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

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

e-mail: admin@arc-environmental.com
www.arc-environmental.com

PHASE 1: DESK TOP STUDY & COAL MINING RISK ASSESSMENT

REPORT

GUS ROBINSON DEVELOPMENTS LTD

FORMER WEST BOLDON PRIMARY SCHOOL

NORTH ROAD

WEST BOLDON

TYNE AND WEAR

NE36 0QE

Project No: 17-179

Prepared By:

[redacted]

Date: 28/04/2017

Approved By: [redacted]

Date: 28/04/2017

The information and/or advice contained in this Phase 1: Desk Top Study and Coal Mining Risk Assessment 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.

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Appendix I	Location Plan, Aerial Photograph, Existing Site Layout and Proposed Development Layout Plans.
Appendix II	CON29M Non-Residential Mining Report.
Appendix III	Landmark Envirocheck Report.
Appendix IV	Conceptual Site Model.



1.0 Introduction April 2017

Arc Environmental Limited has been instructed by Portland Consulting, on behalf of Gus Robinson Developments, to undertake a Phase 1: Desk Top Study Report for a site known as West Boldon Primary School, located off North Road, within the district of West Boldon, Tyne and Wear. The proposed development will comprise the demolition of the existing building and the development of 14 No. residential dwellings and associated road infrastructure.

The primary objectives of this report are to assess the geological and potential land contamination conditions on and beneath the surface, and a Preliminary Conceptual Site Model (CSM) has been developed to define the scope and extent of any further investigation works deemed necessary, prior to commencing with any future redevelopment works.

A site walkover (reconnaissance survey) was completed as part of this report, with site photographs included within Appendix I, and all relevant observations noted in Section 2.1 below.

2.0 Physical Setting :-

2.1 Site Details:-

Table 2.1

Site Name & Address:	West Boldon Primary School, North Road, West Boldon, Tyne and Wear, NE36 0QE.
National Grid Reference:	436830, 513440 (representative for the central part of the site).
Description of Location:	The site is located off North Road, within the district of West Boldon, Tyne and Wear.
Site Boundaries:	N, E and W= Open communial areas, Directly to the east North Road. S = Don Gardens and residential housing.
Site Shape & Development Details:	The site is rectangular in shape, occupying a total area of c.0.83 Hectares (Ha). Proposals involve the demolition of the existing school building and development of 14 No. Residential dwellings.
General Topography:	On the northern and southern boundaries, the site slopes towards the north. The majority of the site is generally level. In the south eastern area of the site boundary there are several retaining walls present surrounding the existing building that is present. The site, from the walkover, looks to have areas of 'Cut and Fill'.
Site Surfacing:	The site is predominately covered with grassed areas. There are some areas of hardstanding surrounding the school building and where the school yard is. The area is still maintained due to the school still using the field for sports.
Above Ground Structures:	There is one above ground structure, the disused Boldon Primary School. The building occupies over half the site from the south eastern corner. The school is built over split levels as noticed during the reconnaissance walkover survey.
Sub-surface Structures & Services:	Several services are present within the boundary of the site ranging from drainage. Other services should be anticipated (gas, water, etc.) due to the site's previous occupation, and these should be assumed to still be live. Sub-surface structures could also be present associated with the demolition of the former abattoir and the current Boldon Primary School and further investigation should be undertaken. From plans provided it is shown that there is a sewer present running through the site.

3.0 Environmental Setting:-

3.1 Site Geology:-

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

- BGS Sheet 21, Sunderland, Solid & Drift Edition, 1:50,000 scale.
- BGS Sheet NZ36SW, Solid and Drift Edition, 1:10560 scale.
- CON29M Non-Residential Mining Report (ref. 51001395199001).
- ArcGIS Mapping

3.1.1 Made Ground:-

According to published BGS maps the site is not recorded to be underlain by a significant thickness of made ground deposits.

When considering the historical re-development, it is felt that made ground deposits of <1m in thickness may be present across the site, associated with the construction and demolition of buildings for the abattoir, hardstanding for car parking, and the construction of the former Boldon Primary School. Any made ground deposits present below the site are likely to comprise of natural deposits with anthropogenic debris i.e. brick, concrete, ash, etc.

Within the site there is evidence of areas of "Cut and Fill". In particular, the northern and western boundaries are significantly lower than surrounding land. Further evidence indicating "cut and fill", with retaining walls present close to the south eastern boundary of the site. There is also evidence of infilling within the site boundary to provide level playing fields. Surrounding the site there is also areas that have been infilled from previous historical uses i.e. quarries to the east of the site.

3.1.2 Drift Deposits:-

Based on maps produced by the BGS, the site is recorded to be underlain by the Pelaw Clay Member, which comprises of reddish brown to dark brown silty clay.

3.1.3 Solid Geology:-

The solid geology underlying the site is shown to comprise of two differing solid geologies. Firstly, the Upper Coal Measures (UCM), which comprise of interbedded grey mudstone, siltstone and pale grey sandstone with coal seams present. The UCM were deposited during the Carboniferous Period are located on the western portion of the site.

Finally, the south east of the site is underlain by the Yellow Sands Formation (YSF) were formerly the Basal Permian Sands, which comprise of generally uncemented or weakly cemented, mainly medium- and fine-grained, cross-stratified, yellow aeolian sand or sandstone. The YSF were deposited during the Permian Period.

3.2 Coal Mining Risk Assessment:-

According to the CA Interactive Map Viewer, the site lies within a Coal Mining Reporting Area, however the site does not lie in a Development High Risk Area.

3.0 Environmental Setting (Cont'd):-

3.2 Coal Mining Risk Assessment (Cont'd):-

To aid in this coal mining risk assessment, a Non-Residential Mining Report was obtained for this site from the CA (ref. 51001395199001), a copy of which is attached in Appendix II. From information included within the report, the site is within the likely zone of influence of past underground workings in 2 no. seams of coal from between c.440m and c.560m depth, and last worked in c.1953. The CA do not indicate that there is coal at or close to the surface, which may have been worked in the past.

In addition, the CA have confirmed that the site is not located within the boundary of an opencast site from which coal has been removed by opencast methods, and there are no known mine entries recorded within, or within 20m of the boundary of the site.

The two solid strata (UCM and YSF) within the site are split by a thin unnamed coal seam, which is not felt to be significant for the site.

When considering the geological and coal mining data reviewed, it is felt that the mechanisms for future ground subsidence and crown hole failures occurring at the surface in the future as a direct result of shallow coal mining activities below the site is deemed to be negligible, and as a result no further assessment or intrusive investigation works are required with regards to historical shallow coal mining activities.

3.3 Site Hydrogeology:-

Table 3.1

STRATA	Aquifer / Soil Leachability EA Classification	Comments
Made Ground:	Soils of a 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:	Unproductive Strata.	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.
Solid Geology:	Secondary Aquifer A (UCM) / Principal Aquifer (YSF).	Principal Aquifers are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide high level of water storage. They may support water supply and/or river base flow on a strategic scale.

- There is one Source Protection Zone (SPZ) within c.250m of the site boundary. This is located c.48m south east of the site at Fulwell. This is a Zone III total catchment area.
- There are no groundwater abstraction points recorded within c.500m of the site boundary.

3.4 Site Hydrology:-

Table 3.2

SURFACE WATER FEATURE	Location	Comments
GQA Classified River	One GQA classified river is recorded within c.250m of the site boundary.	The River Don, c.126m north west of the site boundary is classified as River Quality C.

3.0 Environmental Setting (Cont'd):-

3.4 Site Hydrology (Cont'd):-

Table 3.2

SURFACE WATER FEATURE	Location	Comments
Flooding	The site does not fall within the designated Flood Zone II & III.	Although the site does not fall within the designated Flood Zone II & III, an area north west of the site where the River Don flows, is impacted by Zone II flooding. Therefore it is recommended that further consultation with the LA and EA should be made with respect to the potential for flood events in this area and to establish local knowledge of periodic flooding, standing water or poor drainage problems.
Surface Water Flooding (Site Walkover/Envirocheck Report)	Onsite.	Whilst, the majority of the site is shown to lie outwith areas at risk of surface water flooding from the 30, 100 & 1000 year return events, there is a small area of medium to high risk risk of flooding (30 & 100 year return events) located to the south east of the site. Appropriate surface water management will need to adopted to deal with the future management of positively drained surface water. During the site walkover, no areas of standing surface water were noted.
RAINFALL	**Measurements (mm)**	**Comments**
Annual	597.2	Based on 'station average' records from the closest weather station in Tynemouth, dated from 1981-2010.
Precipitation, January	45.5	
Precipitation, July	47.6	

3.5 Radon Assessment:-

The site lies in a lower probability radon area, with 1 to 3% of homes are at or above the action level, in accordance with the BGS, National Geoscience Information Service and their assessment suggests that the site does not require radon protection measures for new dwellings.

This corresponds with the BRE Digest, BR212 (2015) Radon: Guidance on Protective Measures for New Buildings, where the site is situated within a clear grid square (1km), and therefore confirms no radon protective measures are required for the site.

3.6 Site Ecology:-

Table 3.3

FEATURES	Location	Comments
Areas of Adopted Green Belt	One area recorded within c.250m.	Located c.156m south of the site boundary, The Core Strategy for South Tyneside Metropolitan Borough Council, Planning Department was adopted as of 30th June 2007.
Nitrate Vulnerable Zone	None recorded within c.250m.	~

At this stage, and from the site walkover survey undertaken, it is not felt that the site is affected by the presence of invasive weed species (i.e. Japanese Knotweed). Whilst these invasive weed species will be currently in the dormant/hibernation period (typically between October and April). However, site awareness during future investigation works and during the construction phase for any potential invasive weed species would be considered prudent.

3.0 Environmental Setting (Cont'd):-

3.7 Estimated Soil Chemistry:-

Data provided by the BGS in relation to estimated soil chemistry for a number of key metals and metalloid elements are summarised in Table 3.3 below. Note; the references to the anticipated background concentrations of contaminants, sourced from the BGS, should not be relied upon. They are not site-specific and do not represent the condition of the ground at the proposed development site.

Table 3.3

Element	Location	Estimated Soil Concentrations (mg/kg)
Arsenic	On site	<15
Cadmium	On site	<1.8
Chromium (total)	On site	90 - 120
Lead	On site	<100
Nickel	On site	15-30

4.0 Industrial Setting:-

4.1 Site History:-

Copies of Ordnance Survey maps covering this site area and adjacent land are included in Appendix III, and a summary of the site history based on these maps is given in Table 4.1 below and continues on the following page.

Table 4.1

Date	Site	Adjacent Areas
c.1862	The site has **buildings** present on the southern boundary. These buildings are suggestive of farm buildings	East of the site, c.100m old **quarries** are present. A **railway** line, part of the North Eastern Railway runs in a north south direction c.500m west of the site boundary. located c.450m south of the site another **disused quarry** is also present. Surrounding the site to the south and south east, there has been some development for residential dwellings.
c.1896 – c.1897	No significant change.	No significant change. c.80m south west of the site there a **old quarry**. **School** built close to **old quarry** east of the site.
c.1898	No significant change.	No significant change. Located c.400m west of the site, a **brickworks** has been developed close to **clay pits.**
c.1898	No significant change.	Further urbanisation has occurred south and to the north of the site boundary.
c.1919 – c.1938	No significant change.	No significant change.
c. 1939	The **building** on site has become an **abattoir**.	No significant change. School to the south east has **extended** and **developed** buildings within **old quarry**.
c.1951 – c.1952	No significant change.	No significant change. Further urbanisation has occurred to the north of the site.
c. 1956 – c.1958	There are **two sets of ruins** within the site boundary.	No significant change.
c. 1967 – c. 1968	No significant change.	Further urbanisation with residential buildings to north east and east of the site. Former **old quarry** to the east marked as **"Active Workings"** although no significant change of features is recorded.

4.0 Industrial Setting (Cont'd):-

4.1 Site History (Cont'd):-

Table 4.1 (Cont'd)

Date	Site	Adjacent Areas
c.1974	The **Abattoir** has been **demolished** and **Boldon CE Primary School** has been constructed with playing field and hard standing. Areas of **"cut and fill"** are evident with **slopes** to northern and western boundaries. The playing field also has indications of **infilling** to make the playing area level. **Retaining walls** are present on the southern boundary of the site, close to the existing building.	Quarry to the east has become disused. **Railway** to the west of the has become **dismantled.**
c. 1981 – c.1988	No significant change.	School buildings within **old quarry** have been **demolished**.
c.1993	No significant change.	New residential development present within **old quarry** to east of the site boundary.
c.2000 – c.2017	No significant change. From the walkover survey, the **school** is **disused** and has been boarded up. The school field is still in use.	No significant change.

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

4.2 Landfill & Waste:-

The following information relating to Landfill and Waste has been obtained from the Envirocheck Report (attached in Appendix IV);

- There are no active BGS Recorded Landfill Sites, Registered Landfill Sites, Local Authority Landfill Sites, Historical Landfill Sites, Licensed Waste Management Facilities recorded within c.250m of the site.
- Made ground is expected beneath the site with various areas of "cut and fill" present. This is evident of the north and western boundaries where the land is significantly lower than the rest of the site.
    - Retaining walls are also present close to the south-east boundary of the site indicating areas of cutting from original site levels has occured.
    - Playing fields and hard standing areas indicate that infilling has also occurred to make the playing areas level.
- Locally, infilling of historical quarries to the east and south east of the site boundary could be infilled with made ground and could therefore be a potential for ground gas migration to within the site.

Following a review of OS maps and other site specific data, it would be considered prudent to undertake a program of ground gas monitoring for this site, in accordance with current guidance (CIRIA C665, 2007), in order to confirm the ground gas regime below the site, and this should be incorporated into the design of the proposed intrusive investigation works.

4.3 Statutory Requirements / Authorisations:-

Table 4.2

TYPE	Location	Comments
Pollution Prevention and Controls	None recorded within c.250m.	~
Registered Radioactive Substances	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
Prosecutions Relating to Authorised Processes	None recorded within c.250m.	~
Enforcement and Prohibition Notices	None recorded within c.250m.	~
Planning Hazardous Substances Consents / Enforcements	None recorded within c.250m.	~
COMAH/NIHHS Sites	None recorded within c.250m.	~
Contemporary Trade Entries	Four entries recorded within c.250m.	Four contemporary trade entries are present within c.250m of the site. The entries are all however, classified as inactive.
Fuel Station Entries	One recorded within c.250m.	There is one fuel station entry within c.250m of the site. Located c.211m south east of the site at Bank Top Garage (Springfield), this site is classified as obsolete.

4.4 Pollution Incidents and Discharge Consents:-

Table 4.3

TYPE	Location	Comments
Discharge Consents	None recorded within c.250m of the site boundary.	~
Water Industry Act Referrals	None recorded within c.250m.	~
Prosecutions Relating to Controlled Waters	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters	One recorded within c.250m of the site boundary	The closest Pollution Incident to Controlled Waters is located c.186m north west of the site boundary. The pollutant and cause of the incident was unknown. The receiving water was freshwater stream/river and the incident was categorised as a Category 2 – Significant Incident.
Substantiated Pollution Incident Register	None recorded within c.250m.	~

5.0 Preliminary Risk Assessment Summary:-

5.1 Preliminary Conceptual Site Model (CSM):-

The Conceptual Site Model (CSM) is one of the primary planning tools that can be used to support the decision making process of managing contaminated land and groundwater on any given site, and allows a better understanding of what needs to be done to achieve risk management, and from this appropriate remediation techniques, if required for those risk management goals can be chosen.

This can be done by undertaking a *source-pathway-receptor* analysis of the site. The anticipated *sources*, *pathways* and *receptors* for this site are summarised in Table 5.1 on the following page, and a graphical representation can be seen within Appendix IV.

5.0 Preliminary Risk Assessment Summary (Cont'd):-

5.1 Preliminary Conceptual Site Model (CSM) (Cont'd):-

Table 5.1

	Sources (S)
S1	Made ground associated with the construction and demolition of buildings present within the site boundary including local infill to provide level playing areas and areas of "cut and fill".
S2	Possible ground gases from onsite and offsite sources.
S3	Contaminants from the previous site uses including an abattoir.

	Pathways (P)
P1	Ingestion and Dermal contact.
P2	Inhalation of indoor / outdoor air.
P3	Plant Uptake and attached soil.
P4	Migration through existing services.
P5	Direct contact with building materials.
P6	Surface run off and leachate Migration.

	Receptors (R)
R1	Human health (End users and construction workforce).
R2	Groundwater within the Secondary Aquifer A and Principal Aquifer within the solid geological deposits.
R3	Building materials*.
R4	Adjacent sites.
R5	Flora and fauna*.

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

5.2 Geotechnical Considerations:-

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

- Actual depth, origin, variability and condition of made ground on site (where present).
- Geotechnical parameters of drift geological deposits of the Pelaw Clay Member.
- Possible variable solid geology with the UCM and YSF present on site. These strata comprise of interbedded grey mudstone, siltstone and pale grey sandstones with coal seams present and uncemented or weakly cemented, mainly medium- and fine-grained sands and sandstones respectively. With the variability of the strength and quality of the geology it may be problematic if shallow rock is evident within the site.
- The presence of underground services (i.e. Gas, Water, Electricity, etc.). The presence of a sewer which is running across the site should also be taken into consideration.
- Control of surface drainage and the suitability of underlying deposits for utilising sustainable drainage systems.
- Stability of excavations if localised significant thickness of made ground are present below the site.

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

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

5.3 Sources of Contamination and Probable Contaminants:-

The historical OS maps, the Landmark Envirocheck Report and other environmental information revealed that buildings were present on site from as early as c.1862. These buildings were probably part of a farm.

5.0 Preliminary Risk Assessment Summary (Cont'd):-

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

By c.1939, the existing building had become an abattoir. The abattoir had been demolished and Boldon Primary School had been constructed by c.1974.

When the site walkover and reconnaissance survey was undertaken, it was noted the school was disused and had been boarded up for safety. The grounds are still maintained and used as a playing field.

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

- Made ground associated with the development of the site; construction of West Boldon Primary School, construction and demolition of the Abattoir, and areas of car parking and hardstanding.
- Made ground associated with areas of "cut and fill", in particular areas close to the northern and western boundaries where slopes are present and ground level significantly lower than surrounding site, infilling of the playing fields to make them level and retaining walls close to the southern boundary where material has been removed.
- Possible ground gases from on and off-site sources.

In addition to the above, the following potential contaminant issues are suspected:-

- Abattoir works onsite as stated within historical maps. The DOE Industry Profile – 'Animal and Animal Products Processing Works' suggests likely contamination sources of solvents, detergents and bleaches, hydrocarbons, acids and alkalis and pathogens. Pathogens unlikely to be an issue as site has not been used as an abattoir since before c.1974.

It is therefore concluded that ground contamination screening will need to be incorporated into the design of any future intrusive investigation works to confirm the risks posed towards Human Health (future end users).

In addition, laboratory testing should also be undertaken on representative samples taken from site for naturally aggressive chemicals which could have a detrimental effect on building materials (i.e. pH value and soluble sulphate, etc.).

In consideration of the previous comments and when taking into account the guidance contained in the DEFRA and EA Contaminated Land Reports, it would be prudent to test samples of soil from this site for a range of contaminants, as shown below.

Soils – Human Health;

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

During the investigation works, if any deleterious or malodourous materials are encountered (i.e. unforeseen contamination, ash, fuel/oil, etc.) then targeted assessment of these materials should be undertaken. However, for completeness and to confirm any risks posed to human health, additional contamination testing for Speciated Polycyclic Aromatic Hydrocarbons (PAH's) and Speciated Total Petroleum Hydrocarbons (TPH's) should also be undertaken.

5.0 Preliminary Risk Assessment Summary (Cont'd):-

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

When considering the age of the historical and existing developments (pre-1999), as well as the presence of demolition type rubble within the made ground deposits, these types of materials can typically contain undetected asbestos fibres /asbestos containing materials, and therefore asbestos screening should be undertaken.

Due to the potential for historical contaminants being present from previous uses of the site, testing for appropriate contaminants as detailed in the relevant DOE Industry Profiles should also be undertaken.

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

Groundwater / Leachate – Controlled Waters;

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

- A shallow continuous groundwater surface is not anticipated below the site.
- Deep groundwater beneath the site has been classified as both a Secondary Aquifer – A (UCM) and a Principal Aquifer (YSF) associated within the underlying solid geology.
- The site is recorded within c.250m of a Source Protection Zone (SPZ).
- There is one GQA Classified River (River Don) located within c.250m of the site.
- There are no Water Abstractions recorded within c.500m of the site.

The information reviewed indicates that the site can be considered as being located within a **LOW** ground contamination risk setting for Controlled Waters, due to the lack of significant sources anticipated.

6.0 Recommendations for Phase 2 Intrusive Investigation Works:-

When considering the anticipated ground conditions, and if development works are to commence in the near future, it is recommended that a Phase 2: Ground Investigation (intrusive investigation) is completed for this site to determine the ground conditions below the site with more certainty. Any ground investigation should be completed prior to commencing with any future developments and should include for the following, or similar scope of investigation works;

- A series of boreholes, including in-situ geotechnical testing (SPT's, shear strength, CBR's, etc.) and sampling to help aid with future foundation design and to collect samples for subsequent laboratory testing.
- Concrete coring to undertake internal investigations to prove slab and fill thickness below existing structure.
- Installation of combined ground gas & groundwater monitoring wells accompanied by an appropriate number of monitoring visits (in accordance with CIRIA C665), in order to determine the ground gas regime below the site.
- Variable Falling Head Tests within monitoring wells to ascertain the potential for SuDS within the site boundary.

6.0 Recommendations for Phase 2 Intrusive Investigation Works (Cont'd):-

- Appropriate geotechnical laboratory testing. (i.e. liquid and plastic limit testing, pH & soluble sulphate testing, etc.).
- Laboratory contamination screening on selected samples of made ground (where present) and topsoil materials recovered from the site to assess the risks to Human Health, typical contaminants detailed in section 5.3. The samples of soil collected should also be forwarded to UKAS and MCERTS accredited laboratory to undertake the recommended testing.
- Groundwater/Leachate contamination screening on selected samples if elevated levels in the soils are recorded.
- Site supervision and production of factual and interpretive Phase 2: Ground Investigation Report, including a Level 1 Ground Contamination Risk Assessment for Human Health and Controlled Waters.

Prior to site investigation works commencing on site, all existing utilities/services should be identified and recorded, such that any potential damage to services crossing the site can be prevented, as well as ensuring the health and safety of future site workers.

