	949	1	434726 561434
	River Quality 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	A18SW (N)	378	1	434309 562724
19	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, North East Area Incident Date: 16th May 2002 Incident Reference: 79146 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A17SE (NW)	833	1	433758 562939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions 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 & 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 & 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	A2NE (S)	1273	1	433920 561110
	Water Abstractions 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 & 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 & 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	A2NE (S)	1273	1	433920 561110
	Water Abstractions 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 & 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 & 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	A2NE (S)	1273	1	433920 561110
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 5 Tyne and Tees Scale: 1:100,000	A13NW (N)	0	1	434356 562328
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring 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	A13NW (N)	0	1	434356 562328
	Bedrock Aquifer Designations Aquifer Desination: Secondary Aquifer - A	A13NW (N)	0	3	434356 562328
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13NW (N)	0	3	434356 562328
20	**Source Protection Zones** 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.	A14NE (E)	873	1	435180 562653

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
21	**Detailed River Network Lines** River Type: Primary River River Name: River Don Hydrographic Area: D013 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: RIVER DON (NORTHUMBRIA) Water Course Reference: 0143	A18SE (N)	367	1	434387 562715
22	**Detailed River Network Lines** River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D013 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Management Status: Flood Risk Management Indicative/Statutory Main River Water Course Name: RIVER DON (NORTHUMBRIA) Water Course Reference: 0143	A18SW (N)	464	1	434255 562802
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: South Tyneside Metropolitan Borough Council - Has no landfill data to supply		0	6	434356 562328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Westphalian Coal Measures	A13NW (N)	0	3	434356 562328
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	0	4	434356 562328
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (NW)	99	4	434307 562437
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (N)	118	4	434373 562466
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	203	4	434562 562397
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	211	4	434543 562453
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (W)	214	4	434133 562400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	222	4	434466 562543
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	238	4	434519 562525
	BGS Estimated Soil Chemistry 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 (W)	255	4	434085 562331
	BGS Estimated Soil Chemistry 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 (N)	256	4	434350 562605
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	274	4	434350 562623
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (S)	307	4	434356 562000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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 (NW)	319	4	434140 562591
	BGS Estimated Soil Chemistry 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	A12NE (W)	339	4	434000 562328
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	343	4	434459 562678
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	343	4	434000 562290
	BGS Estimated Soil Chemistry 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	A12SE (W)	345	4	434013 562231
	BGS Estimated Soil Chemistry 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	A12SE (W)	346	4	434000 562275

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A18SE (N)	348	4	434409 562694
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	357	4	434376 562705
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	359	4	434452 562696
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	375	4	434444 562715
	BGS Estimated Soil Chemistry 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	A18SW (N)	381	4	434284 562723
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	383	4	434754 562273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (SE)	389	4	434673 562070
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	392	4	434000 562537
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	392	4	434699 562100
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	402	4	434701 562085
	BGS Estimated Soil Chemistry 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	A18SE (N)	403	4	434430 562746
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	417	4	434422 562762

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	419	4	433975 562549
	BGS Estimated Soil Chemistry 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	A12NE (NW)	420	4	433967 562536
	BGS Estimated Soil Chemistry 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	A12SE (W)	420	4	433928 562256
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	420	4	434435 562762
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (NW)	433	4	433951 562532
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	447	4	434028 562000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A12NE (W)	448	4	433909 562466
	BGS Estimated Soil Chemistry 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)	449	4	434690 562000
	BGS Estimated Soil Chemistry 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	A12NE (NW)	451	4	434000 562639
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	458	4	433886 562278
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	464	4	434393 562812
	BGS Estimated Soil Chemistry 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	A18SE (N)	464	4	434405 562810

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	466	4	434450 562806
	BGS Estimated Soil Chemistry 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	A12SE (SW)	468	4	434000 562000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	474	4	434792 562542
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (E)	480	4	434834 562457
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NE (W)	486	4	433878 562496
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	488	4	434758 562631

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A18SE (N)	491	4	434432 562835
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	493	4	434385 562842
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	495	4	434456 562834
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	507	4	434717 562709
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	515	4	434000 562729
	BGS Estimated Soil Chemistry 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	A12SE (W)	520	4	433836 562212

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A12SE (SW)	524	4	433929 562000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	525	4	434693 562754
	BGS Estimated Soil Chemistry 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	A12SE (SW)	529	4	433905 562025
	BGS Estimated Soil Chemistry 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	A12SE (SW)	529	4	433922 562000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (E)	533	4	434907 562312
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NW (NE)	533	4	434841 562576