END OF REPORT

GENERAL REFERENCES

- British Geological Survey: Maps, Reports, Memoirs, etc.
  - BGS Sheet 21, Sunderland, Solid & Drift Edition, 1:50,000 scale.
  - BGS Sheet NZ36SW, Solid and Drift Edition, 1:10560 scale.
  - CON29M Non-Residential Mining Report (ref. 51001395199001).
  - ArcGIS Mapping
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- Assessing Risks Posed by Hazardous Ground Gases to Buildings, CIRIA C665, 2007.
- BS8485: 2015: Code of Practise for the Characterization and Remediation from Ground Gas in Affected Developments.
- CIRIA Report C624 'Development and flood risk – guidance for the construction industry' and Planning Policy Statement 25 (PPS25).
- CIRIA Report C733 'Asbestos in Soil and Made Ground: a guide to understanding and managing risks'.
- Department of the Environment Industry Profile Report : Animal and Animal Products Processing Works

APPENDIX I

Location Plan

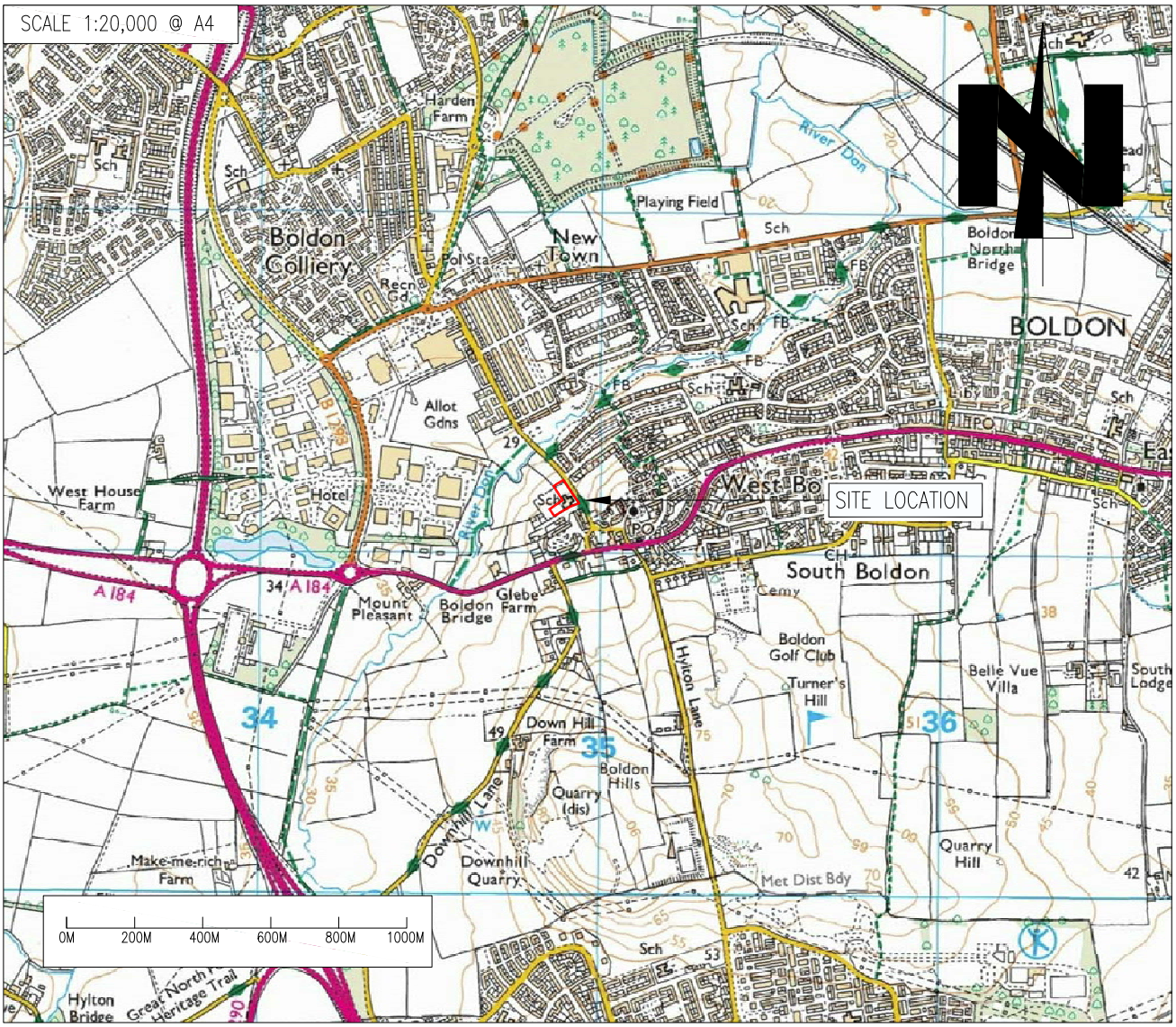
Aerial Photograph

Existing Site Layout Plan

Proposed Site Development Plans

Site Observations - Photographic Record Sheets

SCALE 1:20,000 @ A4



Client:

GUS ROBINSON DEVELOPMENTS LTD

Project Title:	Drawing Title:
Former West Boldon Primary School North Road, West Boldon Tyne & Wear, NE36 0QE	Location Plan

rev.	date	amendments	drawn	chckd

Job Reference:	Drawing Number:	Revision:
17-179	-	-

Drawn by:	Date:	Scale at A4:
P.D	18.04.17	As Shown

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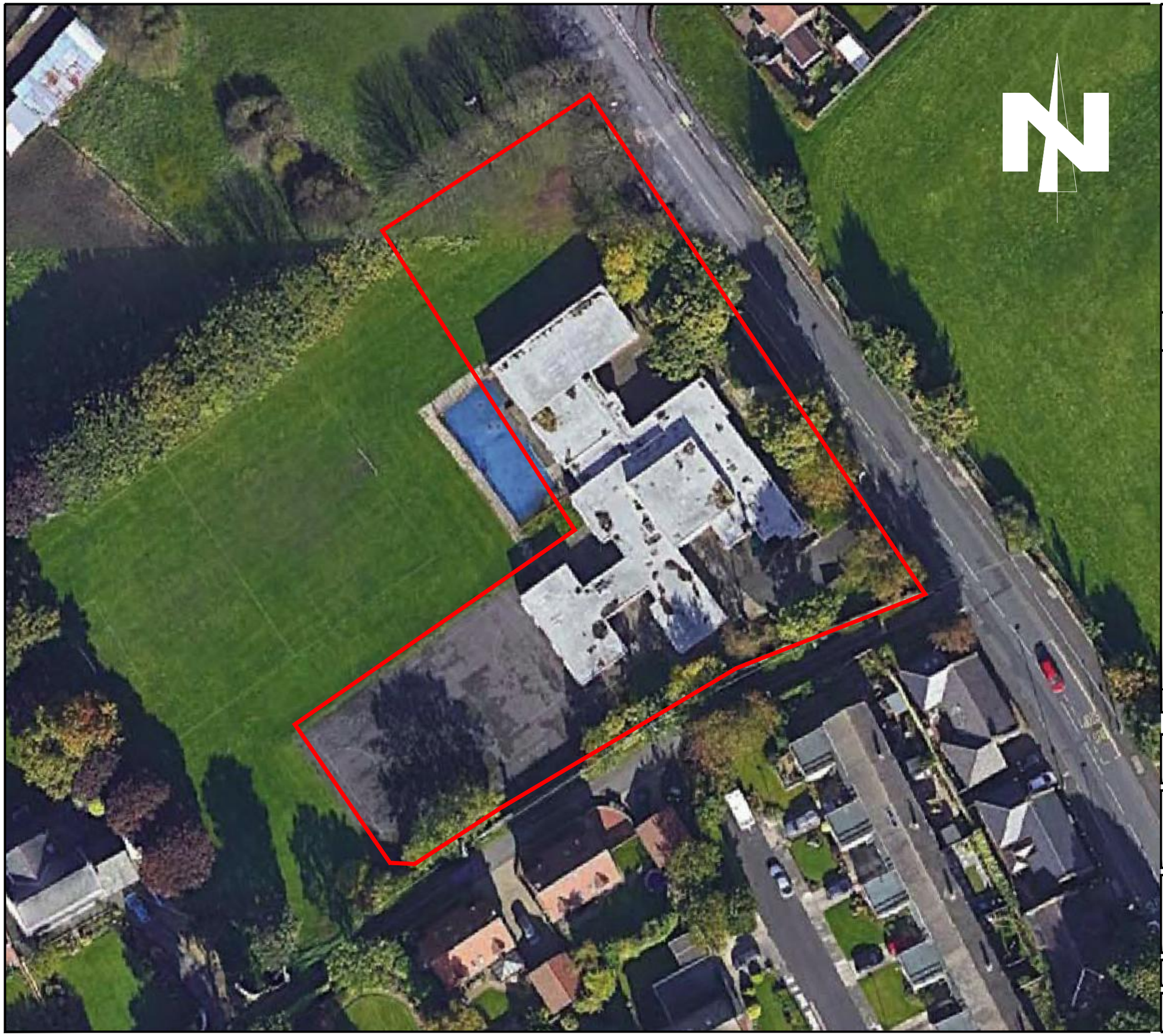
Solum House
Unit 1 Elliott Court
St. John's Road
Meadowfield
Durham
DH7 8PN
Tel: (0191) 378 6380
Fax: (0191) 378 0494
e-mail: admin@arc-environmental.com
web: www.arc-environmental.com



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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

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LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

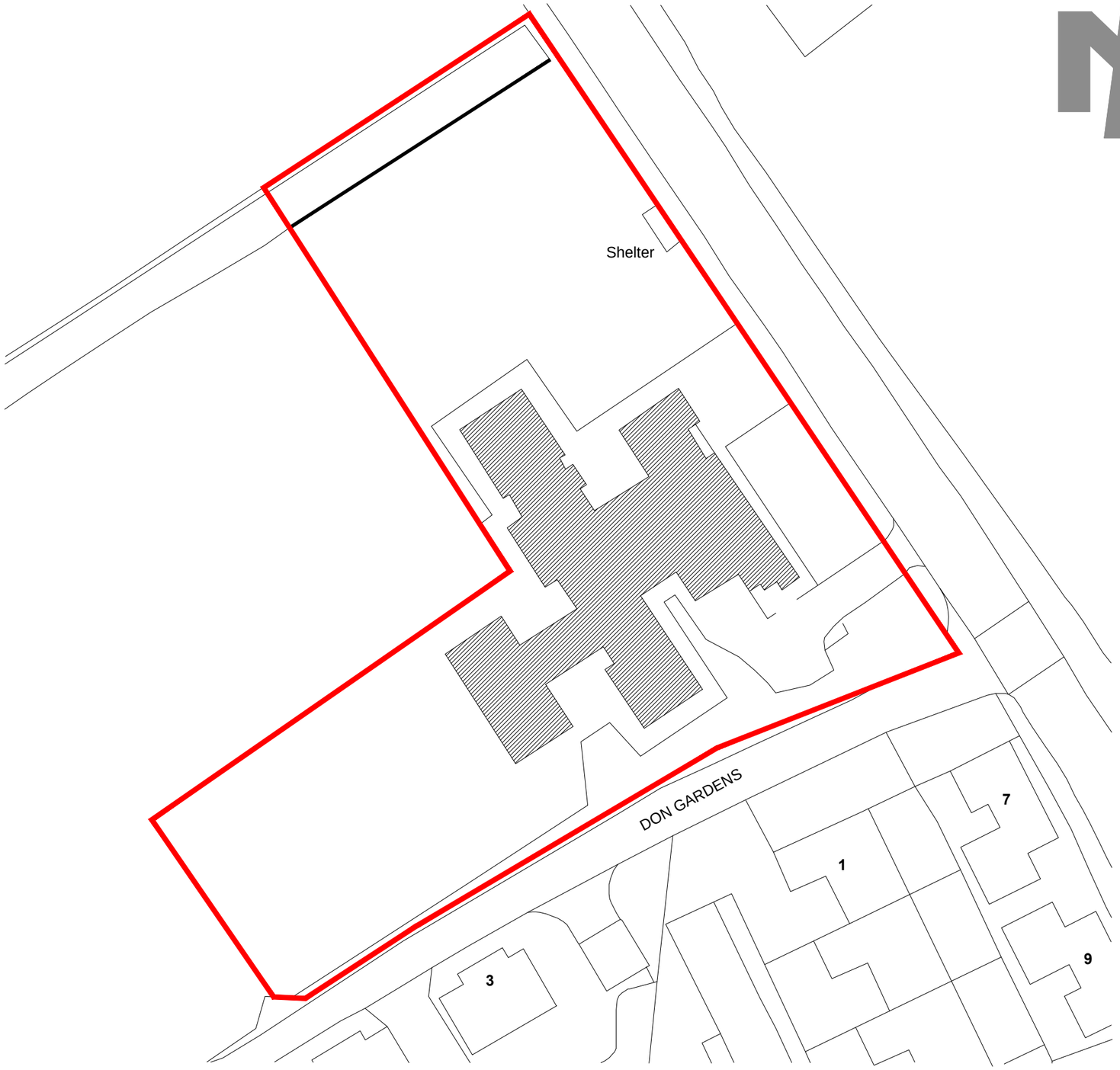
Client: **GUS ROBINSON DEVELOPMENTS LTD**

Project Title:
Former West Boldon Primary School
North Road, West Boldon
Tyne & Wear, NE36 0QE

Drawing Title:
Aerial Photograph

Scale at A3:	Date:	Drawn by:	Approved by:
1:500 @ A3	13.04.17	P.D	M.H

Job Ref:	Drg no:	Rev:
17-179	–	–



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LEGEND

	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

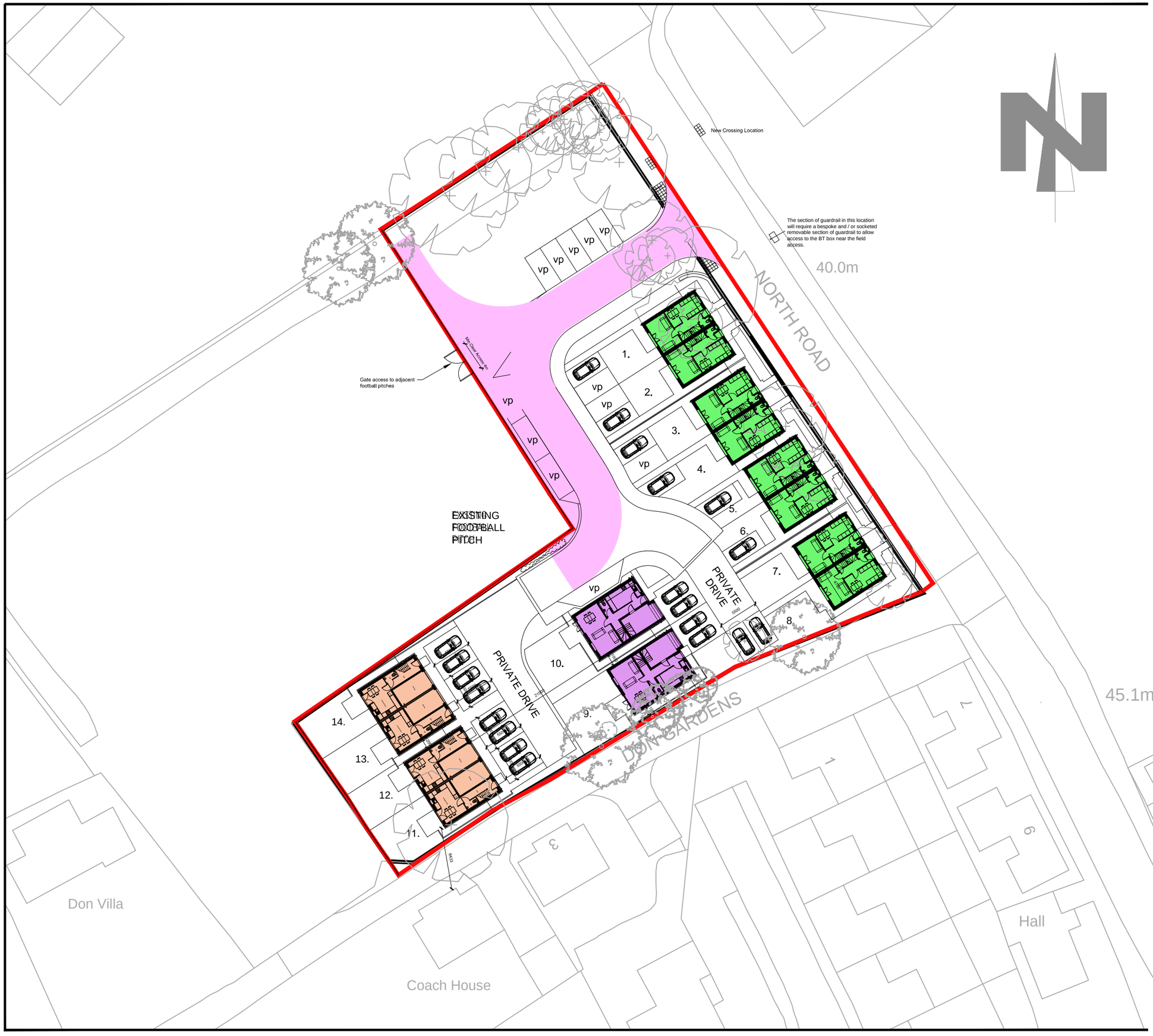
Client: **GUS ROBINSON DEVELOPMENTS LTD**

Project Title:
Former West Boldon Primary School
North Road, West Boldon
Tyne & Wear, NE36 0QE

Drawing Title:
Existing Site Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
1:500 @ A3	13.04.17	P.D	M.H

Job Ref:	Drg no:	Rev:
17-179	–	–



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LEGEND

	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd
01	19.08.19	REVISED LAYOUT INCLUDED	P.D	D.M

Client: **GUS ROBINSON DEVELOPMENTS LTD**

Project Title:
Former West Boldon Primary School
North Road, West Boldon
Tyne & Wear, NE36 0QE

Drawing Title:
Proposed Development Layout Plan

Scale at A3:	Date:	Drawn by:	Approved by:
1:500 @ A3	13.04.17	P.D	M.H

Job Ref:	Drg no:	Rev:
17-179	–	01




PLATE 1


PLATE 2


PLATE 3


PLATE 4


PLATE 5

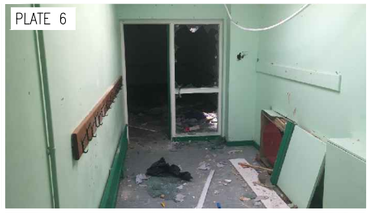
PLATE 6


PLATE 7


PLATE 8


PLATE 9


PLATE 10


PLATE 11


PLATE 12


PLATE 13


PLATE 14


PLATE 15


PLATE 16


PLATE 17

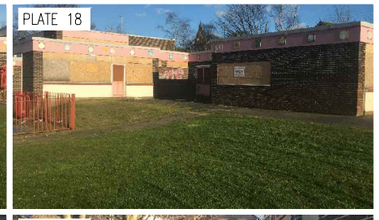
PLATE 18


PLATE 19

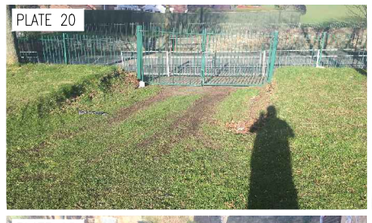
PLATE 20


PLATE 21


PLATE 22


PLATE 23


PLATE 24


PLATE 25


PLATE 26


PLATE 27

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web: www.arc-environmental.com

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SITE INFORMATION:

- THE SITE IS LOCATED OFF NORTH ROAD, WITHIN THE DISTRICT OF WEST BOLDON, TYNE AND WEAR.N, E AND W= OPEN COMMUNIAL AREAS, DIRECTLY TO THE EAST NORTH ROAD. S = DON GARDENS STREET AND RESIDENTIAL HOUSING.THE SITE IS RECTANGULAR IN SHAPE, OCCUPYING A TOTAL AREA OF C.0.83 HECTARES (HA)
- PROPOSALS INVOLVE THE DEMOLITION OF THE EXISTING SCHOOL BUILDING AND DEVELOPMENT OF 16 NO. RESIDENTIAL DWELLINGS
- ON THE NORTHERN AND SOUTHERN BOUNDARIES, THE SITE SLOPES TOWARDS THE NORTH. THE MAJORITY OF THE SITE IS GENERALLY LEVEL
- IN THE SOUTH EASTERN AREA OF THE SITE BOUNDARY THERE ARE SEVERAL RETAINING WALLS PRESENT SURROUNDING THE EXISTING BUILDING THAT IS PRESENT
- THE SITE, FROM THE WALKOVER LOOKS TO HAVE AREAS OF 'CUT AND FILL'.
- THE SITE IS PREDOMINATELY COVERED WITH GRASSED AREAS. THERE ARE SOME AREAS OF HARDSTANDING SURROUNDING THE SCHOOL BUILDING AND WHERE THE SCHOOL YARD IS
- THE AREA IS STILL MAINTAINED DUE TO THE SCHOOL STILL USING THE FIELD FOR SPORTS.THERE IS ONE ABOVE GROUND STRUCTURE, THE DISUSED BOLDON CE PRIMARY SCHOOL
- THE BUILDING OCCUPIES OVER HALF THE SITE FROM THE SOUTH EASTERN CORNER. THE SCHOOL IS BUILT OVER SPLIT LEVELS AS NOTICED DURING THE RECONNAISSANCE WALKOVER SURVEY
- SEVERAL SERVICES ARE PRESENT WITHIN THE BOUNDARY OF THE SITE RANGING FROM DRAINAGE, LAMP-POSTS, AND OVERHEAD BT CABLES. OTHER SERVICES SHOULD BE ANTICIPATED (GAS, WATER, ETC.) DUE TO THE SITE'S PREVIOUS OCCUPATION, AND THESE SHOULD BE ASSUMED TO STILL BE LIVE
- SERVICE INFORMATION SHOULD BE OBTAINED PRIOR TO UNDERTAKING ANY INTRUSIVE WORKS
- SUB-SURFACE STRUCTURES COULD ALSO BE PRESENT ASSOCIATED WITH THE DEMOLITION OF THE FORMER CHILDREN'S SOCIAL SERVICES OFFICES AND FURTHER INVESTIGATION SHOULD BE UNDERTAKEN.

rev.	date	amendments	drawn	chckd

Client:
GUS ROBINSON DEVELOPMENTS LTD

Project Title:
Former West Boldon Primary School
North Road, West Boldon
Tyne & Wear, NE36 0QE

Drawing Title:
Site Photographic Record Sheet (1)

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	13.04.17	P.D	M.H

Job Ref:	Drg no:	Rev:
17-179	–	–

APPENDIX II

CON29M Non-Residential Mining Report

The Coal Authority

Resolving the impacts of mining

CON29M Non-Residential Mining Report





BOLDON CE PRIMARY SCHOOL
RECTORY BANK
WEST BOLDON
TYNE & WEAR



Date of enquiry:	10 March 2017
Date enquiry received:	10 March 2017
Issue date:	10 March 2017
Our reference:	51001395199001
Your reference:	117253263_2|

CON29M Non-Residential Mining Report

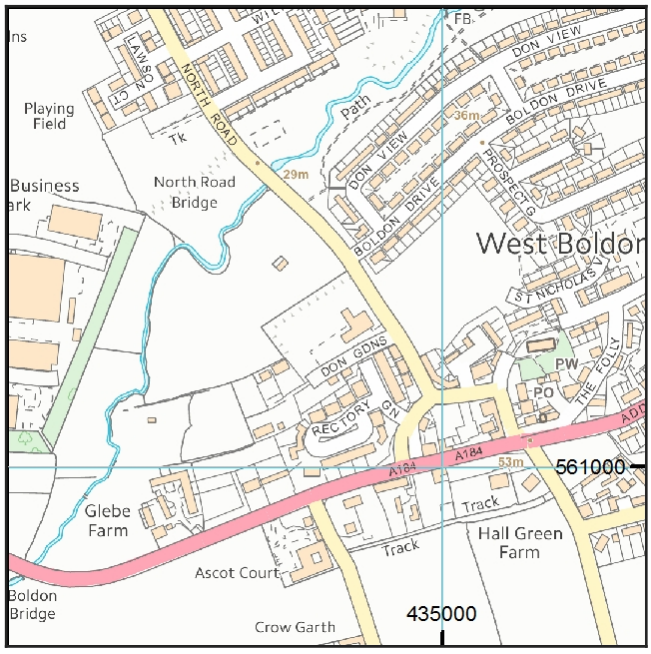
This report is based on, and limited to, the records held by the Coal Authority and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Client name

LANDMARK INFORMATION GROUP LIMITED

Enquiry address

BOLDON CE PRIMARY SCHOOL, RECTORY BANK, WEST BOLDON, TYNE & WEAR



Approximate position of property

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0345 762 6848 (UK)
+44 (0)1623 637 000 (International)

200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

/company/the-coal-authority
/thecoalauthority
/coalauthority

Summary

Has the search report highlighted evidence or potential of		
1	Past underground coal mining	Yes
2	Present underground coal mining	No
3	Future underground coal mining	Yes
4	Mine entries	No
5	Coal mining geology	No
6	Past opencast coal mining	No
7	Present opencast coal mining	No
8	Future opencast coal mining	No
9	Coal mining subsidence	No
10	Mine gas	No
11	Hazards related to coal mining	No
12	Withdrawal of support	No
13	Working facilities order	No
14	Payments to owners of former copyhold land	No
15	Information from the Cheshire Brine Subsidence Compensation Board	No

For detailed findings, please go to page 4.

Detailed findings

1. Past underground coal mining

The property is in a surface area that could be affected by underground mining in 2 seams of coal at 440m to 560m depth, and last worked in 1953.

Any movement in the ground due to coal mining activity should have stopped.

2. Present underground coal mining

The property is not within a surface area that could be affected by present underground mining.

3. Future underground coal mining

The property is not in an area where the Coal Authority has plans to grant a licence to remove coal using underground methods.

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

The property is not in an area likely to be affected from any planned future underground coal mining.

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

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

4. Mine entries

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

5. Coal mining geology

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

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

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

8. Future opencast coal mining
There are no licence requests outstanding to remove coal by opencast methods within 800 metres of the boundary.

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.

9. 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 31 October 1994.

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

The Coal 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.

10. Mine gas
The Coal Authority has no record of a mine gas emission requiring action.

11. 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.

12. Withdrawal of support
The property is not in an area where a notice to withdraw support has been given.

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

13. Working facilities order
The property is not in an area where 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.

14. Payments to owners of former copyhold land

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

15. Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional remarks

Information provided by the Coal Authority in this report is compiled in response to the Law Society's Con29M Coal Mining and Brine Subsidence Claim enquiries. The said enquiries are protected by copyright owned by the Law Society of 113 Chancery Lane, London WC2A 1PL. Please note that Brine Subsidence Claim enquiries are only relevant for England and Wales. 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 applicable at the time the report was produced.

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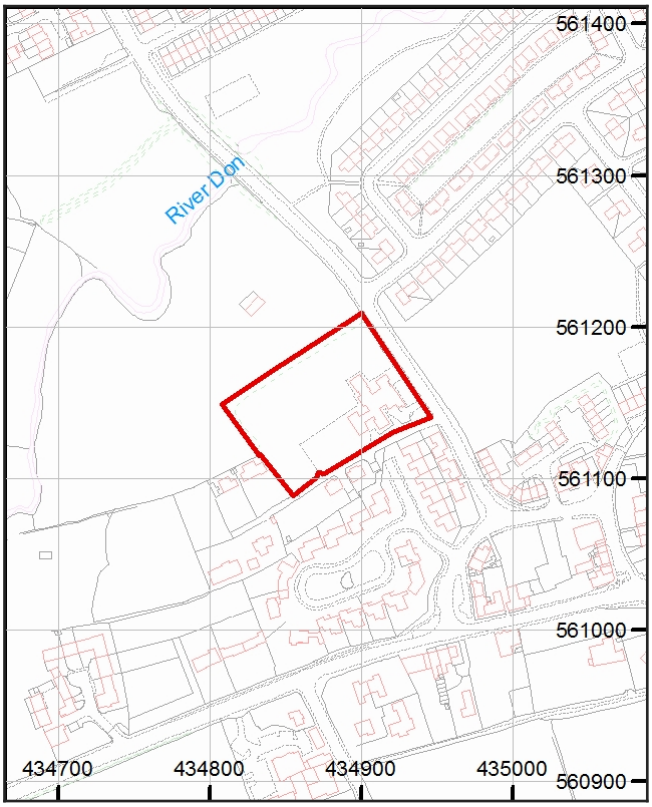
Alternative formats

If you would like this report in an alternative format, please contact our communications team.

Enquiry boundary

Key

Approximate position of enquiry boundary shown



Map data

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+44 (0)1623 637 000 (International)

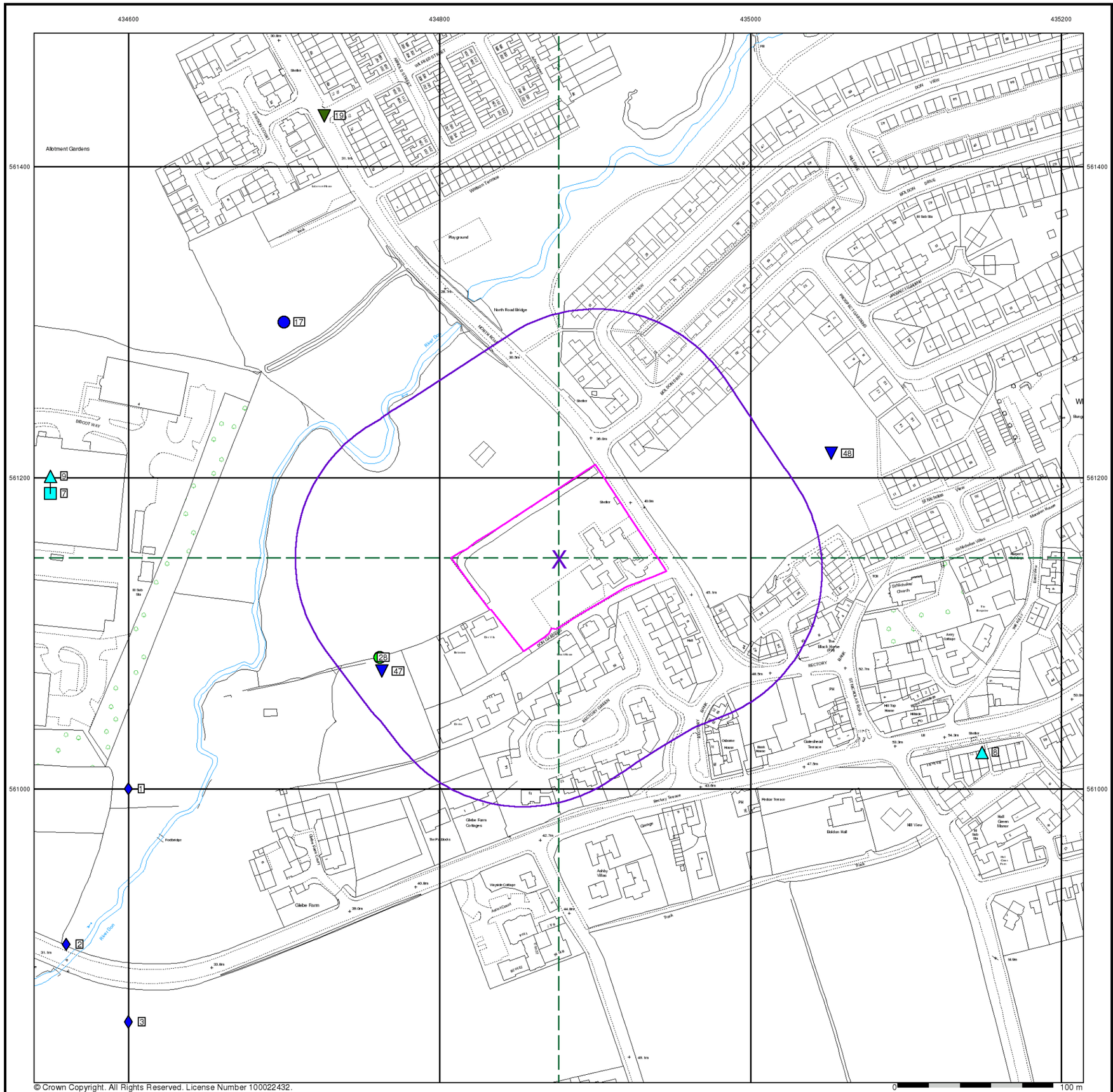
200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

www.groundstability.com

/company/the-coal-authority
/thecoalauthority
/coalauthority

APPENDIX III

Landmark Envirocheck Report



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General

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

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

Hazardous Substances

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

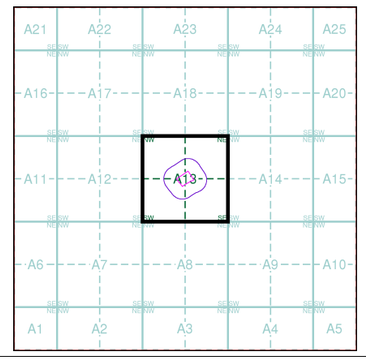
Geological

- BGS Recorded Mineral Site

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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

Site Sensitivity Map - Segment A13



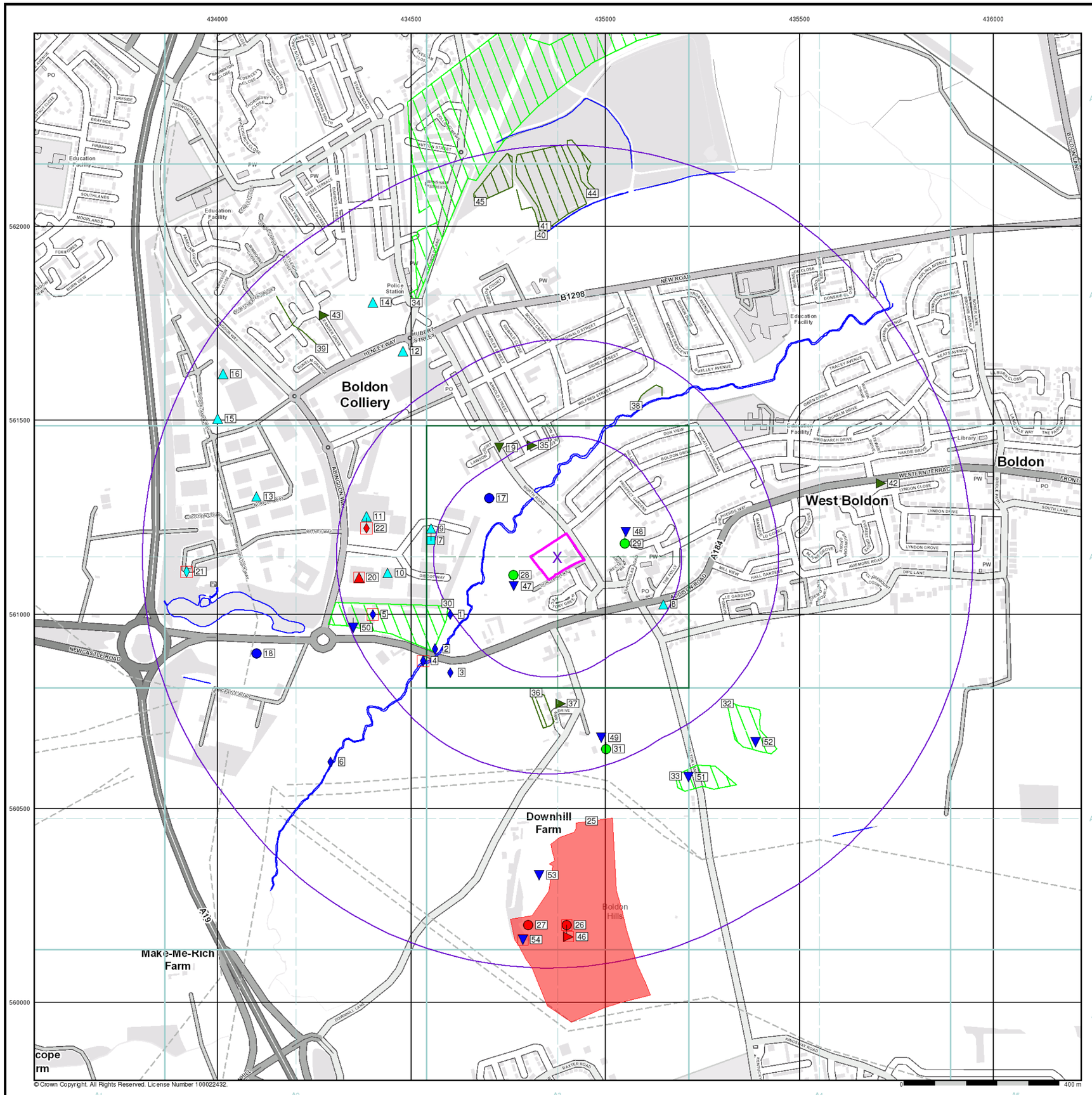
Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Plot Buffer (m):	100

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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



General

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

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
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- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
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- Water Abstraction
- Water Industry Act Referral

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- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

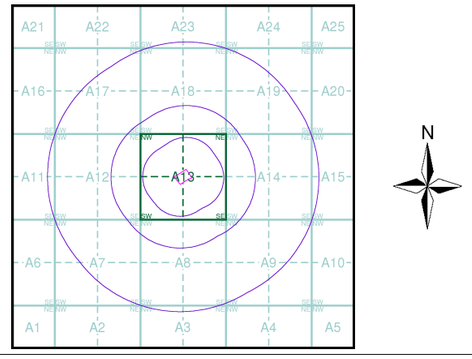
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A



Order Details

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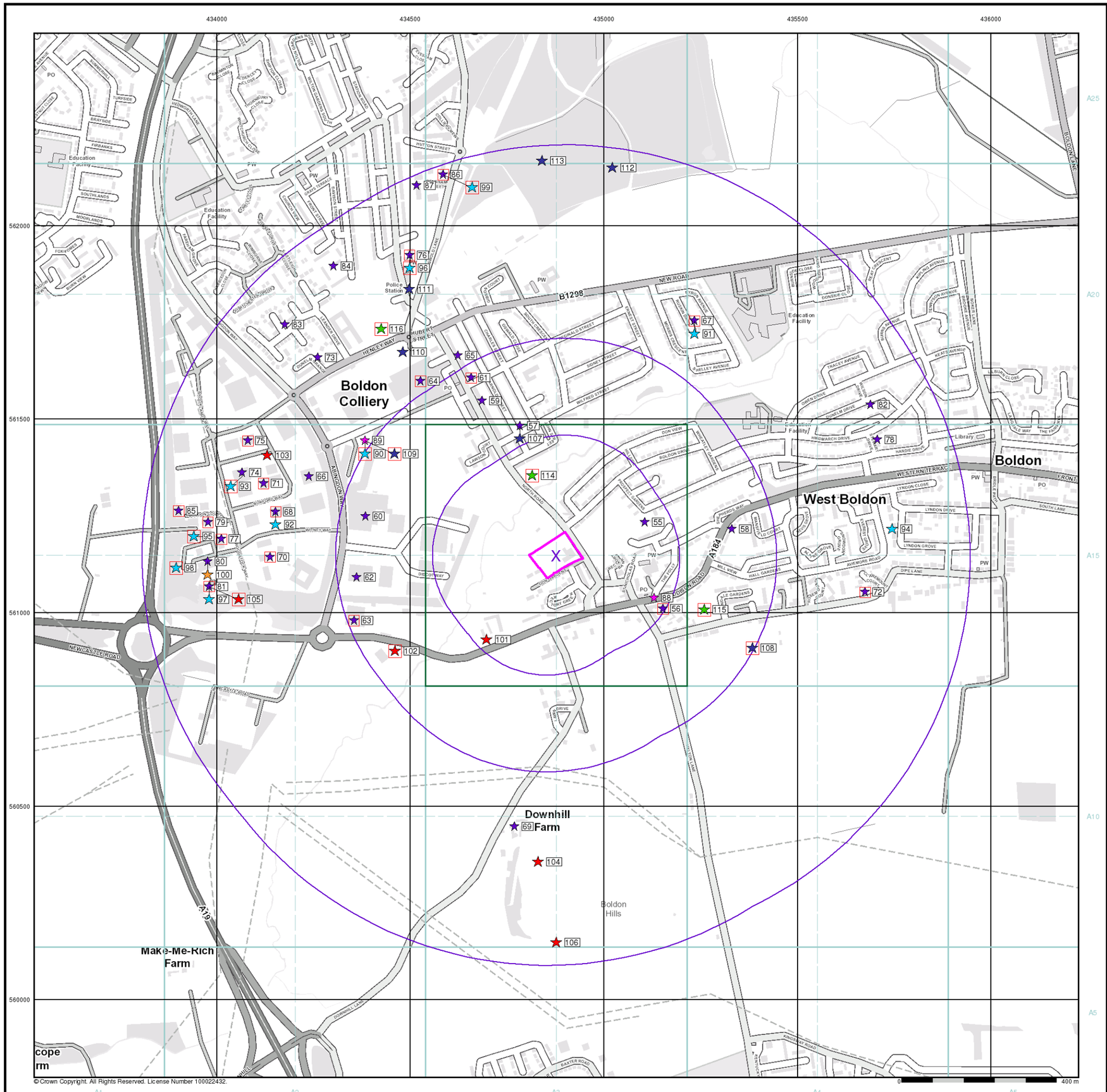
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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



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Industrial Land Use Map

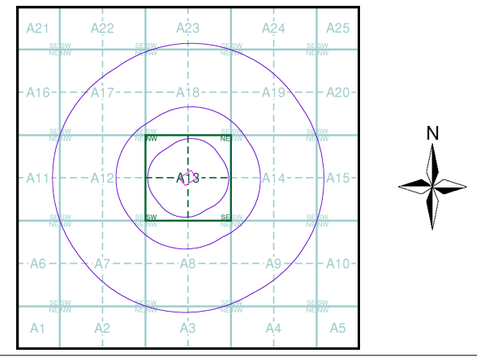
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



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National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

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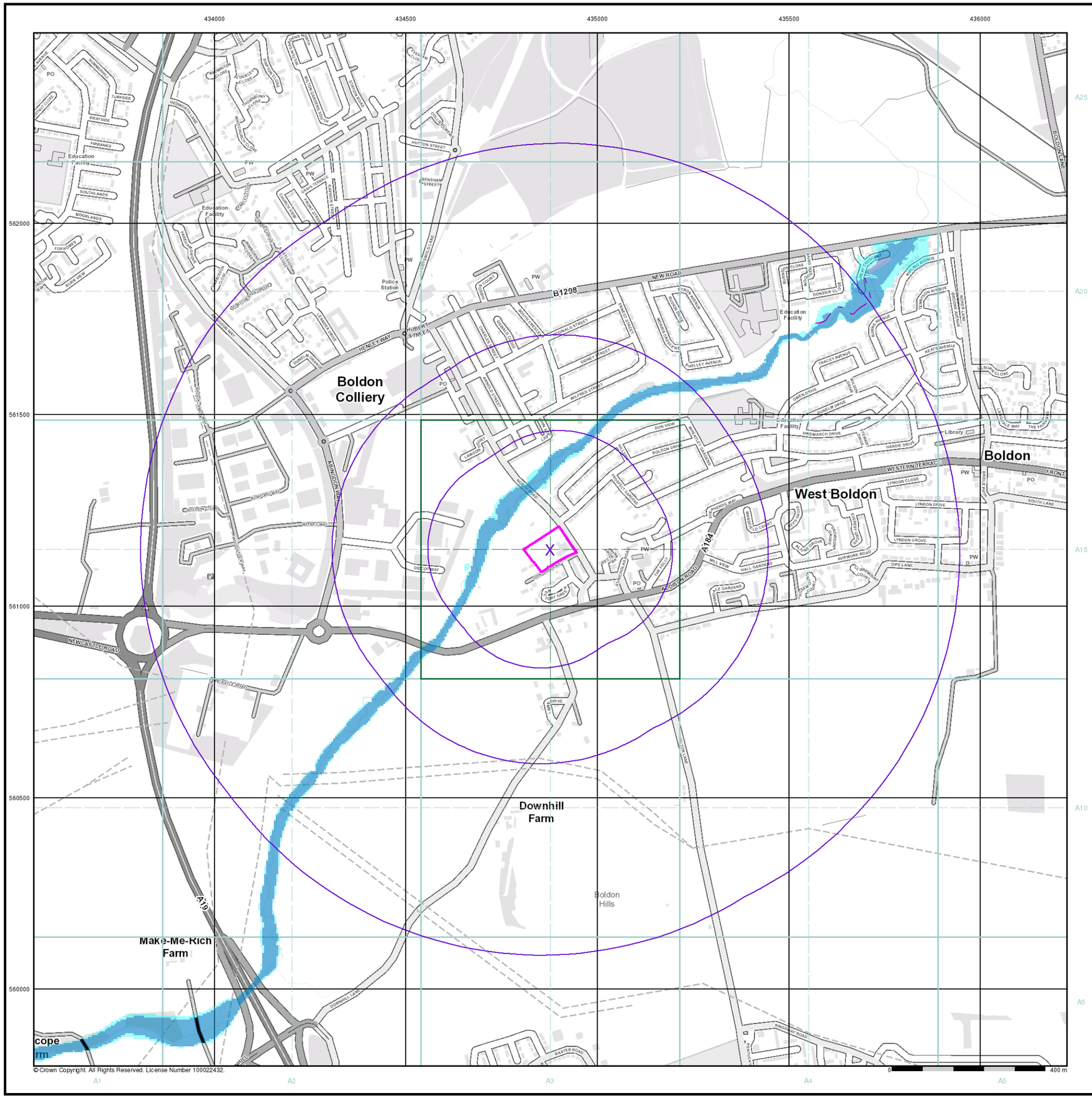
Web: www.envirocheck.co.uk



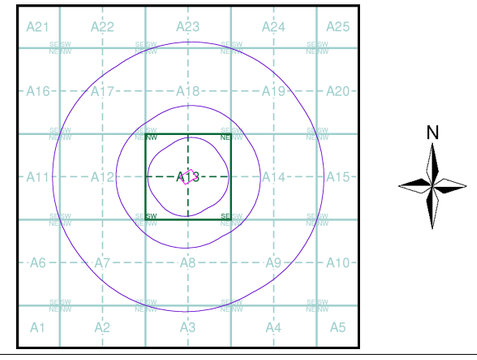
General

- 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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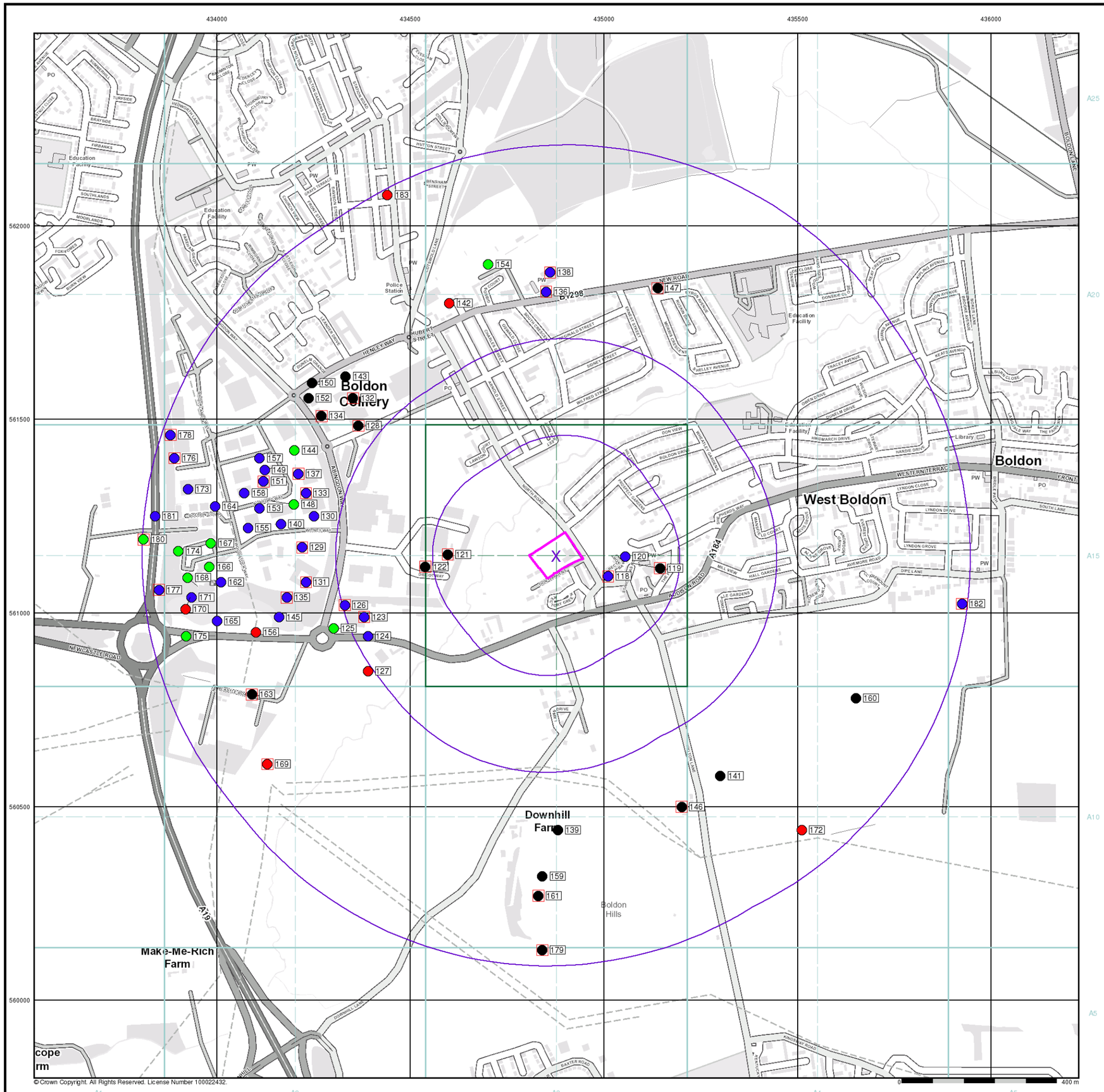
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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
- Several of Type at Location