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A7NE (SW)	535	4	434000 561905
	BGS Estimated Soil Chemistry 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	A12SE (SW)	539	4	433856 562098
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	542	4	434696 562774
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	545	4	433966 562739
	BGS Estimated Soil Chemistry 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	A17SE (NW)	545	4	434000 562768
	BGS Estimated Soil Chemistry 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	A12SE (W)	546	4	433829 562148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	556	4	433803 562195
	BGS Estimated Soil Chemistry 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	A12SE (W)	556	4	433803 562195
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	556	4	434564 562866
	BGS Estimated Soil Chemistry 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	A14SW (SE)	559	4	434833 562000
	BGS Estimated Soil Chemistry 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	A17SE (NW)	563	4	433969 562767
	BGS Estimated Soil Chemistry 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	A17SE (NW)	569	4	433938 562745

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (NW)	580	4	434105 562872
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	581	4	434843 562671
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	582	4	433937 562763
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	584	4	433778 562182
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	584	4	434717 562810
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SW (SE)	586	4	434865 562000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A8NE (SE)	586	4	434647 561800
	BGS Estimated Soil Chemistry 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	A17SE (NW)	591	4	433921 562759
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	601	4	434000 562838
	BGS Estimated Soil Chemistry 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	A12SE (SW)	604	4	433827 562012
	BGS Estimated Soil Chemistry 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	A12SE (SW)	609	4	433827 562000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	611	4	434730 562835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A12SE (SW)	614	4	433821 562000
	BGS Estimated Soil Chemistry 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	A17SE (NW)	624	4	434000 562865
	BGS Estimated Soil Chemistry 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	A14NW (E)	626	4	435000 562328
	BGS Estimated Soil Chemistry 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	A14NW (E)	630	4	435000 562390
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	631	4	434738 562854
	BGS Estimated Soil Chemistry 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	A17SE (NW)	634	4	433879 562778

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A12SE (SW)	636	4	433796 562000
	BGS Estimated Soil Chemistry 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	A17SE (NW)	637	4	433828 562722
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	643	4	434528 562970
	BGS Estimated Soil Chemistry 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	A14SW (E)	649	4	435000 562148
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	651	4	434000 562897
	BGS Estimated Soil Chemistry 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	A18SE (N)	651	4	434389 563000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (N)	651	4	434356 563000
	BGS Estimated Soil Chemistry 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	A18SE (N)	653	4	434415 563000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	662	4	434533 562989
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	664	4	434490 563000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	665	4	434743 562892
	BGS Estimated Soil Chemistry 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	A18NE (N)	667	4	434446 563011

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	670	4	434668 562944
	BGS Estimated Soil Chemistry 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	A14SW (E)	671	4	435000 562078
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	682	4	434389 563031
	BGS Estimated Soil Chemistry 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	A17SE (NW)	683	4	433850 562818
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	684	4	433845 562814
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (SW)	685	4	433741 562000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	695	4	434737 562933
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	697	4	434000 562951
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	699	4	433880 562869
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	700	4	434701 562960
	BGS Estimated Soil Chemistry 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	A14SW (SE)	703	4	435000 562000
	BGS Estimated Soil Chemistry 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	A14SE (E)	703	4	435037 562087

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A9NW (SE)	708	4	434777 561737
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SW (NW)	710	4	434072 563000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	717	4	434744 562954
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	723	4	434832 562896
	BGS Estimated Soil Chemistry 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	A12NW (W)	725	4	433634 562508
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	726	4	433748 562763

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	728	4	434771 562950
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	735	4	434743 562976
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	740	4	434000 563000
	BGS Estimated Soil Chemistry 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	A19SW (NE)	753	4	435025 562701
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	755	4	434912 562863
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	755	4	434741 563000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	755	4	434951 562817
	BGS Estimated Soil Chemistry 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	A18NW (N)	761	4	434291 563107
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	762	4	433744 562818
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	762	4	433896 562962
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	774	4	434000 563038
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	780	4	433920 563000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	780	4	434790 563000
	BGS Estimated Soil Chemistry 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	A14SE (SE)	785	4	435091 562000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	788	4	434916 562907
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	800	4	434994 562836
	BGS Estimated Soil Chemistry 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	A19SW (NE)	801	4	435000 562830
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12NW (W)	802	4	433581 562604

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	810	4	434922 562932
	BGS Estimated Soil Chemistry 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	A19SW (NE)	814	4	435000 562851
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	816	4	434851 563000
	BGS Estimated Soil Chemistry 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	A19SE (NE)	822	4	435110 562684
	BGS Estimated Soil Chemistry 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	A19SE (NE)	827	4	435105 562706
	BGS Estimated Soil Chemistry 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	A19SE (NE)	827	4	435104 562709