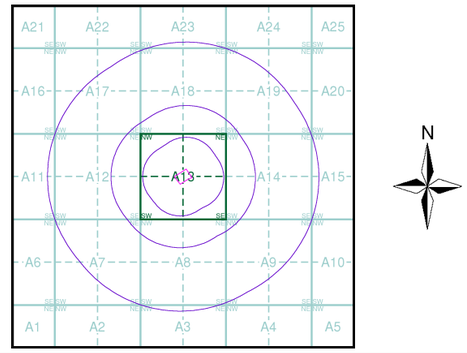
Agency and Hydrological (Boreholes)

- 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:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

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General

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

Detailed River Network Data

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

Contours (height in metres)

Standard Contour 105 100 95

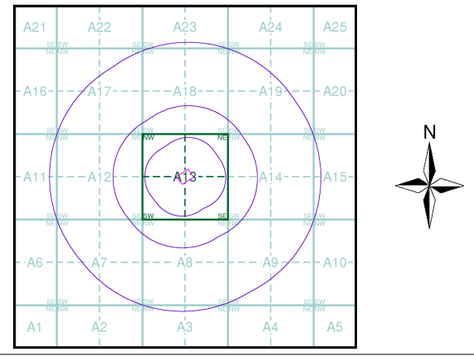
Master Contour

Spot Height *167.3

MLW Mean Low Water

MHW Mean High Water

EA/NRW Detailed River Network Map - Slice A



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General

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

Risk of Flooding from Surface Water

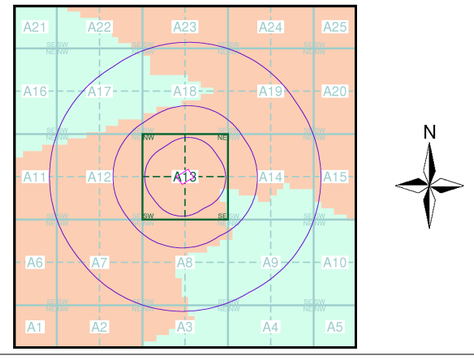
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



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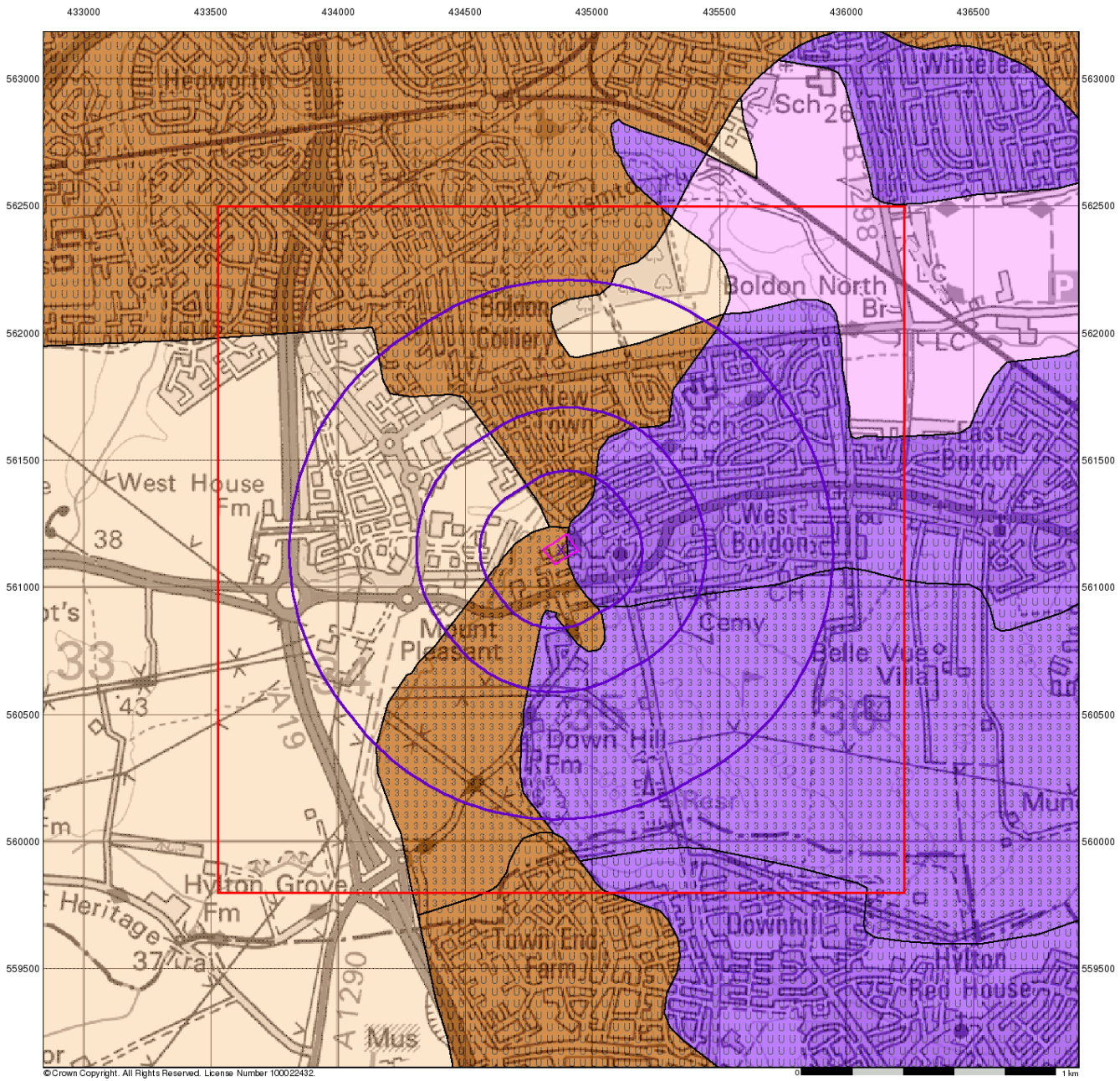


Groundwater Vulnerability

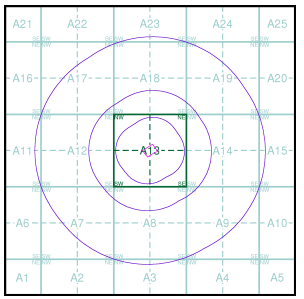
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



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Slice:	A
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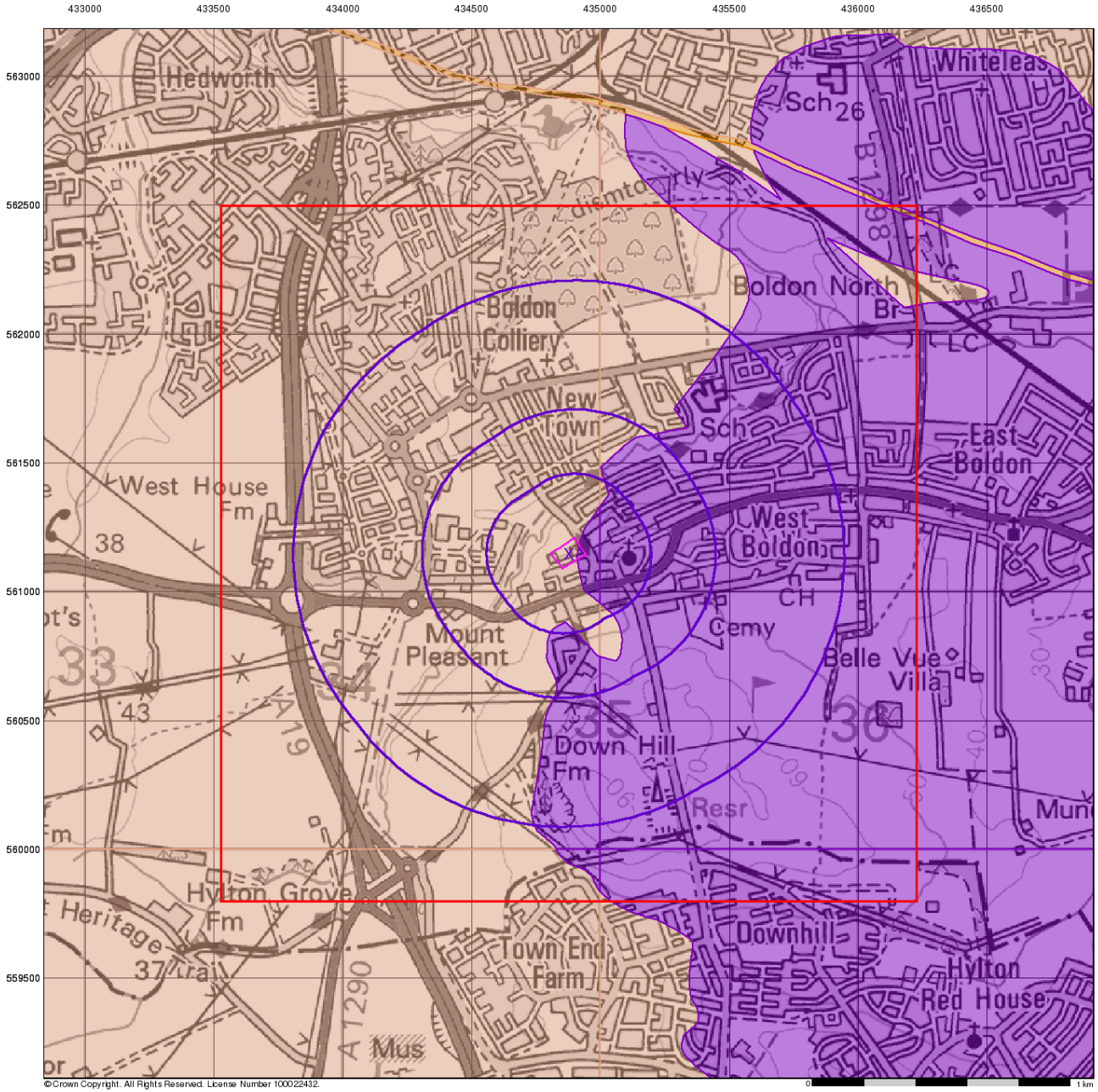


Bedrock Aquifer Designation

General

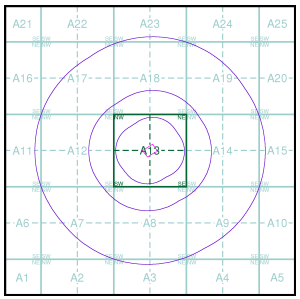
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

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Slice:	A
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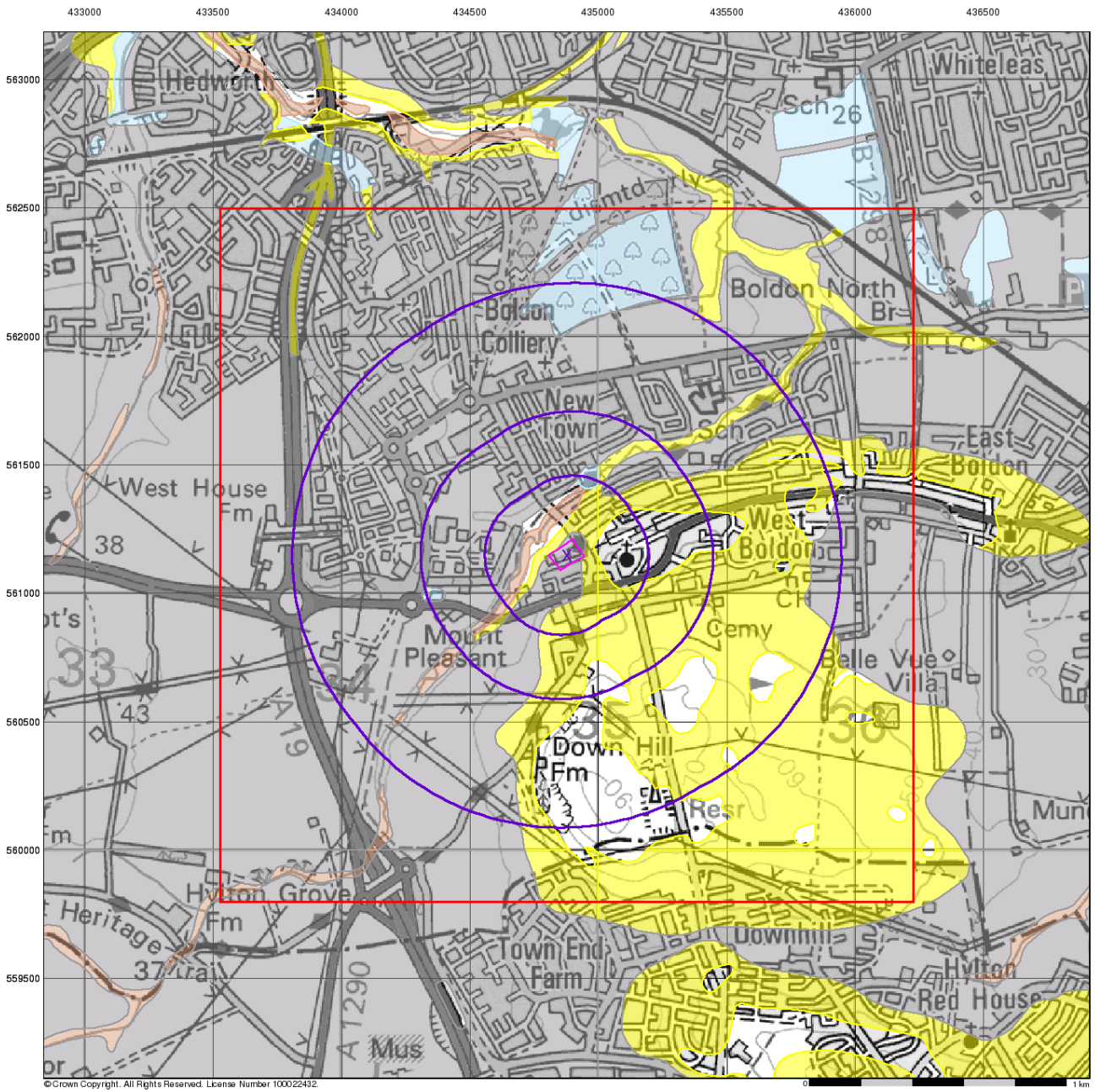


Superficial Aquifer Designation

General

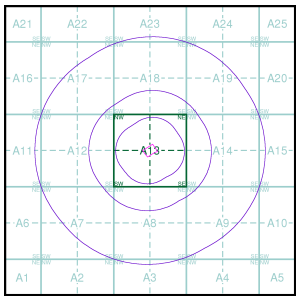
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

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Customer Ref:	17-179 MH
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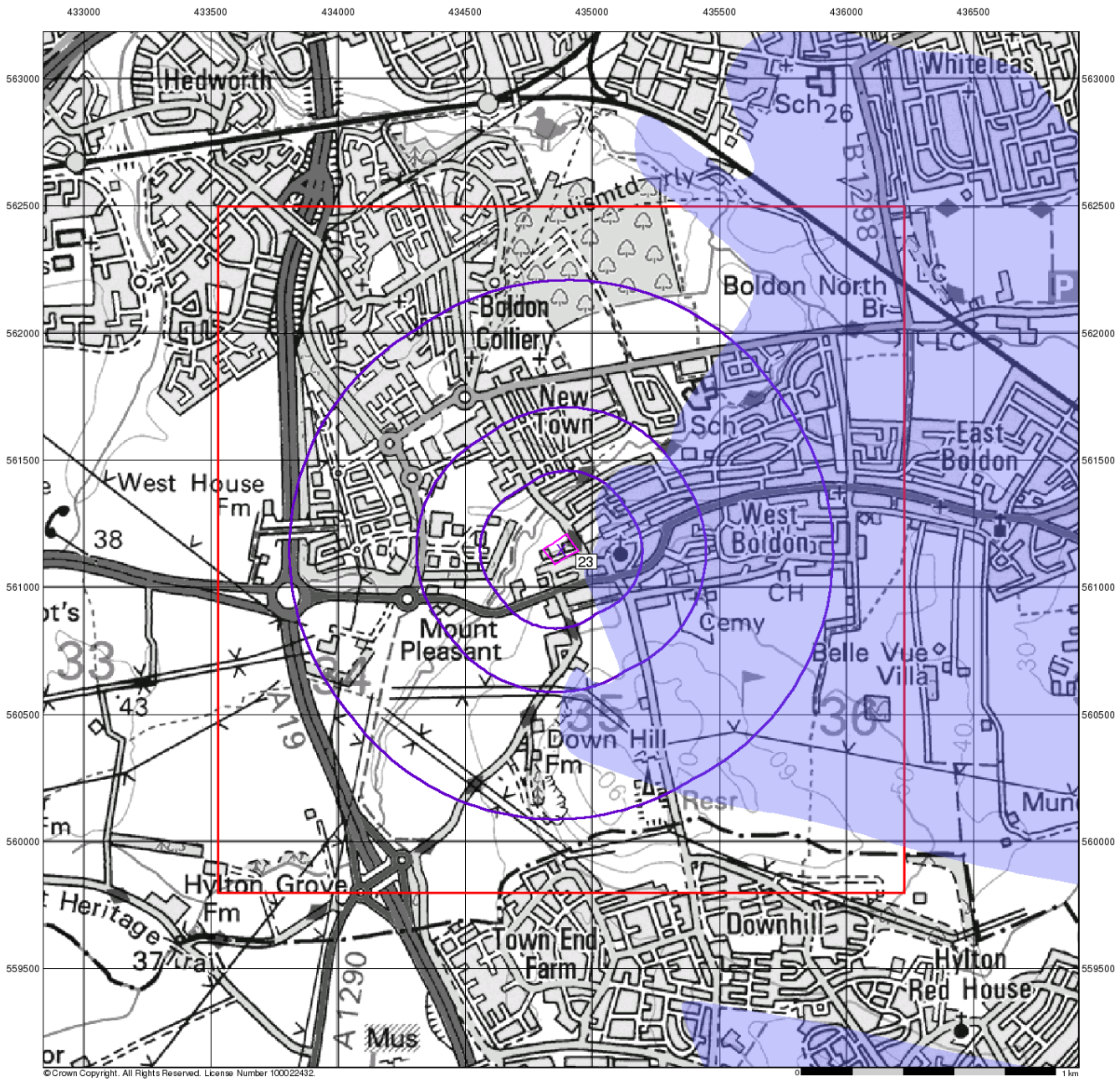
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE



Source Protection Zones

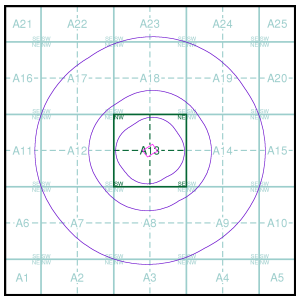
General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



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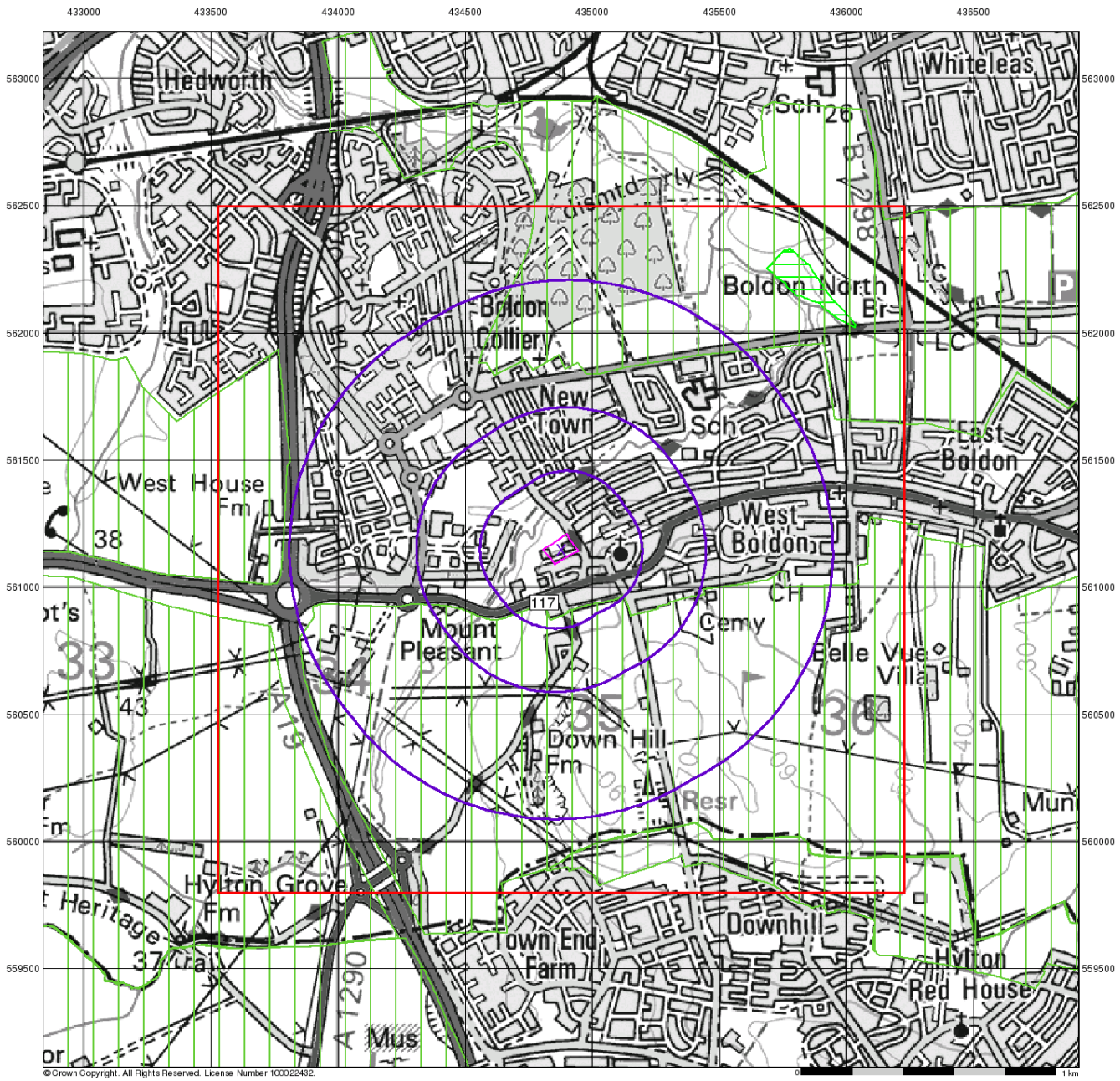


Sensitive Land Uses

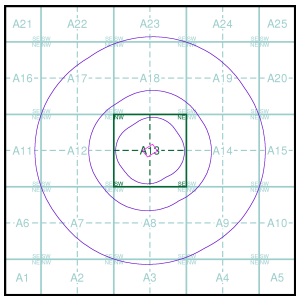
General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