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	829	4	434953 562928
	BGS Estimated Soil Chemistry 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	A19SW (NE)	834	4	435000 562883
	BGS Estimated Soil Chemistry 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	A19SE (NE)	844	4	435089 562773
	BGS Estimated Soil Chemistry 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	A19SE (NE)	846	4	435097 562763
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	848	4	434989 562916
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	851	4	434907 563000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A19SW (NE)	852	4	435000 562911
	BGS Estimated Soil Chemistry 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	A19SW (NE)	853	4	435000 562913
	BGS Estimated Soil Chemistry 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	A19SW (NE)	856	4	435005 562911
	BGS Estimated Soil Chemistry 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	A17SE (NW)	857	4	433723 562937
	BGS Estimated Soil Chemistry 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	A17SE (NW)	872	4	433768 563000
	BGS Estimated Soil Chemistry 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	A17SW (NW)	874	4	433535 562683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	874	4	434901 563035
	BGS Estimated Soil Chemistry 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	A8SE (S)	886	4	434473 561429
	BGS Estimated Soil Chemistry 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	A17NE (NW)	887	4	434000 563161
	BGS Estimated Soil Chemistry 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	A8SE (S)	888	4	434535 561438
	BGS Estimated Soil Chemistry 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	A8SE (S)	889	4	434387 561418
	BGS Estimated Soil Chemistry 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	A19SE (NE)	892	4	435094 562855

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A8SW (S)	893	4	434353 561414
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	895	4	433733 563000
	BGS Estimated Soil Chemistry 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	A9SW (SE)	901	4	434909 561594
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	901	4	434900 563069
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	906	4	434000 563182
	BGS Estimated Soil Chemistry 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	A19SE (NE)	907	4	435131 562825

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A14NE (E)	911	4	435267 562501
	BGS Estimated Soil Chemistry 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	A9NW (SE)	911	4	435000 561657
	BGS Estimated Soil Chemistry 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	A19SW (NE)	913	4	435000 563000
	BGS Estimated Soil Chemistry 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	A17SE (NW)	926	4	433688 563000
	BGS Estimated Soil Chemistry 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	A17NE (NW)	938	4	433929 563185
	BGS Estimated Soil Chemistry 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	A12NW (W)	939	4	433440 562613

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (NE)	940	4	435148 562861
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (NW)	940	4	433492 562748
	BGS Estimated Soil Chemistry 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	A19SE (NE)	940	4	435148 562861
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (NE)	943	4	435119 562908
	BGS Estimated Soil Chemistry 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	A14NE (E)	944	4	435300 562504
	BGS Estimated Soil Chemistry 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	A19SE (NE)	946	4	435179 562820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SW (NW)	946	4	433660 563000
	BGS Estimated Soil Chemistry 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	A19SE (NE)	946	4	435176 562826
	BGS Estimated Soil Chemistry 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	A19SE (NE)	947	4	435158 562858
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (E)	959	4	435263 562679
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (NE)	959	4	435064 563000
	BGS Estimated Soil Chemistry 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	A9SW (SE)	960	4	434967 561564

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (NE)	960	4	435251 562710
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17NE (NW)	963	4	433921 563209
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SE (NE)	964	4	435241 562741
	BGS Estimated Soil Chemistry 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	A9SW (SE)	965	4	435000 561585
	BGS Estimated Soil Chemistry 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	A14NE (E)	966	4	435283 562646
	BGS Estimated Soil Chemistry 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	A8SW (S)	966	4	434065 561385

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A17NE (NW)	973	4	433883 563201
	BGS Estimated Soil Chemistry 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	A9SW (SE)	979	4	434978 561549
	BGS Estimated Soil Chemistry 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	A9SW (SE)	985	4	435000 561559
	BGS Estimated Soil Chemistry 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	A19NW (NE)	986	4	435017 563084
	BGS Estimated Soil Chemistry 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	A17SW (NW)	987	4	433592 562986
	BGS Estimated Soil Chemistry 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	A14NE (E)	987	4	435361 562340

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14NE (E)	989	4	435320 562608
	BGS Estimated Soil Chemistry 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	A7SE (S)	990	4	434000 561382
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	991	4	434278 563337
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19NW (NE)	996	4	435000 563112
	BGS Estimated Soil Chemistry 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	A19SE (NE)	997	4	435248 562801
	BGS Estimated Soil Chemistry 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	A19NW (NE)	998	4	435001 563113

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: 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	A19NW (NE)	999	4	435000 563115
23	**BGS Recorded Mineral Sites** Site Name: Boldon Colliery Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99190 Type: Underground **Status: Ceased** Operator: Ncb North East Area Operator Location: Ncb North East Area, Coal House, Team Valley, Gateshead, Tyne & Wear, Ne11 0jd Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SE (E)	284	3	434655 562280
24	**BGS Recorded Mineral Sites** Site Name: Boldon Colliery Brick Works Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99189 Type: Opencast **Status: Ceased** 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	A14SW (E)	444	3	434811 562243
25	**BGS Recorded Mineral Sites** Site Name: Brockley Whins Location: , Simonside, Hebburn, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 95957 Type: Opencast **Status: Ceased** 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	A19SW (NE)	712	3	434833 562881
26	**BGS Recorded Mineral Sites** Site Name: Simonside Location: , Simonside, Hebburn, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 95956 Type: Opencast **Status: Ceased** 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	A19NW (NE)	996	3	434834 563225
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NW (N)	0	5	434356 562328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NW (N)	0	-	434356 562328
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	214	3	434133 562400
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	214	3	434133 562400
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328
	Radon Potential - Radon Affected Areas Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	3	434356 562328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	**Contemporary Trade Directory Entries** Name: T & D Williams Ltd Location: 22 & 58, Hedworth Lane, Boldon Colliery, Tyne and Wear, NE35 9HT Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	102	-	434297 562221
28	**Contemporary Trade Directory Entries** Name: Artistic Blacksmith Components Location: 5, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Wrought Ironwork **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	202	-	434556 562231
28	**Contemporary Trade Directory Entries** Name: Dj Location: 5-6, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Ornamental Metalwork **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	202	-	434556 562231
28	**Contemporary Trade Directory Entries** Name: Indico Ltd Location: 3, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Adhesives, Glues & Sealants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	222	-	434578 562232
29	**Contemporary Trade Directory Entries** Name: A P Extrusions Ltd Location: 10, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Plastics - Extrusion **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	210	-	434524 562173
29	**Contemporary Trade Directory Entries** Name: Teledata Location: 11, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	219	-	434537 562173
29	**Contemporary Trade Directory Entries** Name: Ipc Technology Location: 12, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Computer Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	227	-	434549 562175
29	**Contemporary Trade Directory Entries** Name: Lg Mot Location: Unit 20, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	249	-	434548 562141
29	**Contemporary Trade Directory Entries** Name: Servicemaster Location: Unit 20, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	249	-	434548 562141
29	**Contemporary Trade Directory Entries** Name: Ultimate Moto Location: Unit 19,Bensham St, Boldon Colliery, Tyne And Wear, NE35 9LN Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	249	-	434548 562141
30	**Contemporary Trade Directory Entries** Name: Oliver'S Pet Cuisine Location: 17, Hutton Street, Boldon Colliery, Tyne and Wear, NE35 9LW Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	253	-	434582 562177
30	**Contemporary Trade Directory Entries** Name: P D Tuning Location: 18, Bensham Street, Boldon Colliery, Tyne and Wear, NE35 9LN Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	282	-	434584 562132

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	**Contemporary Trade Directory Entries** Name: Mobile Phone Recycling Location: 9 Berkeley Cl, Boldon Colliery, Tyne And Wear, NE35 9LQ Classification: Recycling Centres **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	259	-	434491 562572
32	**Contemporary Trade Directory Entries** Name: Euroserv Location: Unit 15,Bensham St, Boldon Colliery, Tyne and Wear, NE35 9LN Classification: Electric Motor Sales & Service **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	274	-	434550 562109
32	**Contemporary Trade Directory Entries** Name: P D Tuning Location: 18 Bensham St, Boldon Colliery, Tyne And Wear, NE35 9LN Classification: Car Engine Tuning & Diagnostic Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	283	-	434566 562111
33	**Contemporary Trade Directory Entries** Name: R S Cleaning Services Location: 41, Cinderford Close, Boldon Colliery, Tyne and Wear, NE35 9LB Classification: Carpet, Curtain & Upholstery Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	349	-	434051 562538
34	**Contemporary Trade Directory Entries** Name: Steve Watson Coachworks Ltd Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AF Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NE (S)	409	-	434498 561924
34	**Contemporary Trade Directory Entries** Name: M & S Prestige & Specialist Ltd Location: North Rd, Boldon Colliery, Tyne And Wear, NE35 9AF Classification: Garage Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A8NE (S)	448	-	434486 561879
35	**Contemporary Trade Directory Entries** Name: Hygiene Cleaning Location: 27, Simpson Close, Boldon Colliery, Tyne and Wear, NE35 9JP Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	415	-	434301 561895
36	**Contemporary Trade Directory Entries** Name: Action Dry Water Out (Uk) Location: 35, Holland Park Drive, Jarrow, Tyne and Wear, NE32 4LN Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	559	-	433865 562636
37	**Contemporary Trade Directory Entries** Name: Full Steam Ahead Ironing Location: 5, Dunelm Grange, Boldon Colliery, Tyne and Wear, NE35 9AB Classification: Ironing & Home Laundry Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	653	-	434261 561660
38	**Contemporary Trade Directory Entries** Name: R Lamb (Jarrow) Ltd Location: 3, Hounslow Gardens, Jarrow, Tyne and Wear, NE32 4LS Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	674	-	433708 562579
39	**Contemporary Trade Directory Entries** Name: Elk Rubbish Removals Location: 139, Hedworth Lane, JARROW, Tyne and Wear, NE32 4LU Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	703	-	433654 562497
40	**Contemporary Trade Directory Entries** Name: Johnson Cleaners (Uk) Ltd Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AR Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SE (S)	721	-	434489 561598