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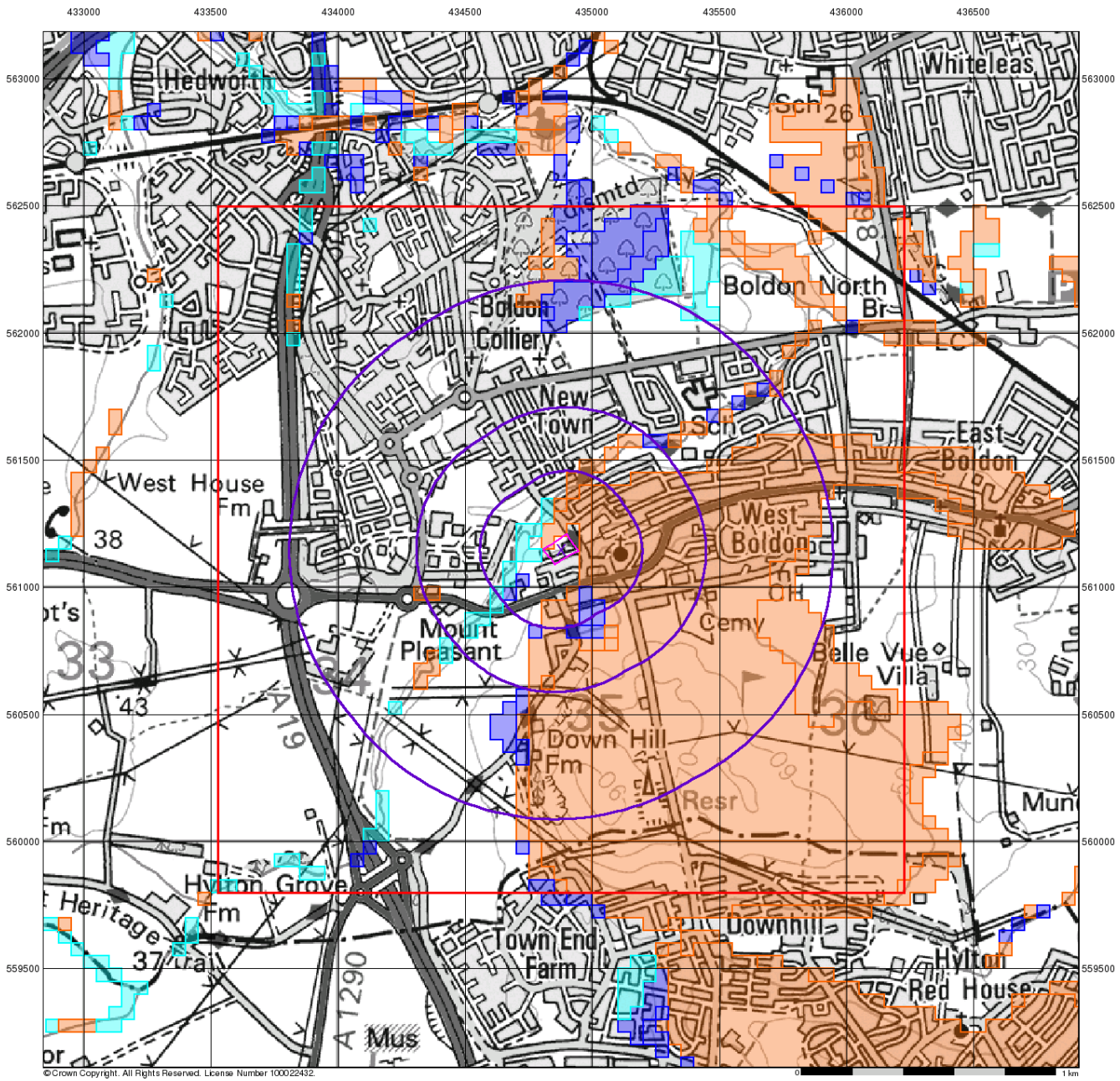


BGS Flood GFS Data

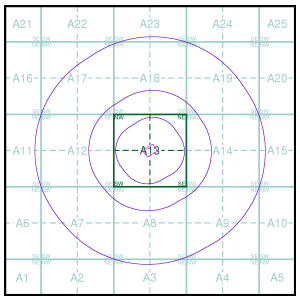
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

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General

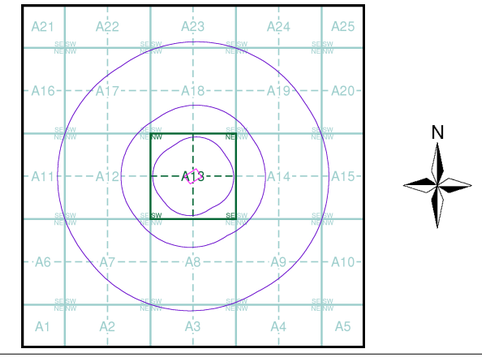
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

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Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
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General

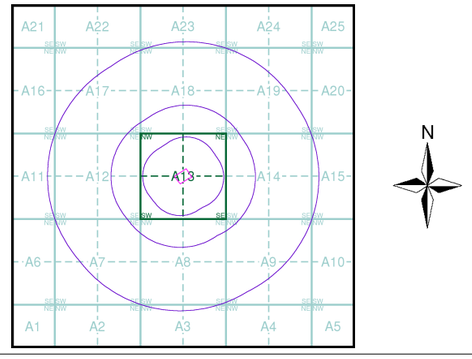
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



Order Details

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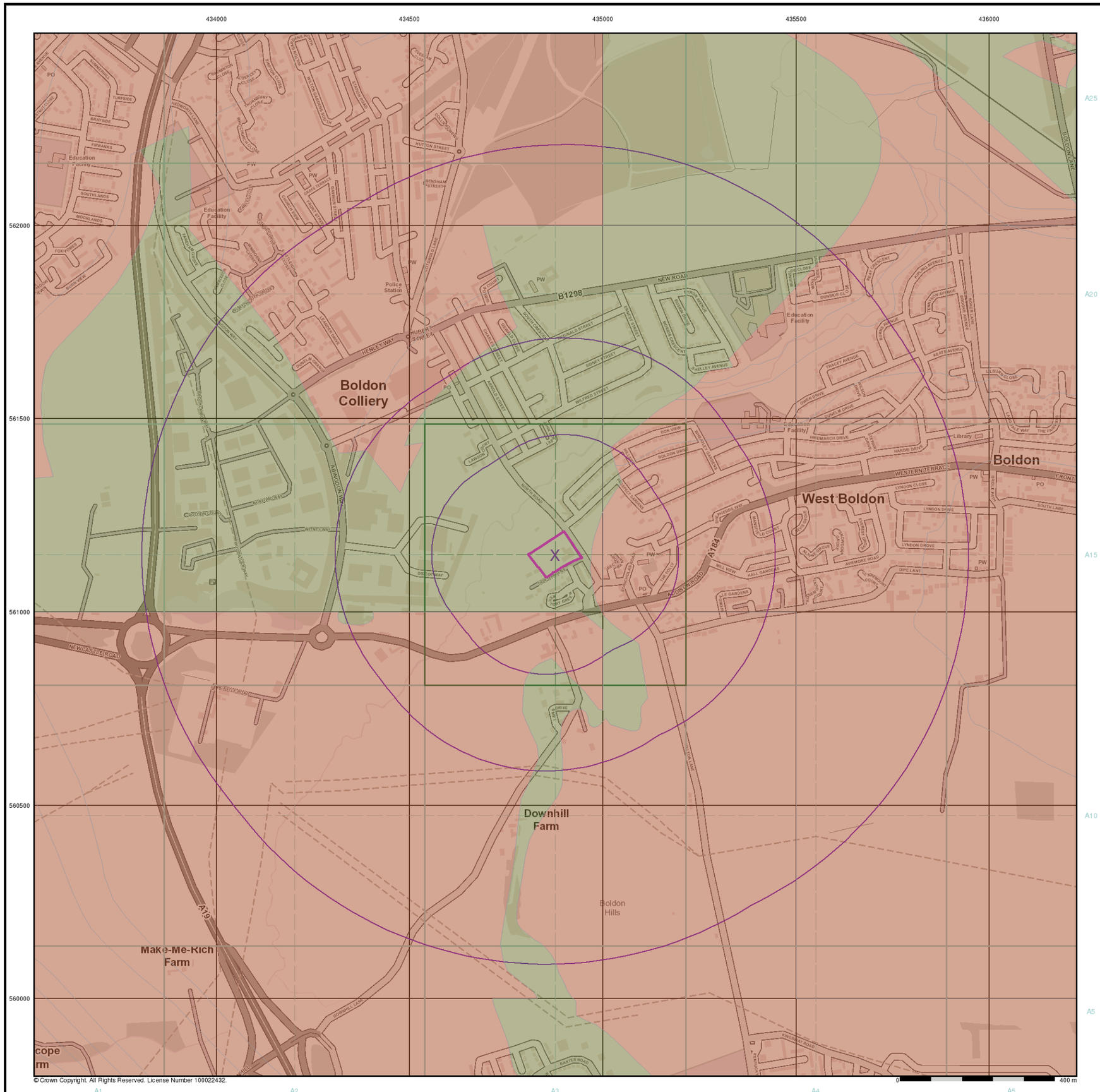


General

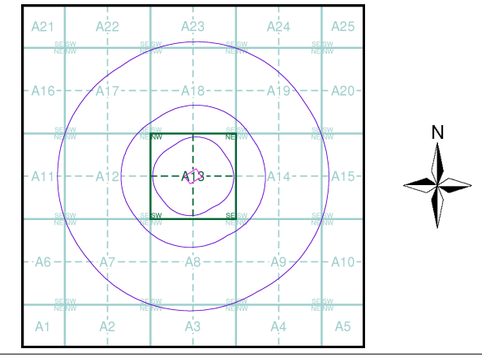
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

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

Estimated Soil Chemistry Chromium - Slice A



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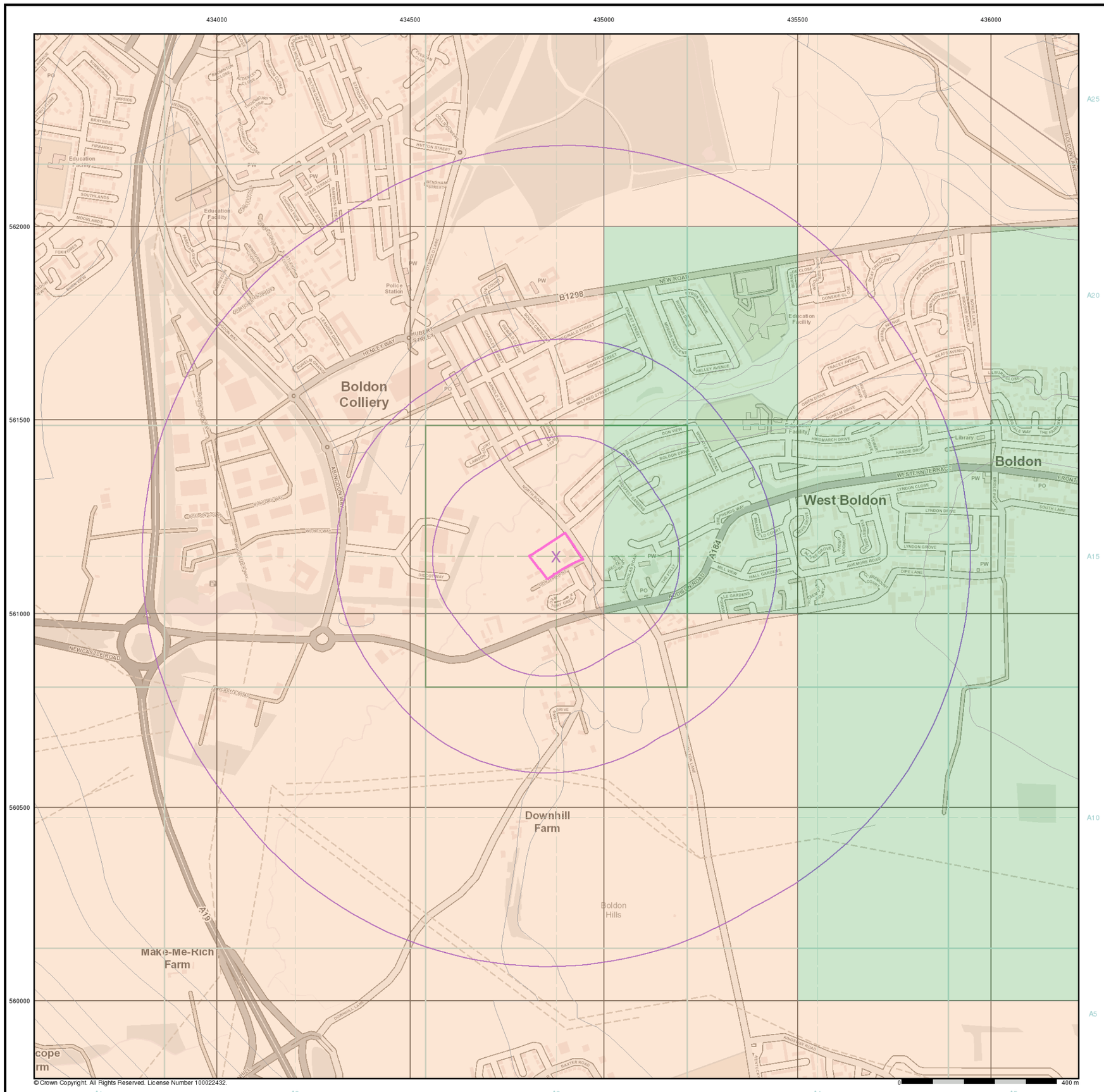

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General

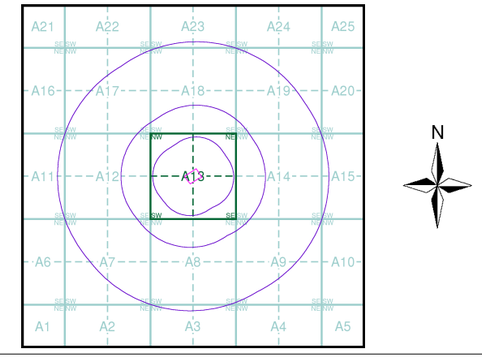
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



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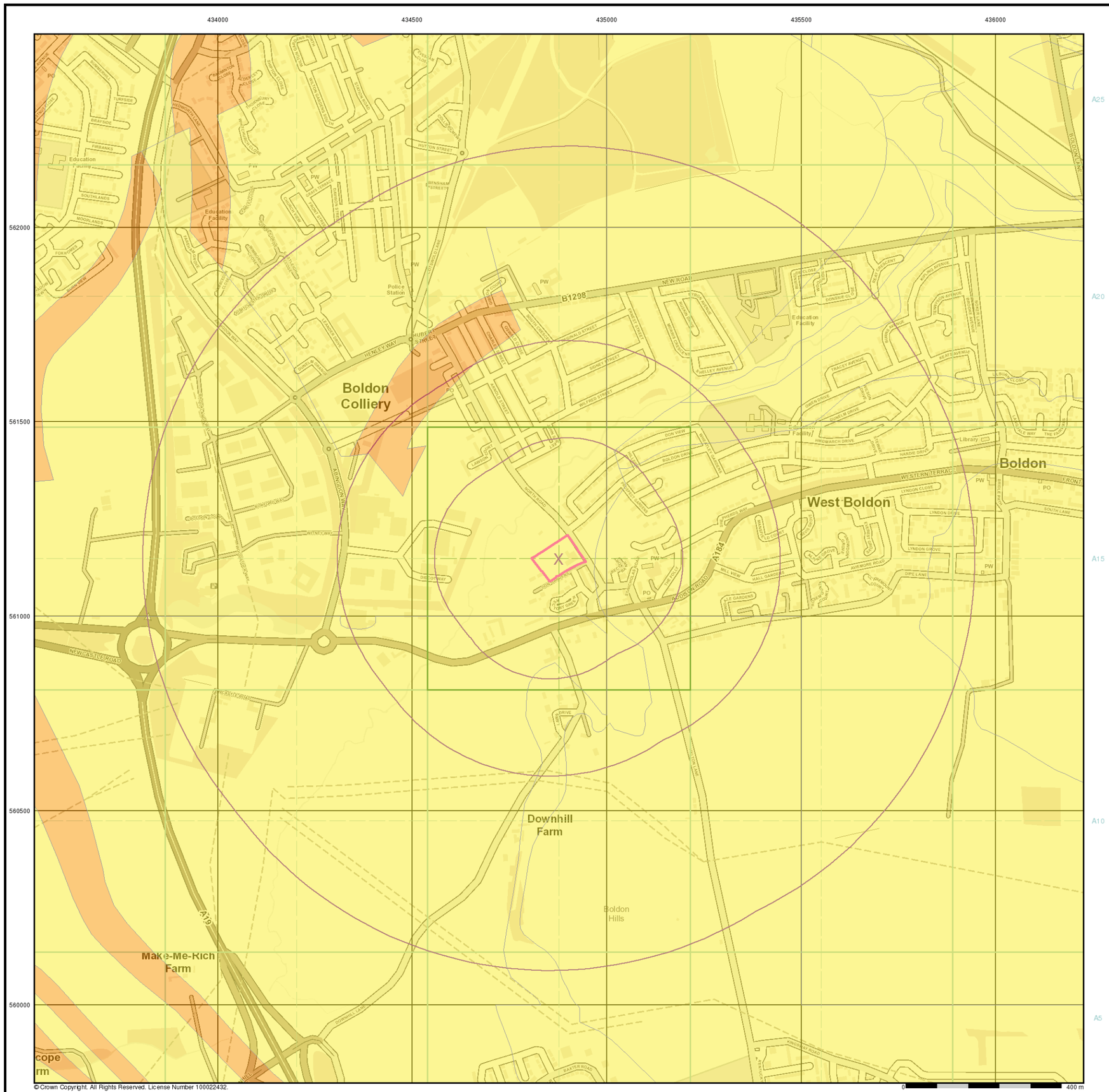

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General

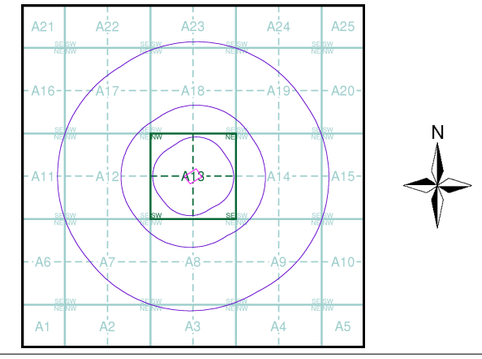
Specified Site | Specified Buffer(s) | X Bearing Reference Point

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



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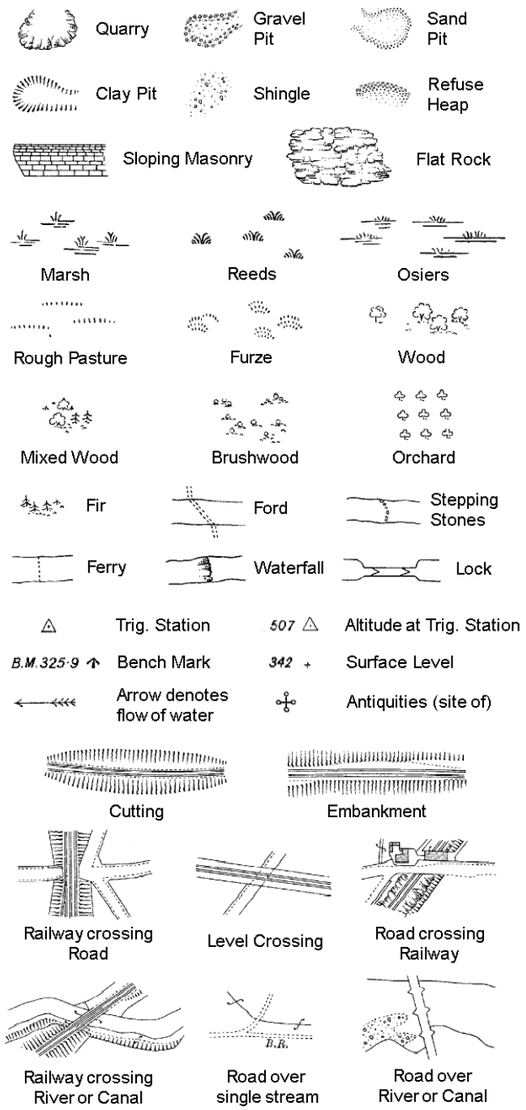
Historical Mapping Legends

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



County Boundary (Geographical)

County & Civil Parish Boundary

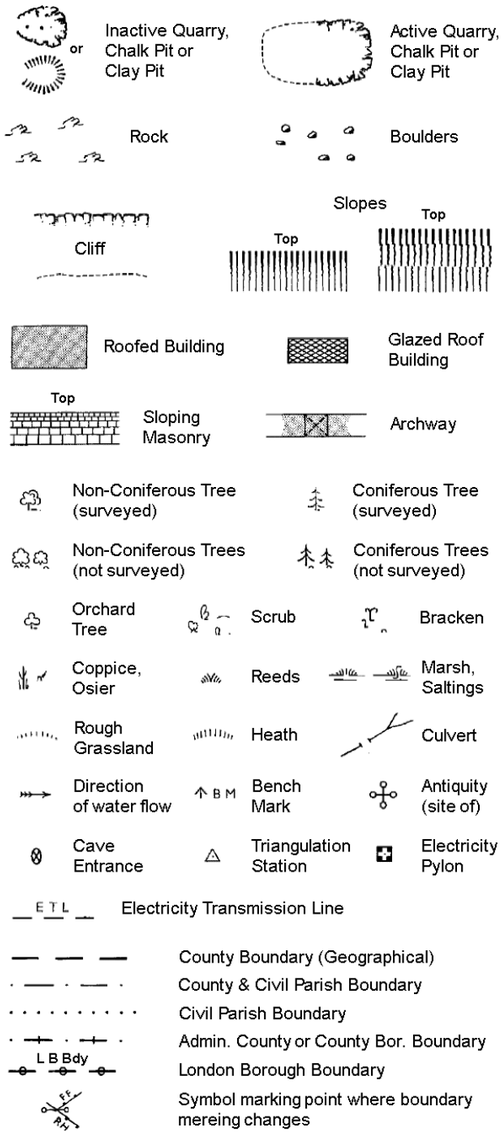
Administrative County & Civil Parish Boundary

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

Co. Burgh Bdy. County Burgh Boundary (Scotland)

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

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



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

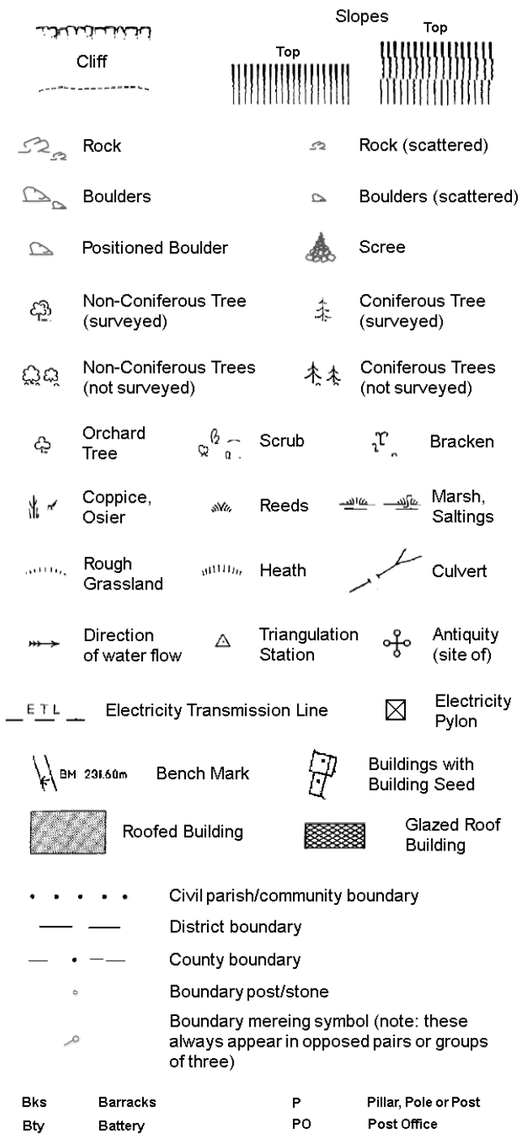
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