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Contemporary Trade Directory Entries** Name: Klick Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AR Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	721	-	434489 561598
40	**Contemporary Trade Directory Entries** Name: Klick Photopoint Location: North Road, Boldon Colliery, Tyne and Wear, NE35 9AR Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	722	-	434489 561598
41	**Contemporary Trade Directory Entries** Name: Boldon Domestic Appliances Ltd Location: 27, North Road, East Boldon, Tyne and Wear, NE36 0DJ Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (SE)	763	-	434657 561607
41	**Contemporary Trade Directory Entries** Name: Petmeals Location: 24, East View, Boldon Colliery, Tyne and Wear, NE35 9AU Classification: Pet Foods & Animal Feeds **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	791	-	434634 561568
42	**Contemporary Trade Directory Entries** Name: Cinderella Of The North Location: 58, Ullswater Avenue, Jarrow, Tyne and Wear, NE32 4EY Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	819	-	433802 562960
43	**Contemporary Trade Directory Entries** Name: Hne Huntleigh Ltd Location: Unit 11B, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Medical Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	827	-	433867 561638
44	**Contemporary Trade Directory Entries** Name: Joseph'S Hardware Location: 45, North Road, Boldon Colliery, Tyne and Wear, NE35 9AX Classification: Hardware **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (SE)	829	-	434685 561548
45	**Contemporary Trade Directory Entries** Name: Hla Services Location: 1, Boldon Court, Burford Way, Boldon Colliery, Tyne and Wear, NE35 9PY Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	848	-	434177 561477
45	**Contemporary Trade Directory Entries** Name: Coolrite Refrigeration Location: 1, Boldon Court, Burford Way, Boldon Colliery, Tyne and Wear, NE35 9PY Classification: Refrigeration Equipment Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	848	-	434177 561477
46	**Contemporary Trade Directory Entries** Name: Mtechnic Fabrications Location: Unit 10, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Metal Products - Fabricated **Status: Active** Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	870	-	433880 561576
46	**Contemporary Trade Directory Entries** Name: Autoweld Systems Location: Unit 10, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Oil & Gas Exploration Supplies & Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7SE (SW)	870	-	433880 561576

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	**Contemporary Trade Directory Entries** Name: Henry Halsteads Ltd Location: Unit 2, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Nuts, Bolts & Fixings **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	905	-	434080 561444
47	**Contemporary Trade Directory Entries** Name: Lex Harvey Ltd Location: Unit 3, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Fork Lift Trucks **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	928	-	434041 561433
47	**Contemporary Trade Directory Entries** Name: A1 Refrigeration Installations Location: 3, Boldon Court, Burford Way, Boldon Colliery, Tyne and Wear, NE35 9PY Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	928	-	434041 561433
48	**Contemporary Trade Directory Entries** Name: Pressed For Time Location: 10, Sandiacres, Jarrow, Tyne and Wear, NE32 4NN Classification: Ironing & Home Laundry Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	941	-	433402 562417
49	**Contemporary Trade Directory Entries** Name: A C Yule Location: Unit 11, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ Classification: Aluminium Fabricators **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	961	-	434237 561352
50	**Contemporary Trade Directory Entries** Name: Northumbria Optical Coatings Ltd Location: Unit 10, Burford Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PZ Classification: Optical Goods - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	983	-	434158 561343
50	**Contemporary Trade Directory Entries** Name: Nw Printers Location: Unit 8, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	1000	-	434120 561334
51	**Contemporary Trade Directory Entries** Name: Mill Car Clinic Location: Unit 5, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Car Body Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A8SW (S)	997	-	434065 561352
52	**Fuel Station Entries** Name: Asda Boldon Automat Location: North Road, Boldon Colliery, Tyne & Wear, NE35 9AR Brand: ASDA Premises Type: Hypermarket **Status: Open** Positional Accuracy: Manually positioned to the address or location	A8SE (S)	863	-	434383 561444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	**Areas of Adopted Green Belt** Authority: South Tyneside Metropolitan Borough Council, Planning Department Plan Name: Core Strategy **Status: Adopted** Plan Date: 30th June 2007	A13NW (N)	274	6	434284 562613
54	**Areas of Adopted Green Belt** Authority: South Tyneside Metropolitan Borough Council, Planning Department Plan Name: Core Strategy **Status: Adopted** Plan Date: 30th June 2007	A7NE (SW)	695	6	433766 561935
55	**Local Nature Reserves** Name: Station Burn Multiple Area: Y Area (m2): 121145.88 Source: Natural England Designation Date: 4th January 2006	A13NW (N)	314	7	434286 562655

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

Data Currency

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

Data Currency

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North East Region - North East Area	February 2014	Quarterly
Environment Agency - North East Region - Northumbria Area	February 2014	Quarterly
Environment Agency - South East Region - Kent & South London Area	February 2014	Quarterly
Environment Agency - South East Region - North East Thames Area	February 2014	Quarterly
Environment Agency - South East Region - Solent & South Downs Area	February 2014	Quarterly
Environment Agency - South East Region - West Thames Area	February 2014	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - North East Area	February 2014	Quarterly
Environment Agency - North East Region - Northumbria Area	February 2014	Quarterly
Environment Agency - South East Region - Kent & South London Area	February 2014	Quarterly
Environment Agency - South East Region - North East Thames Area	February 2014	Quarterly
Environment Agency - South East Region - Solent & South Downs Area	February 2014	Quarterly
Environment Agency - South East Region - West Thames Area	February 2014	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - North East Area	February 2014	Quarterly
Environment Agency - North East Region - Northumbria Area	February 2014	Quarterly
Local Authority Landfill Coverage		
City of Newcastle upon Tyne Council - Environmental Health Department	May 2000	Not Applicable
Gateshead Metropolitan Borough Council - Development Control	May 2000	Not Applicable
North Tyneside Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
South Tyneside Metropolitan Borough Council - Planning Department	May 2000	Not Applicable
Sunderland City Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
City of Newcastle upon Tyne Council - Environmental Health Department	May 2000	Not Applicable
Gateshead Metropolitan Borough Council - Development Control	May 2000	Not Applicable
North Tyneside Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
South Tyneside Metropolitan Borough Council - Planning Department	May 2000	Not Applicable
Sunderland City Metropolitan Borough Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	March 2014	Bi-Annually
Explosive Sites		
Health and Safety Executive	November 2013	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
South Tyneside Metropolitan Borough Council - Planning Department	April 2013	Annual Rolling Update
Gateshead Metropolitan Borough Council - Development Control	July 2013	Annual Rolling Update
Sunderland City Metropolitan Borough Council - Planning	March 2014	Annual Rolling Update
City of Newcastle upon Tyne Council	September 2013	Annual Rolling Update
North Tyneside Metropolitan Borough Council - Development Function	September 2013	Annual Rolling Update
Planning Hazardous Substance Consents		
South Tyneside Metropolitan Borough Council - Planning Department	April 2013	Annual Rolling Update
Gateshead Metropolitan Borough Council - Development Control	July 2013	Annual Rolling Update
Sunderland City Metropolitan Borough Council - Planning	March 2014	Annual Rolling Update
City of Newcastle upon Tyne Council	September 2013	Annual Rolling Update
North Tyneside Metropolitan Borough Council - Development Function	September 2013	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Variable
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Mining Report Service	December 2013	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	October 2013	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	October 2013	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	February 2014	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	March 2014	Quarterly
Sensitive Land Use	**Version**	**Update Cycle**
Areas of Adopted Green Belt		
City of Newcastle upon Tyne Council	February 2014	As notified
Gateshead Metropolitan Borough Council - Development Control	February 2014	As notified
North Tyneside Metropolitan Borough Council	February 2014	As notified
South Tyneside Metropolitan Borough Council - Planning Department	February 2014	As notified
Sunderland City Metropolitan Borough Council - Planning	February 2014	As notified
Areas of Unadopted Green Belt		
City of Newcastle upon Tyne Council	February 2014	As notified
Gateshead Metropolitan Borough Council - Development Control	February 2014	As notified
North Tyneside Metropolitan Borough Council	February 2014	As notified
South Tyneside Metropolitan Borough Council - Planning Department	February 2014	As notified
Sunderland City Metropolitan Borough Council - Planning	February 2014	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2014	Bi-Annually
Environmentally Sensitive Areas		
Natural England	July 2013	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	July 2013	Bi-Annually
Marine Nature Reserves		
Natural England	July 2013	Bi-Annually
National Nature Reserves		
Natural England	January 2014	Bi-Annually
National Parks		
Natural England	January 2014	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
Ramsar Sites		
Natural England	July 2013	Bi-Annually
Sites of Special Scientific Interest		
Natural England	July 2013	Bi-Annually
Special Areas of Conservation		
Natural England	July 2013	Bi-Annually
Special Protection Areas		
Natural England	July 2013	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**South Tyneside Metropolitan Borough Council - Environmental Health Department** 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
3	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	**South Tyneside Metropolitan Borough Council - Planning Department** 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	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

The Coal Authority

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

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

Our reference:	**51000543077002**
Your reference:	**56319685_2|**
Date of your enquiry:	**16 May 2014**
Date we received your enquiry:	**16 May 2014**
Date of issue:	**16 May 2014**

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

Non-Residential Coal Authority Mining Report

SITE AT BOLDON COLLIERY WORKING MENS CLUB, STATION 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 3 seams of coal at 400m to 470m depth, and last worked in 1940.
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