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

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



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

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

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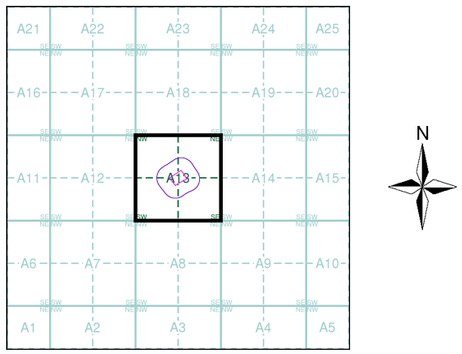
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:2,500	1857 - 1880	2
Durham	1:2,500	1895	3
Durham	1:2,500	1896 - 1897	4
Durham	1:2,500	1919	5
Durham	1:2,500	1939	6
Ordnance Survey Plan	1:1,250	1956 - 1958	7
Ordnance Survey Plan	1:2,500	1956 - 1958	8
Ordnance Survey Plan	1:1,250	1967 - 1973	9
Additional SIMs	1:1,250	1967 - 1977	10
Ordnance Survey Plan	1:2,500	1969	11
Supply of Unpublished Survey Information	1:1,250	1974	12
Supply of Unpublished Survey Information	1:1,250	1974	13
Ordnance Survey Plan	1:1,250	1977	14
Additional SIMs	1:1,250	1981 - 1988	15
Additional SIMs	1:1,250	1984 - 1991	16
Additional SIMs	1:1,250	1992	17
Large-Scale National Grid Data	1:1,250	1993	18
Historical Aerial Photography	1:2,500	1999	19

Historical Map - Segment A13



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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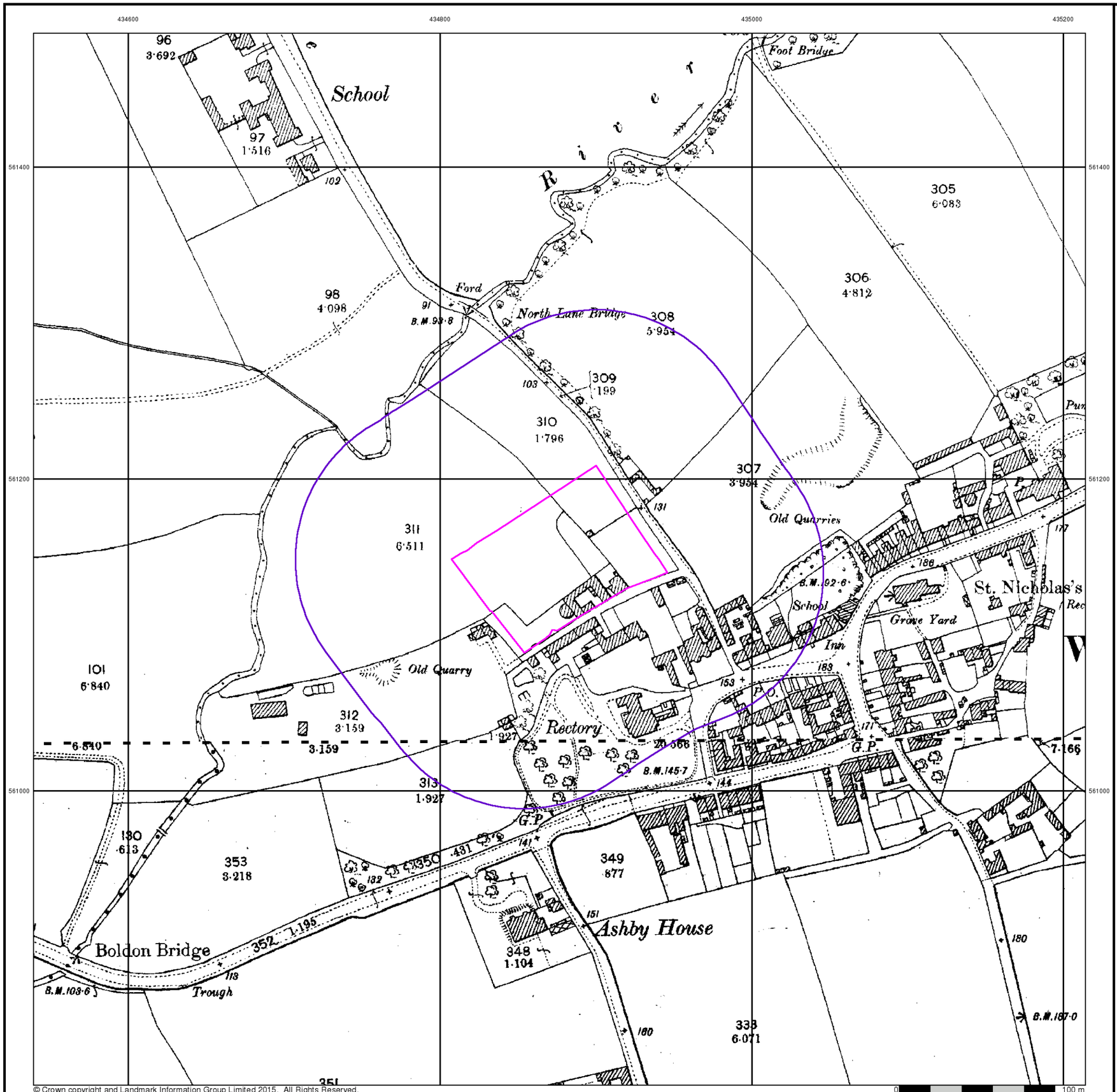
Web: www.envirocheck.co.uk



arc environmental

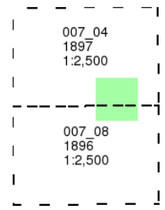
Durham

Published 1896 - 1897

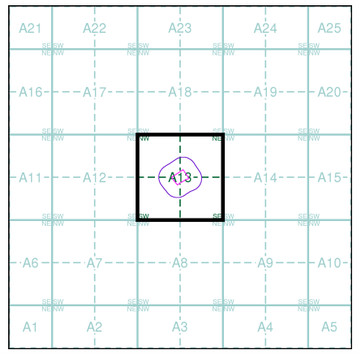
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

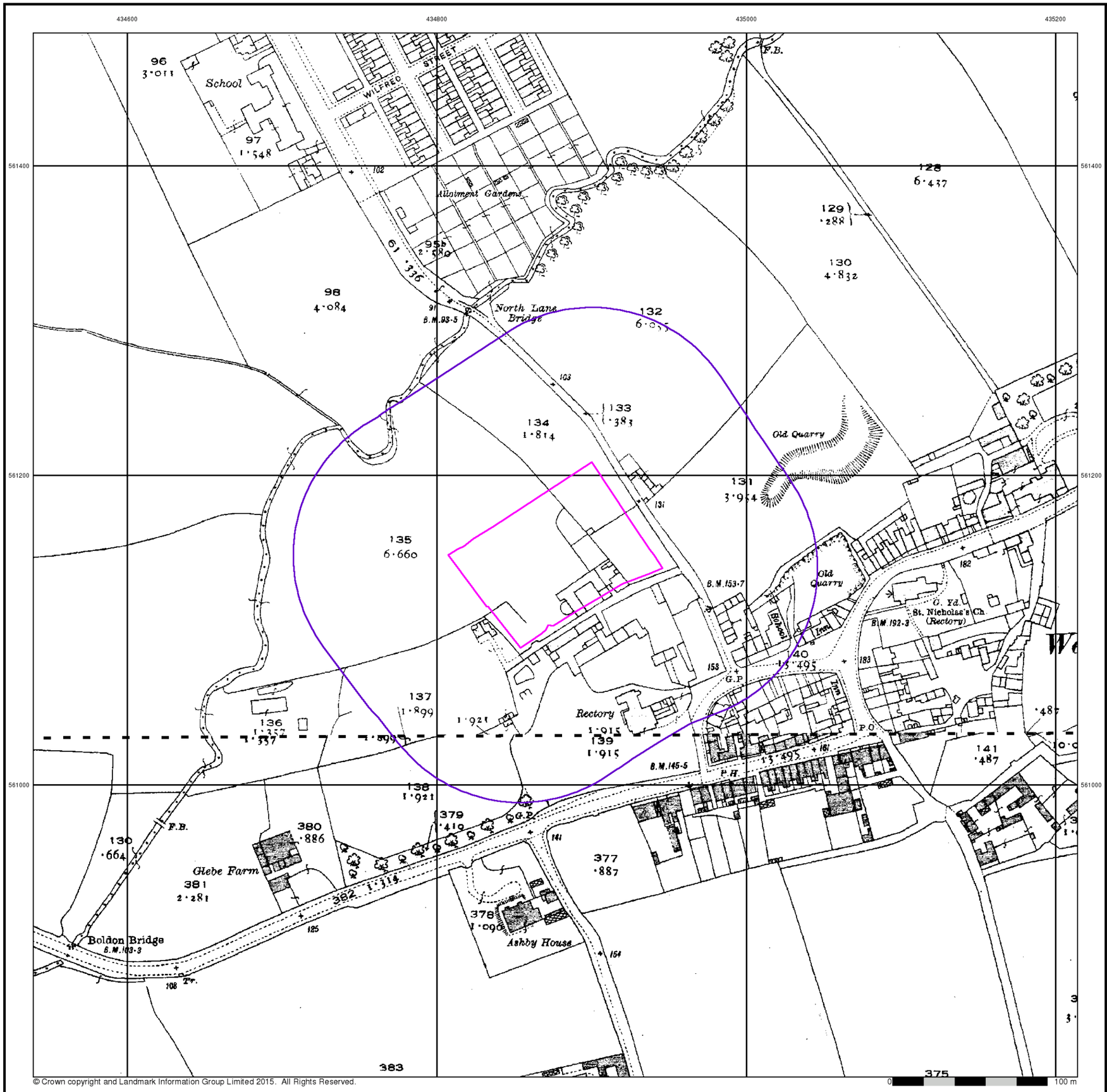


Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE



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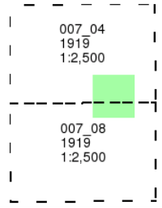
Durham

Published 1919

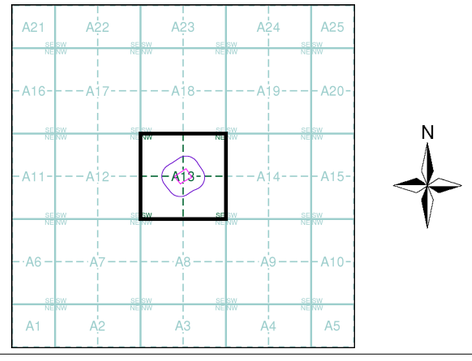
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

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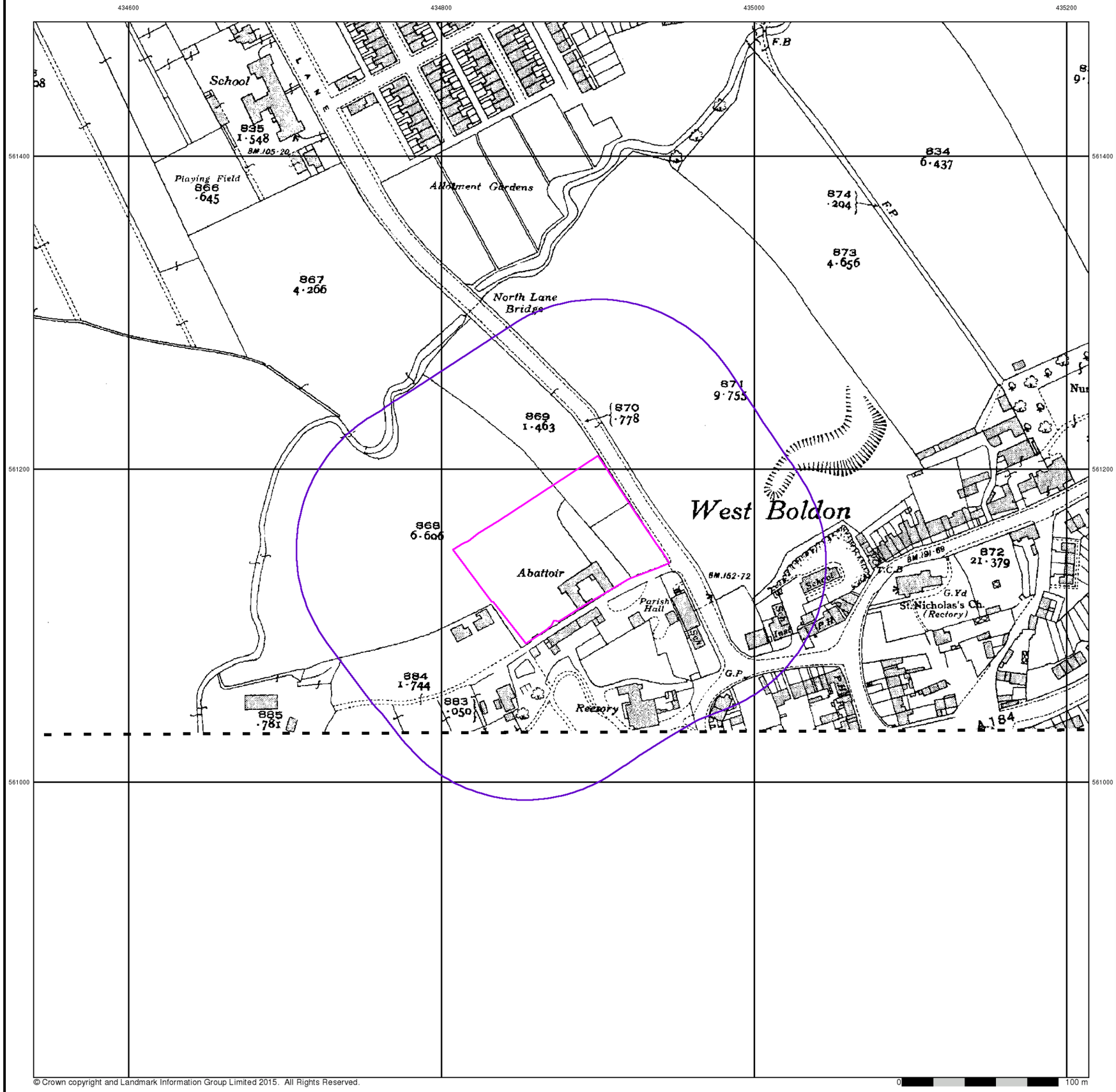

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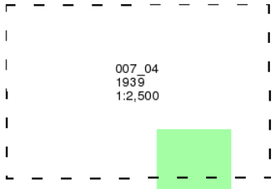
Durham

Published 1939

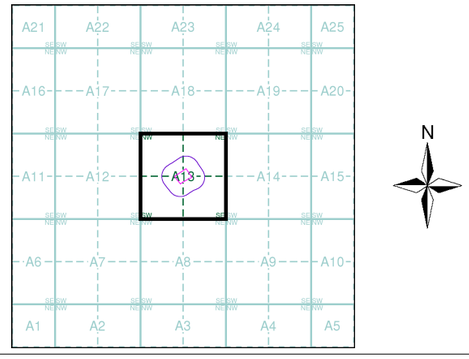
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
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Slice:	A
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Search Buffer (m):	100

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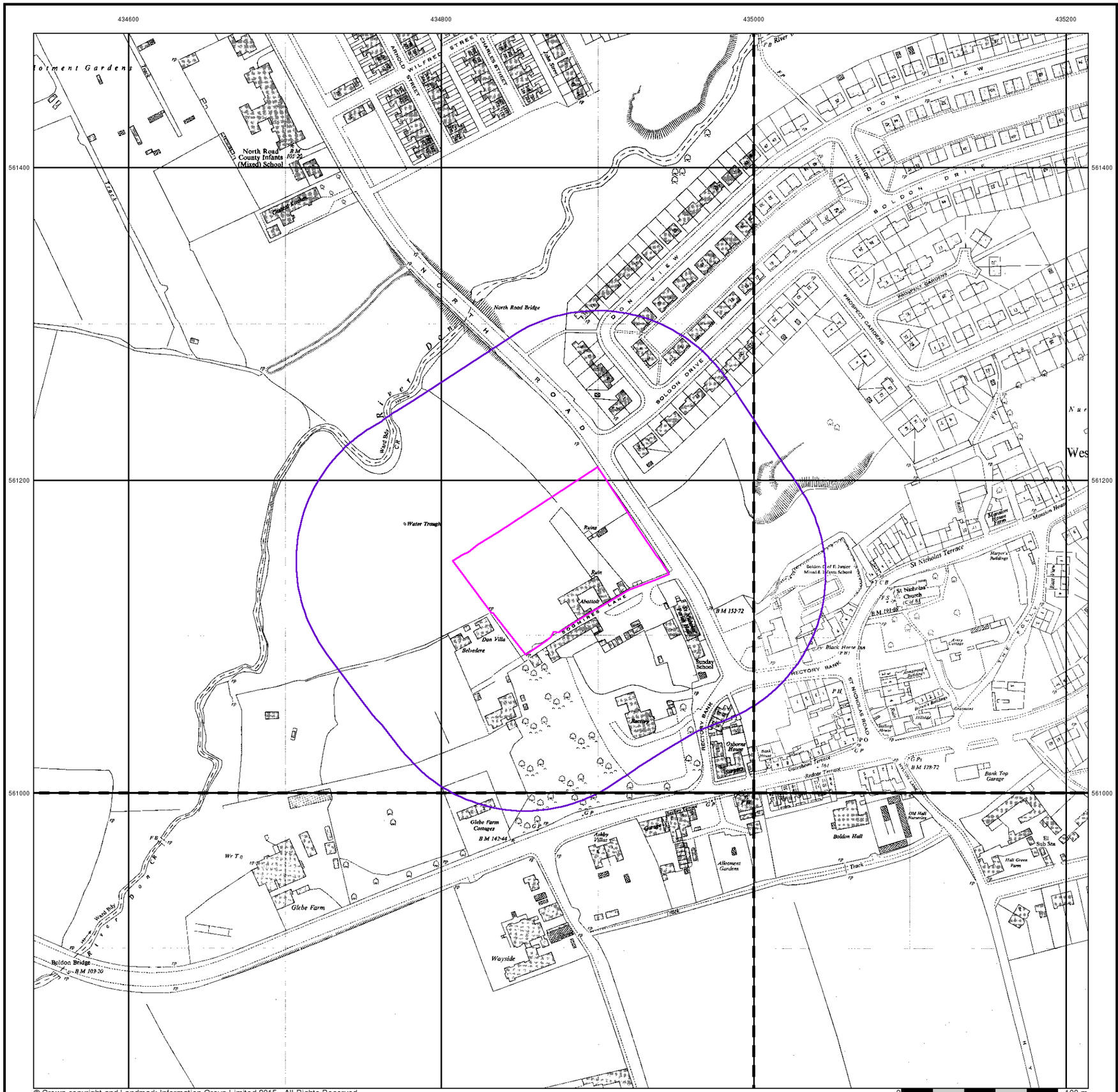


Ordnance Survey Plan

Published 1956 - 1958

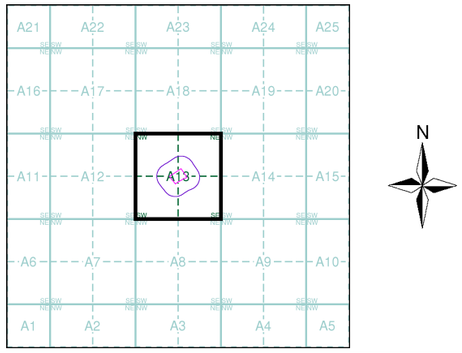
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NZ3461SE 1956 1:1,250	NZ3561SW 1958 1:1,250
NZ3460NE 1956 1:1,250	NZ3560NW 1958 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

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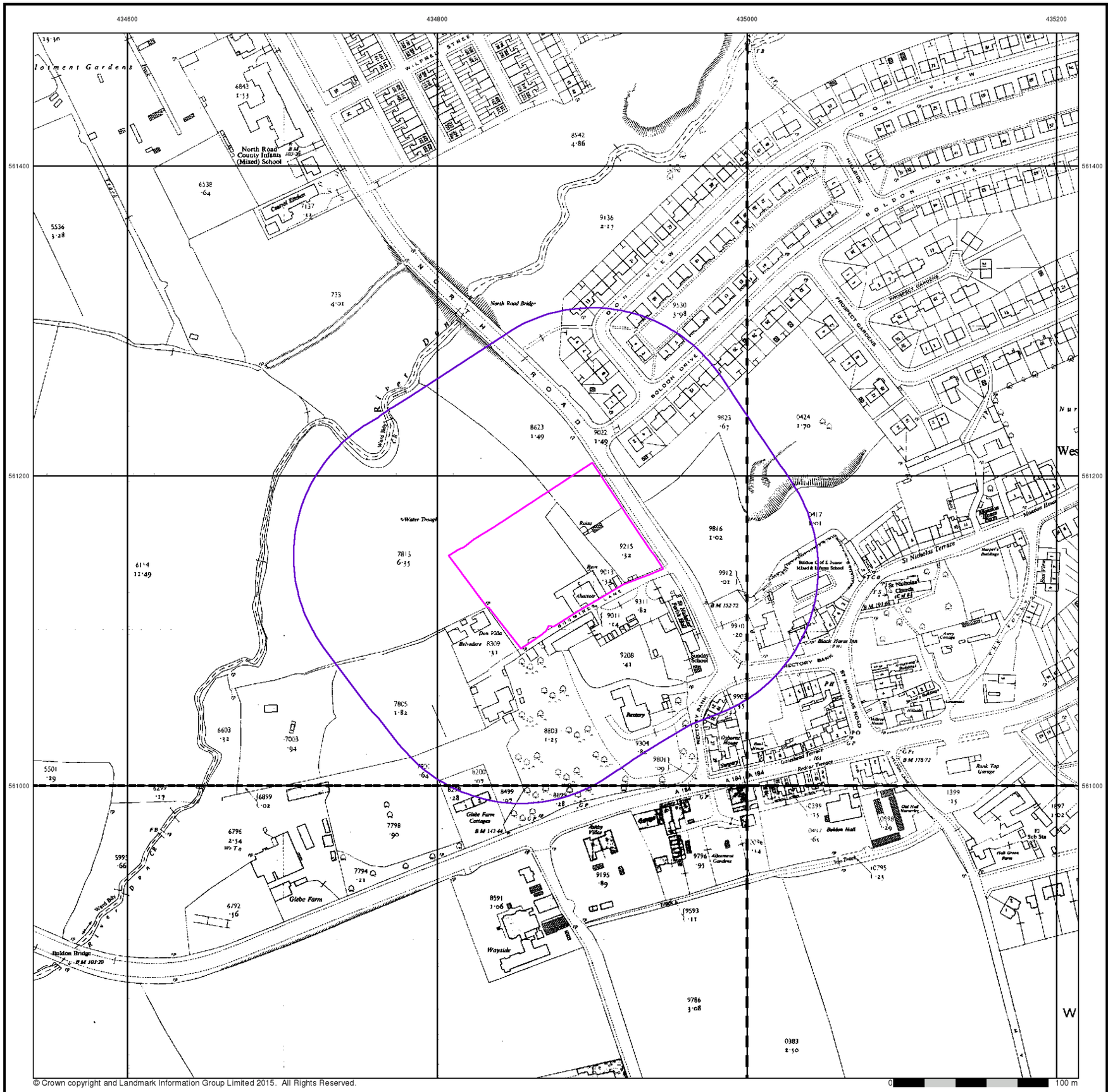

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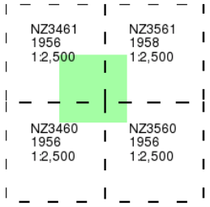
Ordnance Survey Plan

Published 1956 - 1958

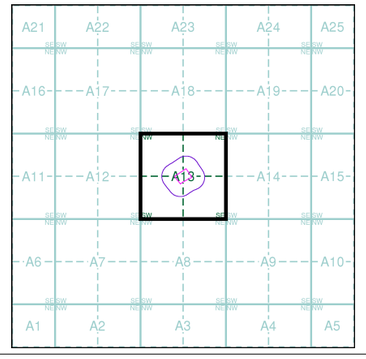
Source map scale - 1:2,500

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:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
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Search Buffer (m):	100

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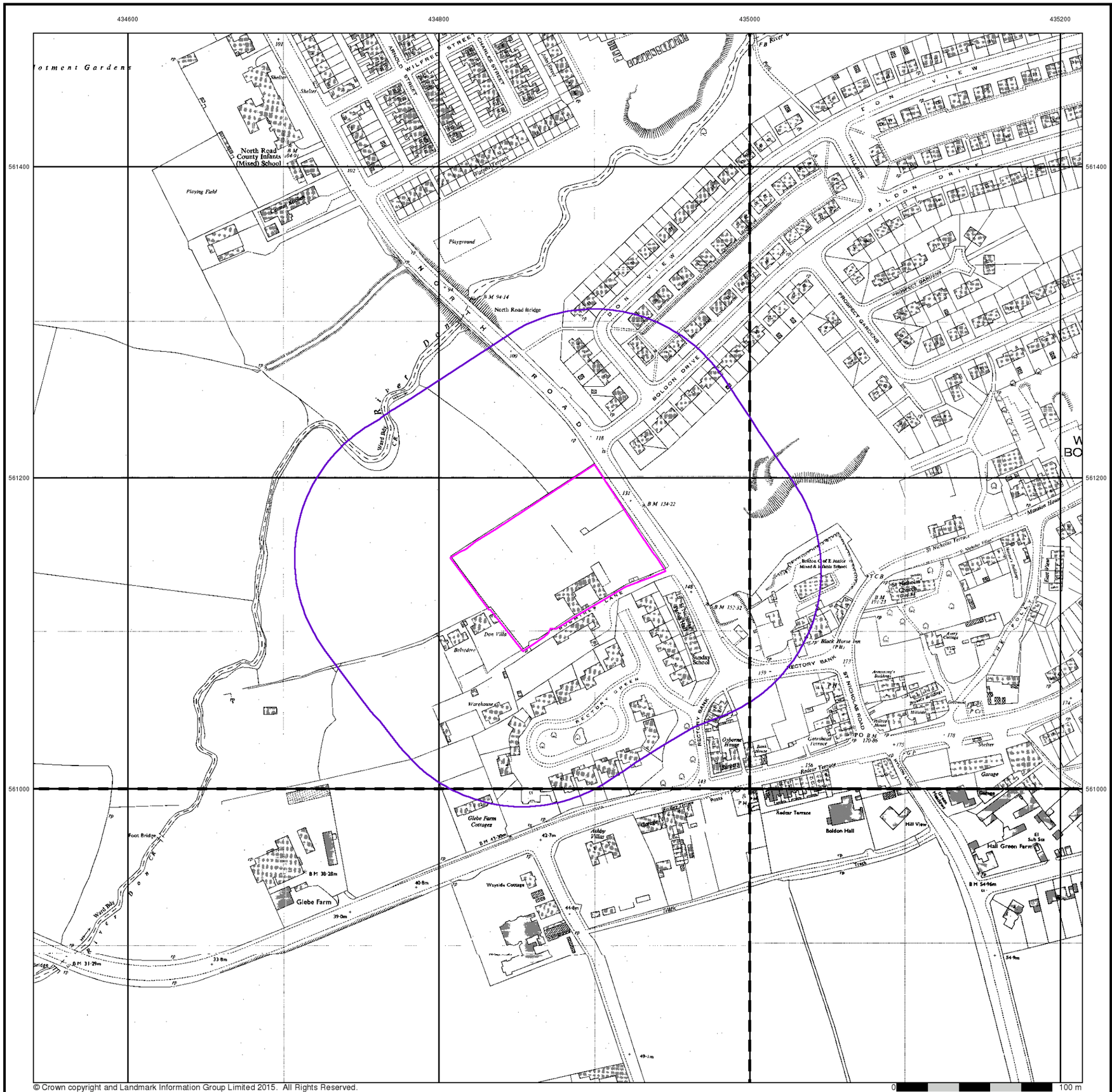

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Ordnance Survey Plan

Published 1967 - 1973

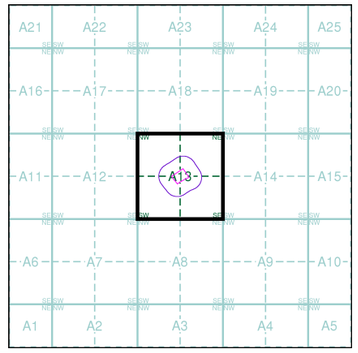
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

NZ3461SE 1967 1:1,250	NZ3561SW 1968 1:1,250
NZ3460NE 1970 1:1,250	NZ3560NW 1973 1:1,250

Historical Map - Segment A13



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

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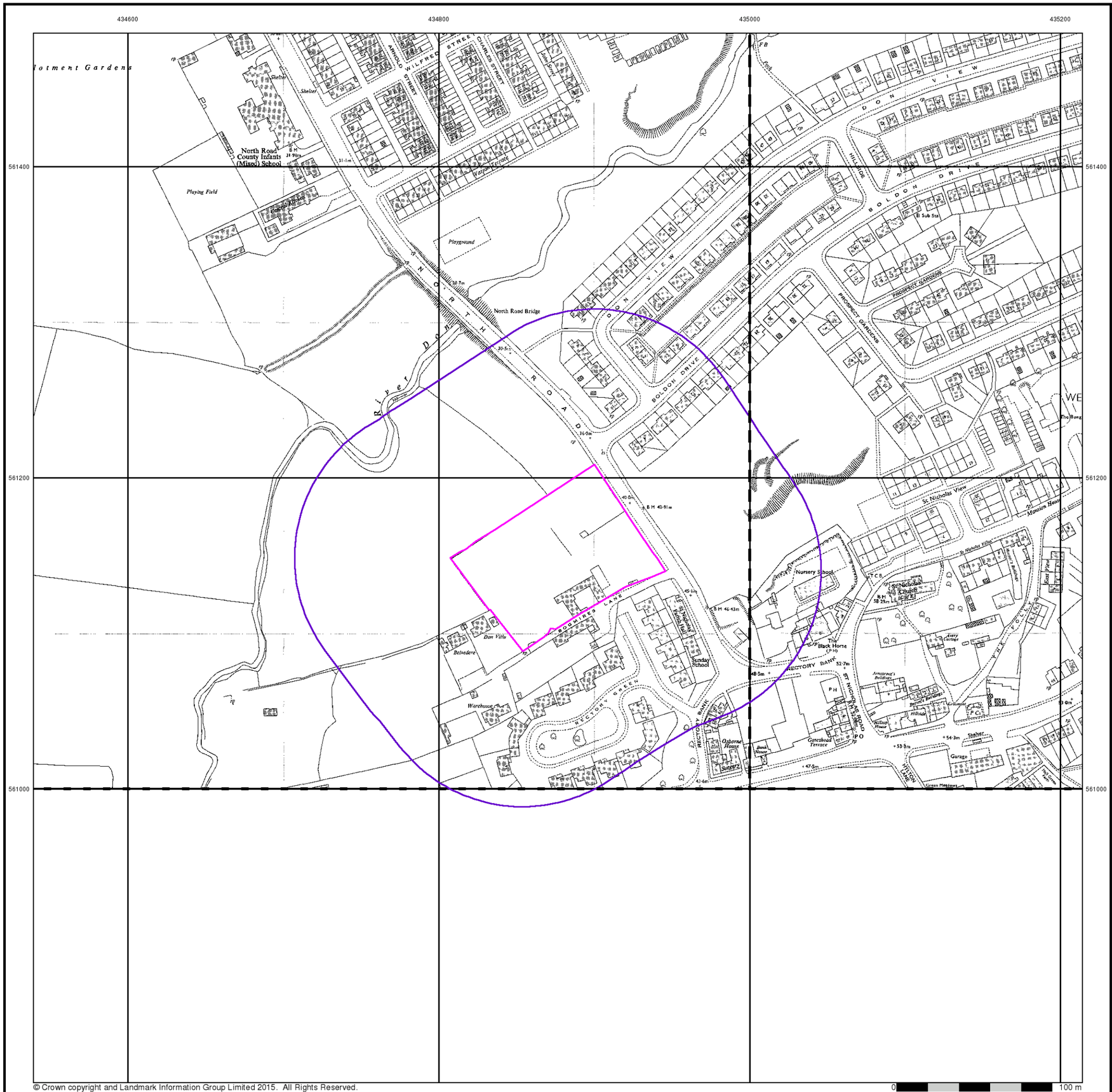


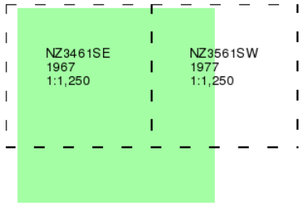
Additional SIMs

Published 1967 - 1977

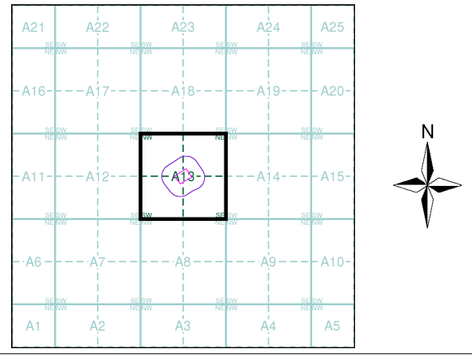
Source map scale - 1:1,250

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

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

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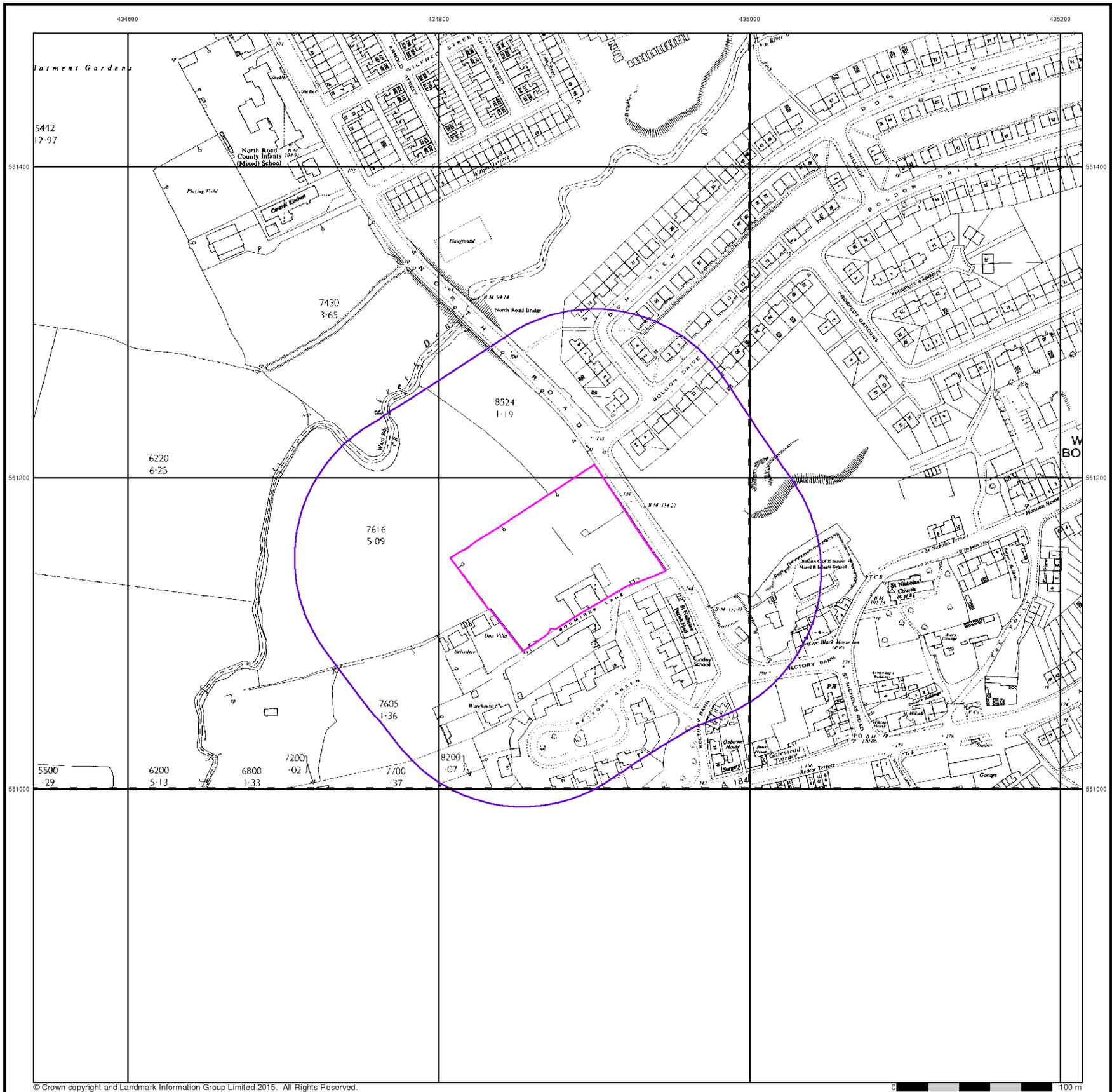

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Ordnance Survey Plan

Published 1969

Source map scale - 1:2,500

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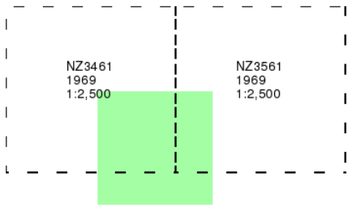
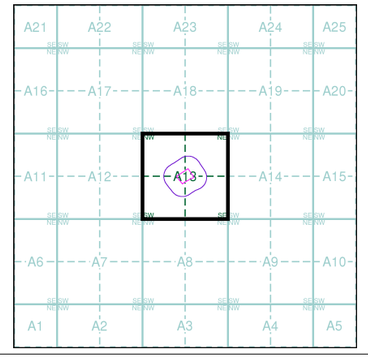
Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

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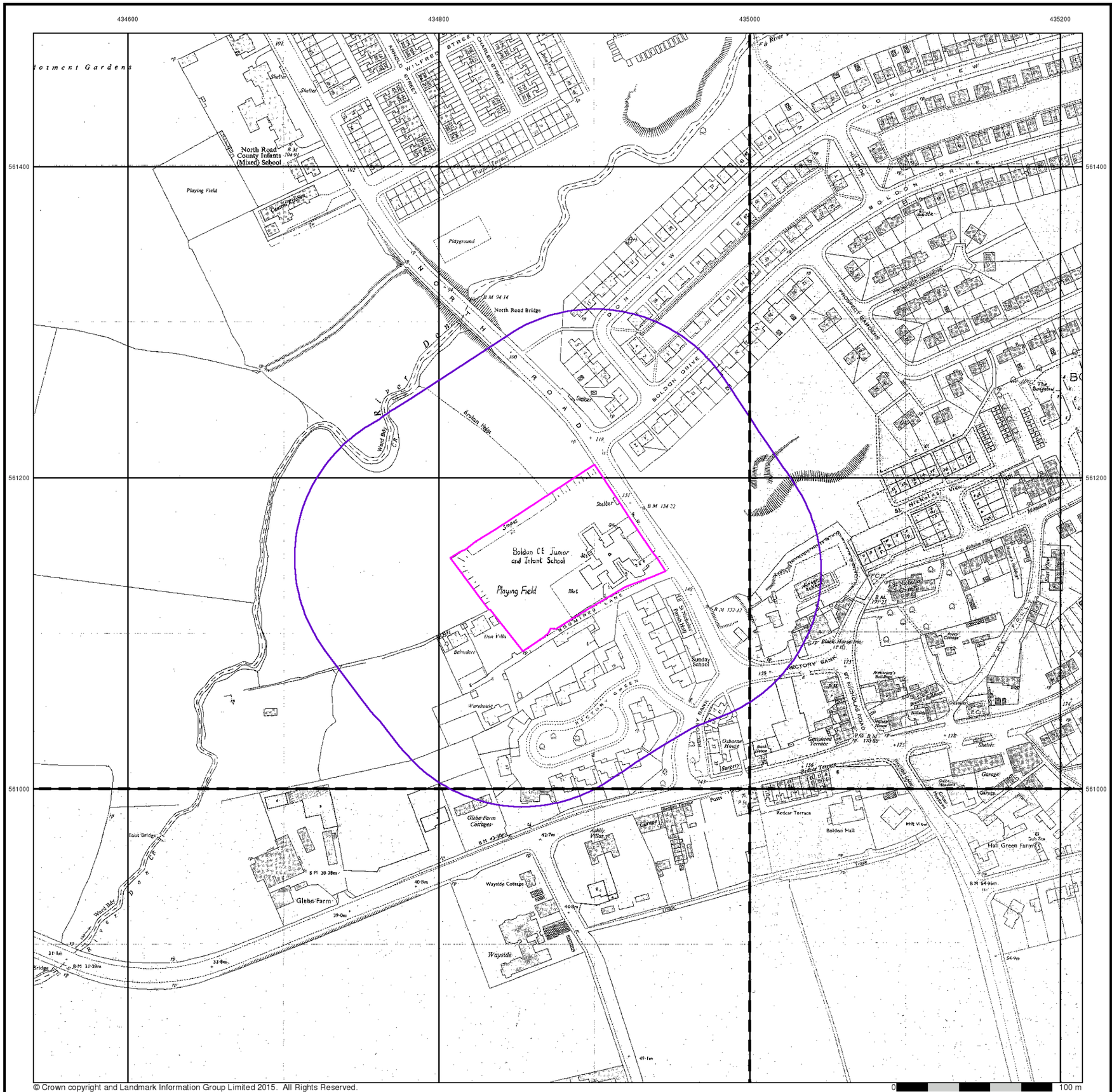
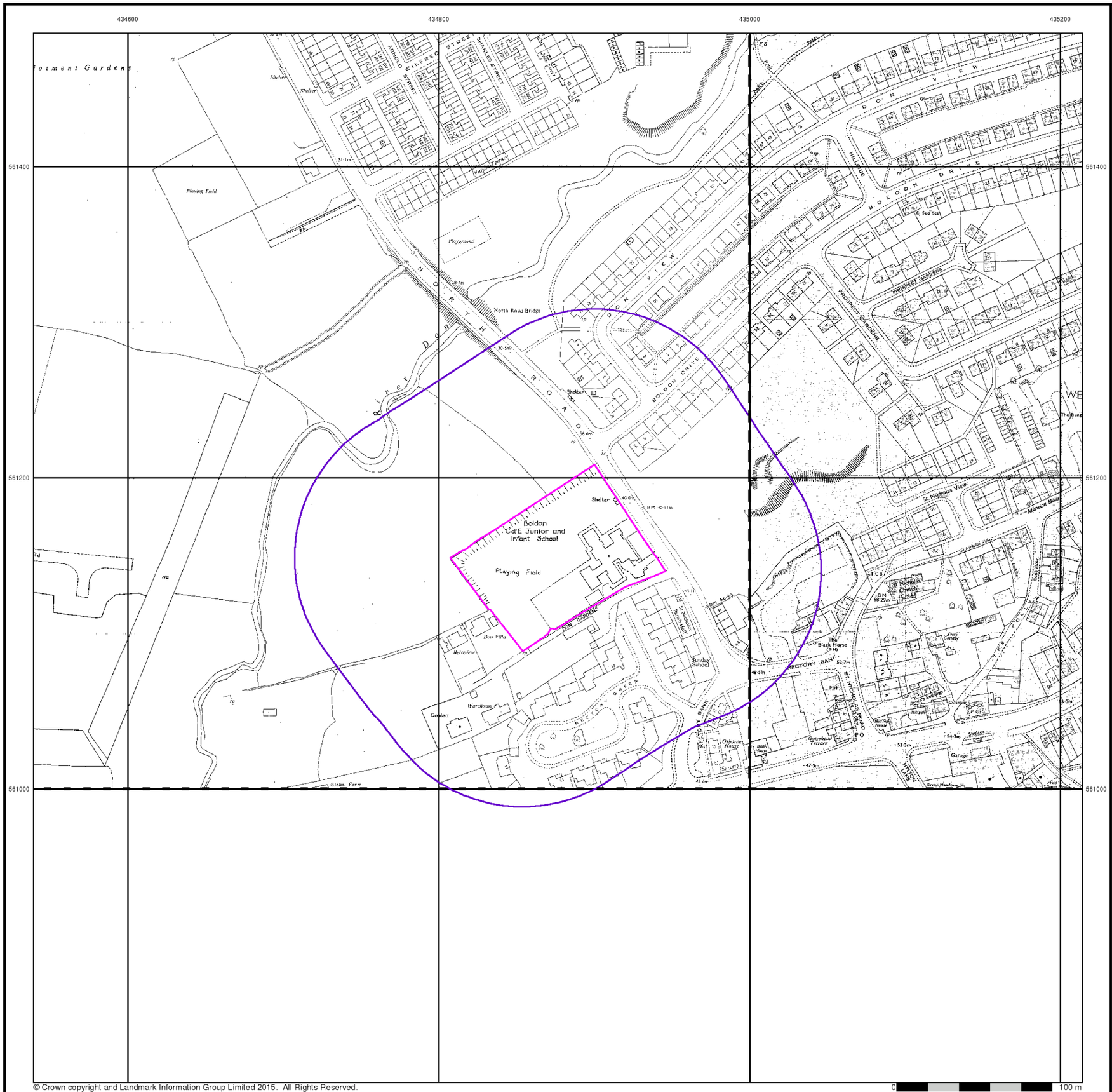

434600
434800
435000
435200
561400
561200
561000
North Road County Infants (Mixed) School
Playing Field
Playground
North Road Bridge
Boldon CE Junior and Infant School
Playing Field
Glebe Farm
Wayside
Wayside Cottages
Glebe Farm Cottages
Foot Bridge
Boldon Hall
Hall Green Farm
Rescar Terrace
Gateshead Terrace
Sunday School
Surgery
Garage
Warehouse
Don Villa
Belvedere
Osborne House
Black House
Nicholas View
Mount View
The Bungalow
Manitoba House
Boldon Lane
Rectory Green
Rectory Bank
Boldon Drive
Boldon View
Village Drive
Prospect Gardens
Charles Street
Arnold Street
Wilfred Street
Station
Shelter
Pond
Stone
Slope
Fence
Hedge
Trees
Path
Road
Bridge
Footbridge
Pylon
Post
Pillar
Tank
Sub Sta
Garages
Greenhouses
Allotments
Tennis Courts
Recreation Ground
Cemetery
Chapel
Vicarage
Manse
Presbyterian Church
Methodist Church
Wesleyan Methodist Church
Primitive Methodist Church
Roman Catholic Church
Church



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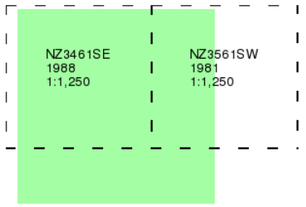
Additional SIMs