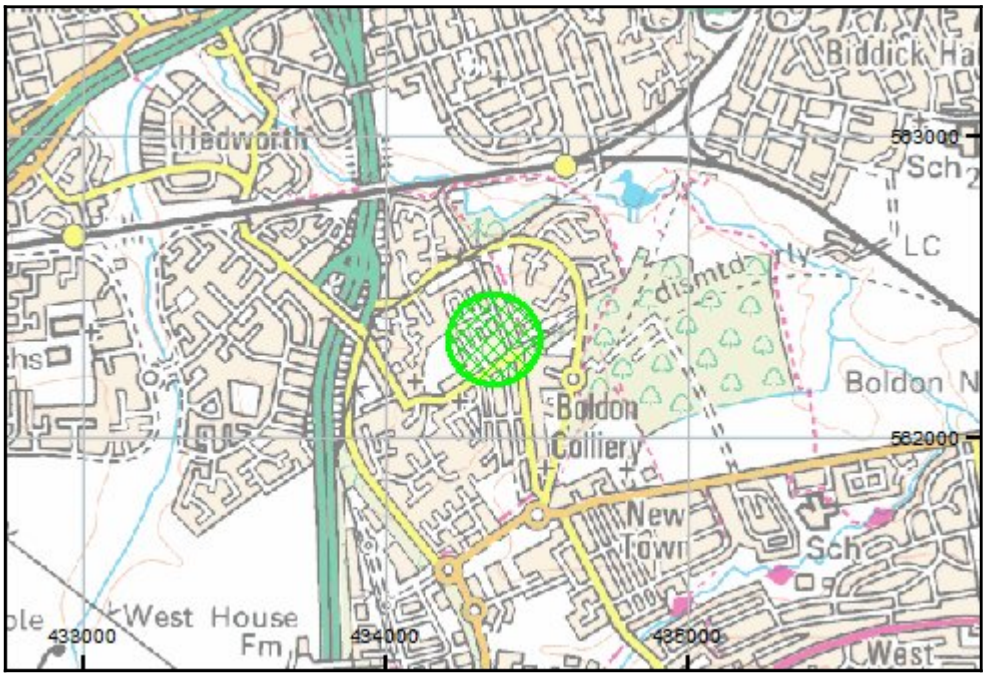
The property lies outside the Cheshire Brine Compensation District.

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.

Location map

Approximate position of property



Enquiry boundary

Key

Approximate position of enquiry boundary shown

APPENDIX IV

Conceptual Site Model (CSM)

STRATA DETAILS

MADE GROUND:
PUBLISHED BGS DATA INDICATED AN ABSENCE OF MADE GROUND ON OR IMMEDIATELY ADJACENT TO THE SITE. HOWEVER, MADE GROUND MATERIALS ARE ANTICIPATED BELOW THE MAJORITY OF THE SITE ASSOCIATED WITH THE EXISTING AND HISTORICAL DEVELOPMENTS (I.E. CONSTRUCTION OF THE EXISTING BUILDINGS), THE NATURE AND THICKNESS OF WHICH IS UNKNOWN AT THIS STAGE, ALTHOUGH THIS IS ANTICIPATED AS <1M IN THICKNESS. LOCALLY DEEPER AREAS OF MADE GROUND MAY BE PRESENT IF CELLARS ARE EVIDENT BELOW PARTS OF THE SITE

DRIFT DEPOSITS:
THE UNDERLYING DRIFT DEPOSITS ARE CURRENTLY SHOWN TO COMPRISE PELAW CLAY MEMBER (TILL – FIRM TO STIFF, SANDY GRAVELLY CLAYS). BGS TRIAL PITS NZ36SW623 & 624 C.160M TO THE NORTH–EAST IDENTIFIED FIRM BROWN AND GREY MOTTLED FISSURED STONY CLAY TO DEPTHS OF AT LEAST C.2.50M BGL. BGS BOREHOLE NZ36SW20 LOCATED C.290M TO THE SOUTH–EAST IDENTIFIED 'DARK BROWN CLAY' TO AT LEAST C.13.3M BGL. PUBLISHED MAPPING SUGGESTS POTENTIALLY DEEP SUPERFICIAL DRIFT AS THE SITE LIES ON THE NORTHERN LIMB OF A POSSIBLE DEEP BURIED VALLEY

SOLID GEOLOGY:
PUBLISHED BGS PLANS AND MAPS INDICATE THAT THE SOLID GEOLOGY BELOW THIS SITE INITIALLY IS RECORDED AS THE MIDDLE COAL MEASURES DEPOSITED DURING THE PERIOD OF EARTH'S HISTORY KNOWN AS CARBONIFEROUS. MUDSTONE IS EXPECTED AT ROCKHEAD

CSM SYMBOLS & EXPLANATIONS

GROUNDWATER ANTICIPATED TO BE PRESENT AT DEPTH WITHIN THE SOLID GEOLOGY (SECONDARY A AQUIFER)

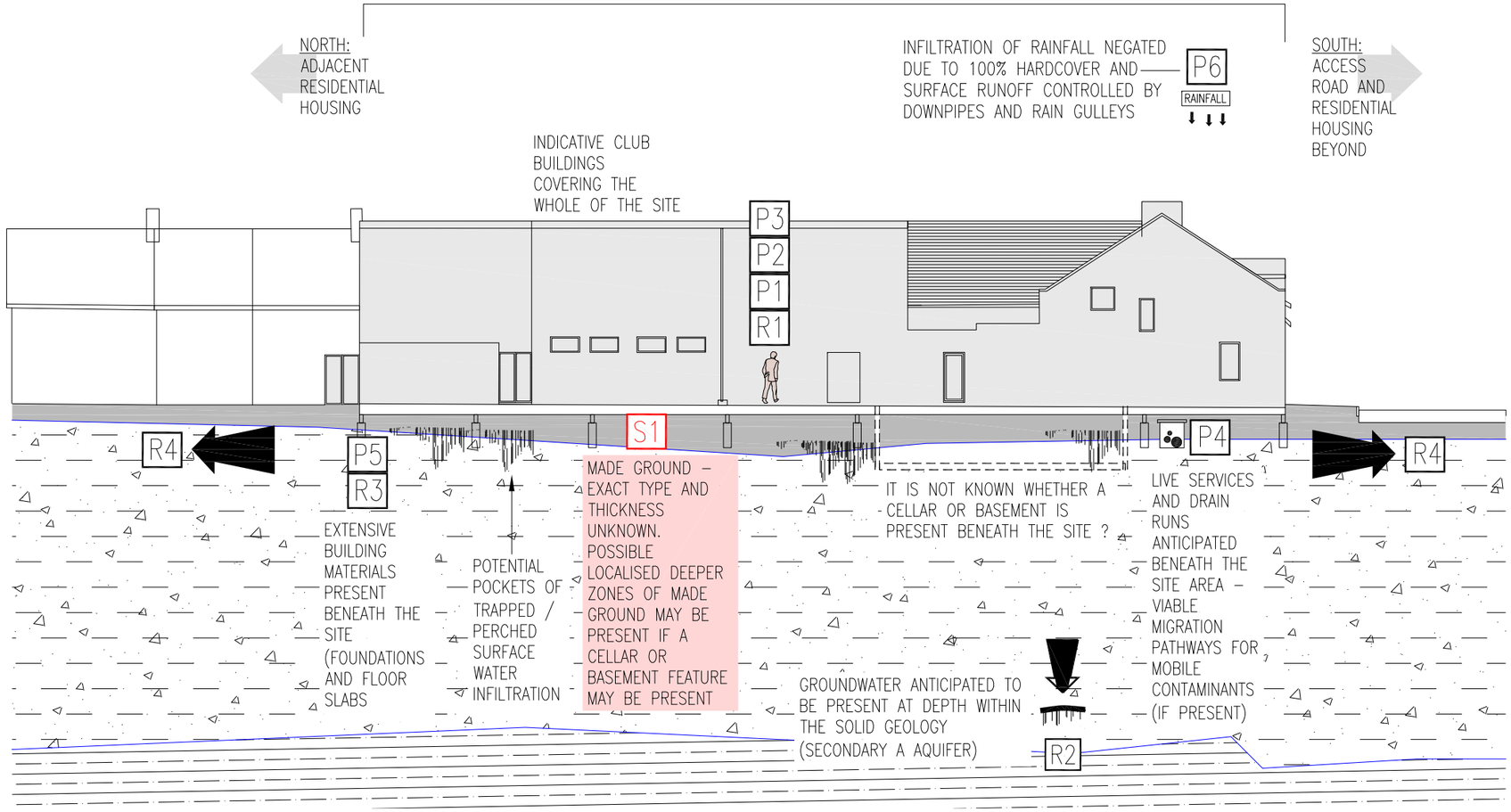
POSSIBLE POCKETS OF TRAPPED / PERCHED WATER

SITE SURFACING:
100% HARDCOVER (BUILDINGS)

CRITICAL POLLUTANT LINKAGES

SOURCE **S**	1. MADE GROUND ASSOCIATED WITH HISTORICAL DEVELOPMENT OF THE SITE.
PATHWAY **P**	1. INGESTION 2. INHALATION OF INDOOR / OUTDOOR AIR 3. DERMAL CONTACT 4. MIGRATION THROUGH EXISTING SERVICES 5. DIRECT CONTACT WITH BUILDING MATERIALS 6. INFILTRATION AND SURFACE RUNOFF
RECEPTOR **R**	1. HUMAN HEALTH (FUTURE SITE USERS AND CONSTRUCTION WORKERS) 2. GROUNDWATER (SECONDARY A AQUIFER) 3. BUILDING MATERIALS 4. ADJACENT SITES 5. FLORA AND FAUNA – RECEPTOR NOT PRESENT

SCHEMATIC VIEW OF SITE AS VIEWED FROM THE ADJACENT ROAD TO THE WEST



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rev.	date	amendments	drawn	chckd

Client:
MR KEVIN WASHBOURNE

Project Title:
Proposed Residential Development at
Boldon Colliery Working Mens Club
Station Road, Boldon Colliery, NE35 9HP

Drawing Title:
Conceptual Site Model

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	28.05.14	P.D	A.L

Job Ref:	Drg no:	Rev:
14–234	–	–