Published 1981 - 1988

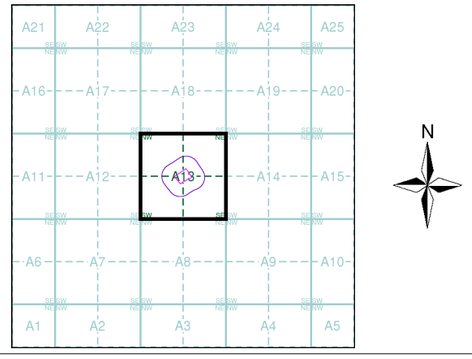
Source map scale - 1:1,250

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

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
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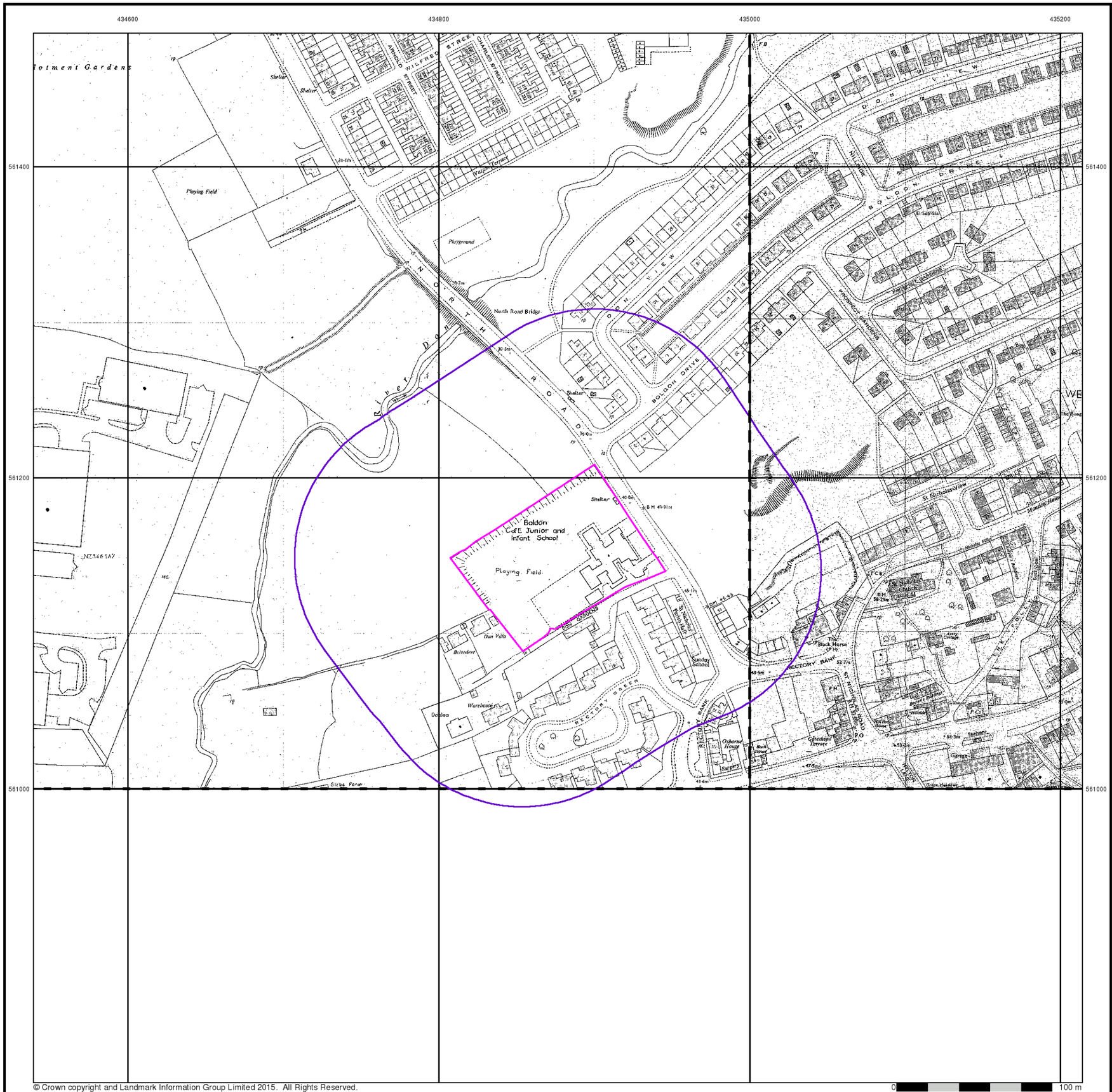

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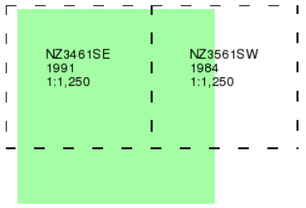
Additional SIMs

Published 1984 - 1991

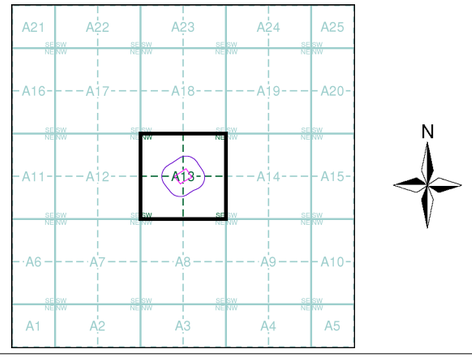
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



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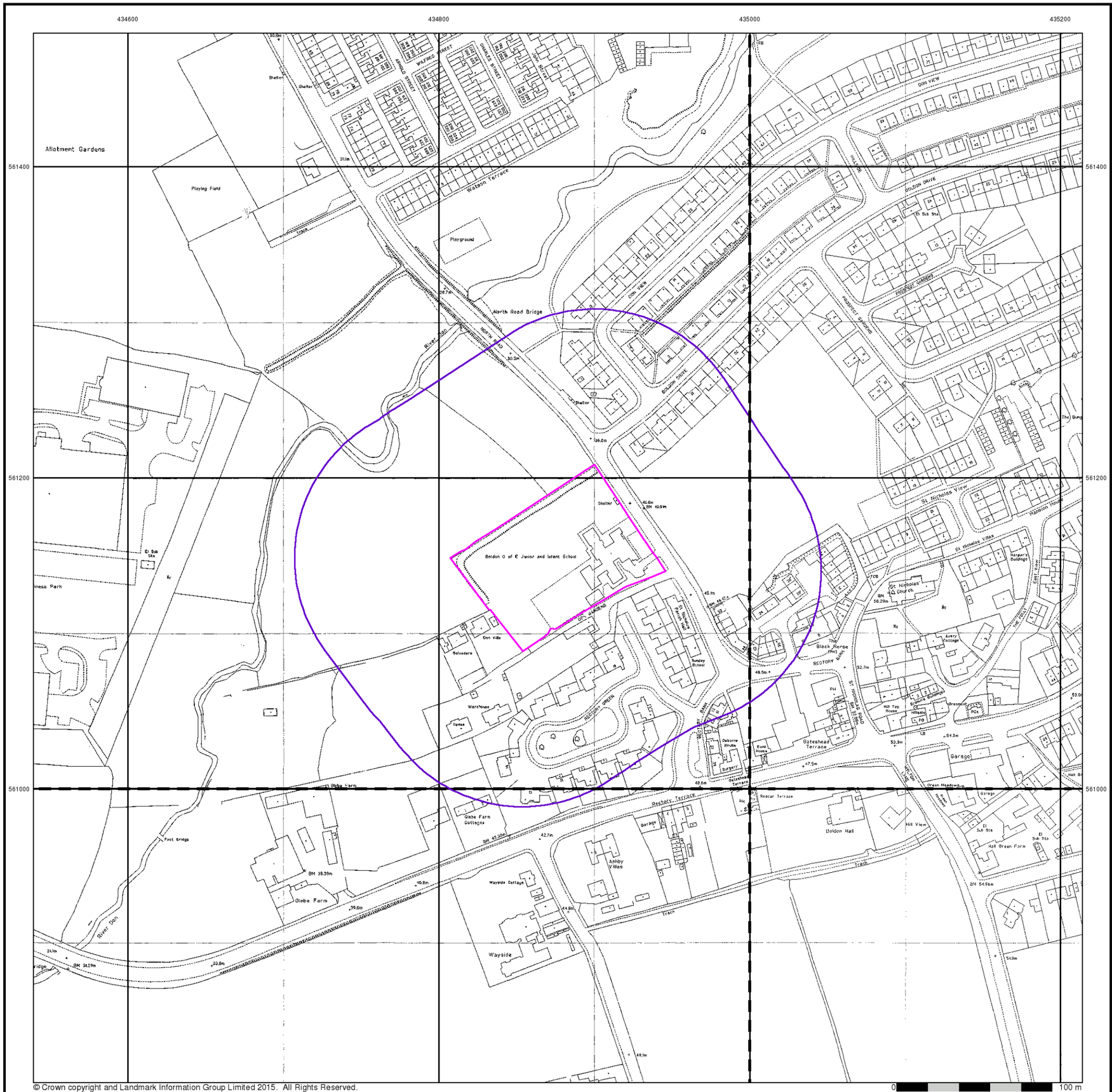


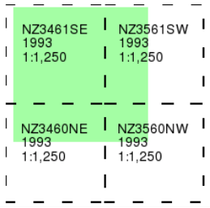
Large-Scale National Grid Data

Published 1993

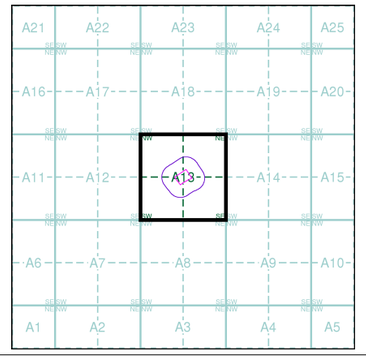
Source map scale - 1:1,250

'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:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	100

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

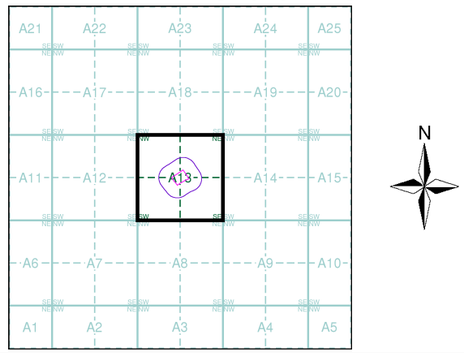


Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



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Search Buffer (m):	100

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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

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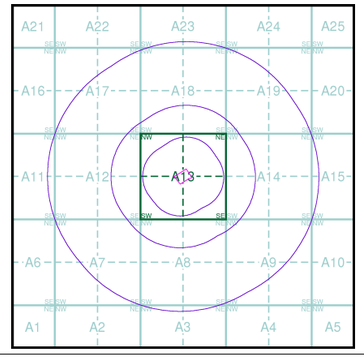
Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Durham	1:10,560	1862	3
Northumberland	1:10,560	1864	4
Durham	1:10,560	1898	5
Durham	1:10,560	1921	6
Durham	1:10,560	1938	7
Ordnance Survey Plan	1:10,000	1951 - 1952	8
Ordnance Survey Plan	1:10,000	1967 - 1968	9
Ordnance Survey Plan	1:10,000	1974 - 1977	10
Sunderland	1:10,000	1976	11
Newcastle-upon-Tyne	1:25,000	1977	12
Ordnance Survey Plan	1:10,000	1980 - 1987	13
Ordnance Survey Plan	1:10,000	1990 - 1994	14
10K Raster Mapping	1:10,000	2000	15
10K Raster Mapping	1:10,000	2006	16
VectorMap Local	1:10,000	2017	17

Historical Map - Slice A



Order Details

Order Number: 117253263_1_1
Customer Ref: 17-179 MH
National Grid Reference: 434880, 561150
Slice: A
Site Area (Ha): 0.83
Search Buffer (m): 1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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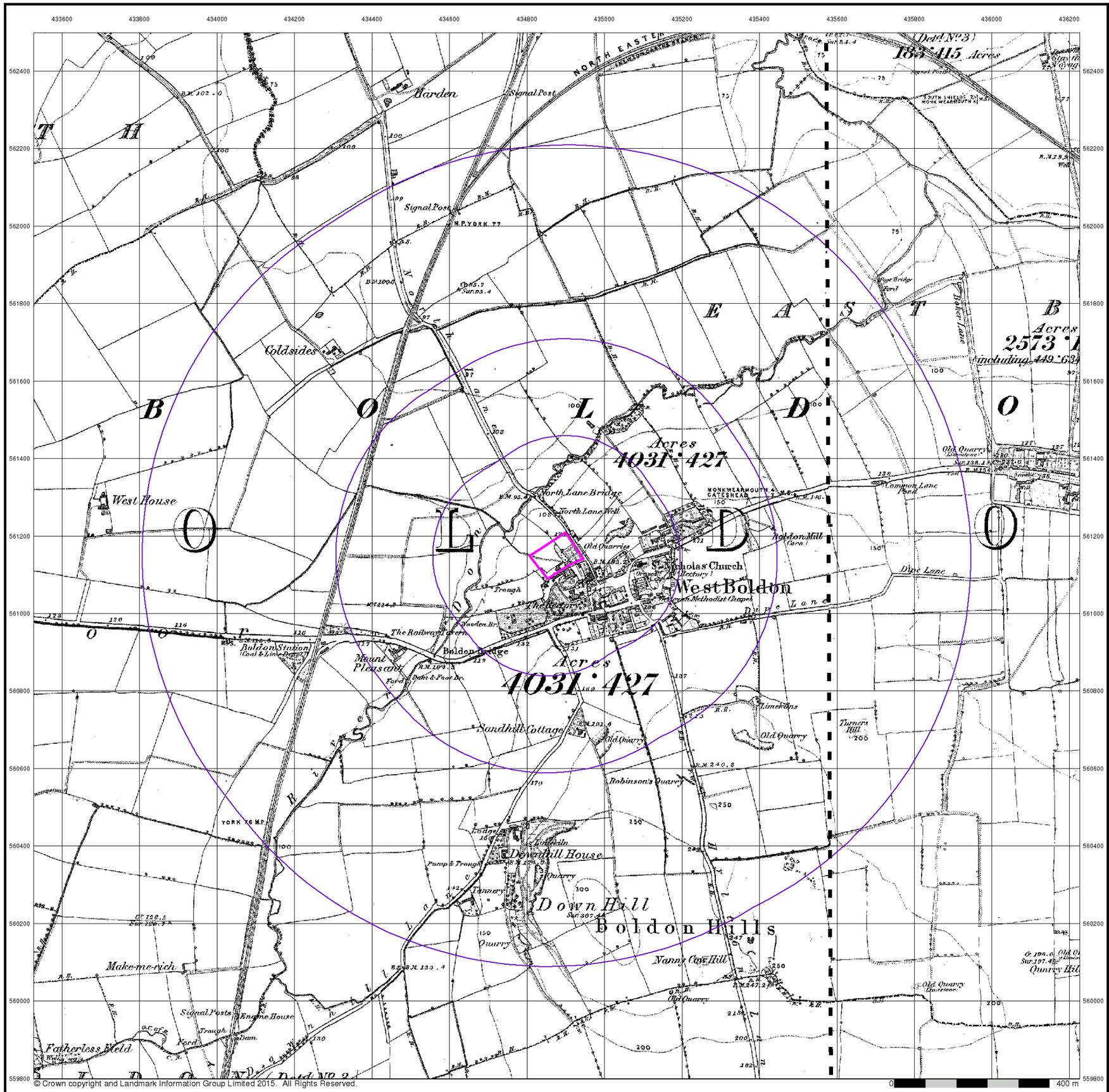
Web: www.envirocheck.co.uk



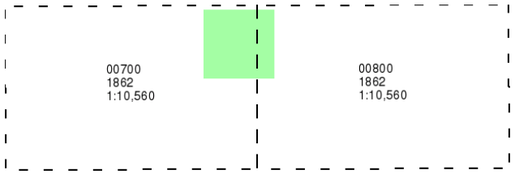
Durham

Published 1862

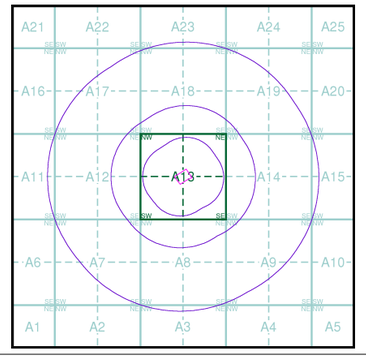
Source map scale - 1:10,560

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



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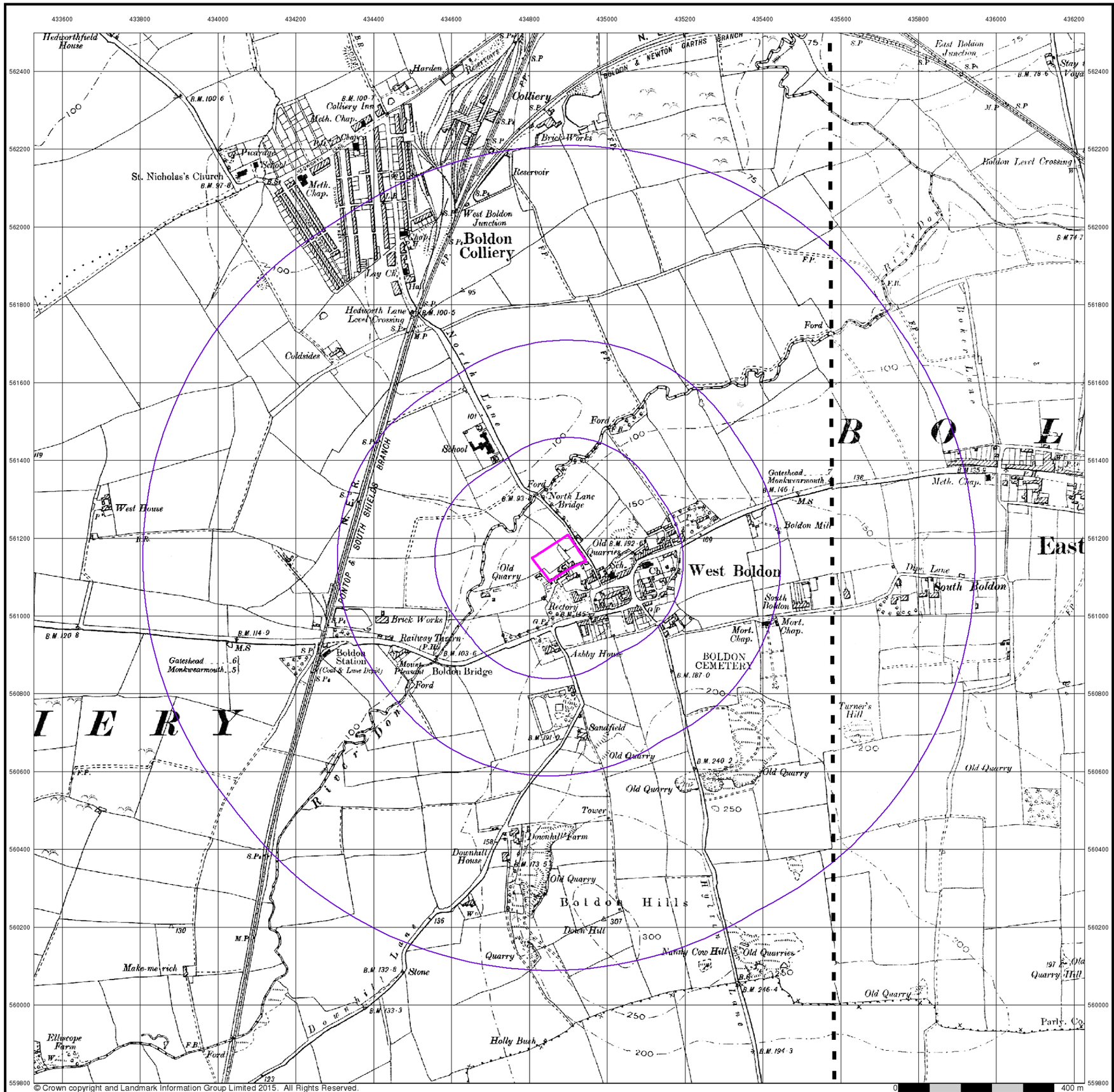

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0 400 m

Durham

Published 1898

Source map scale - 1:10,560

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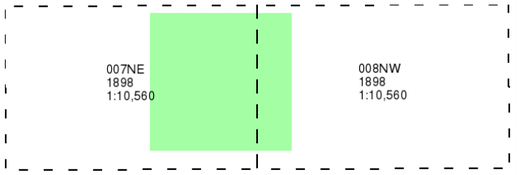
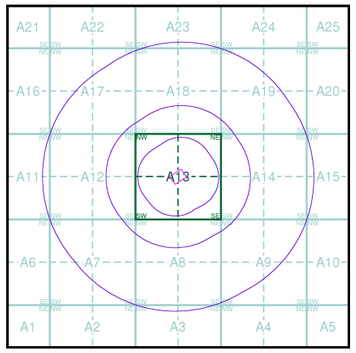
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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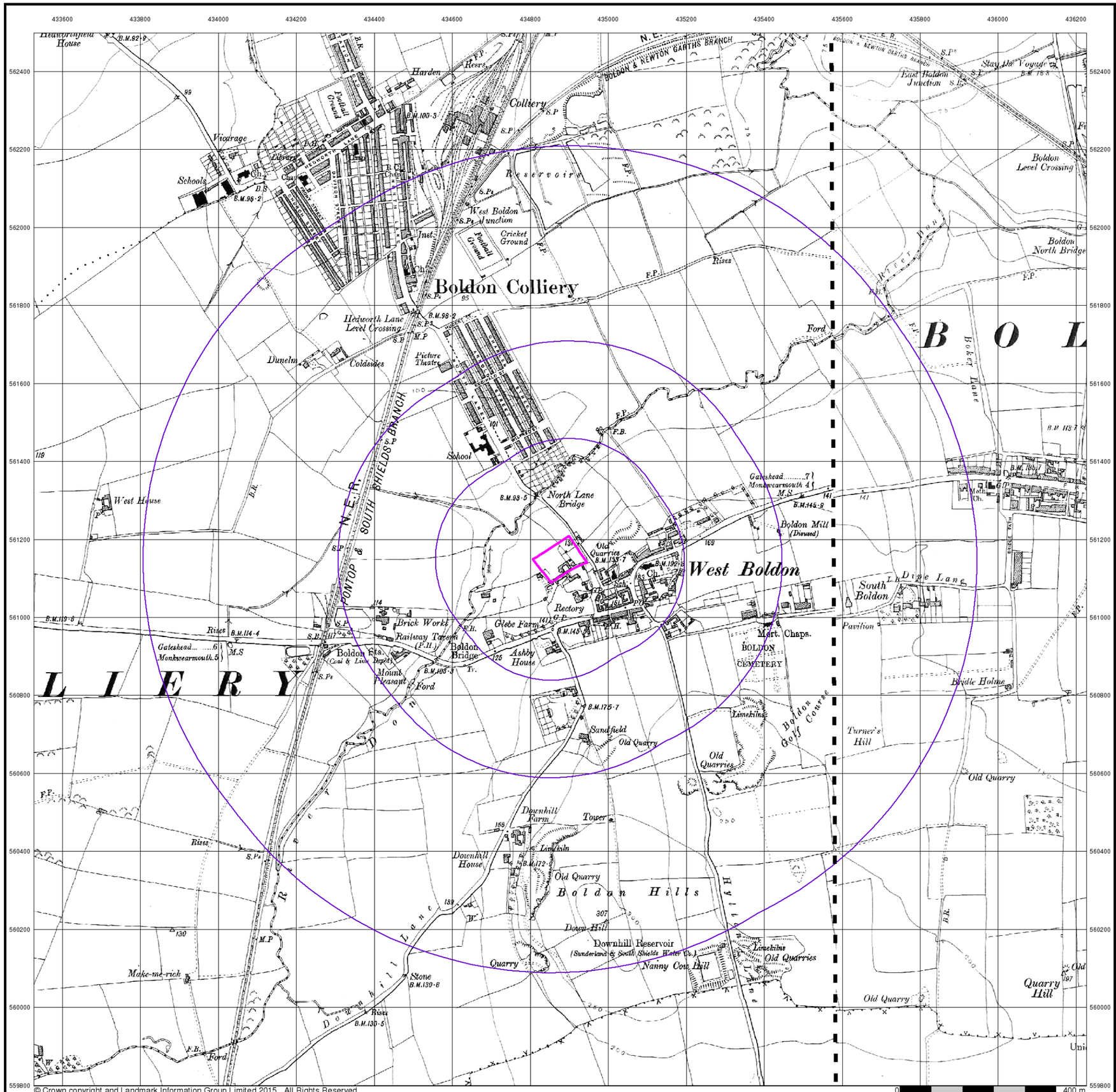

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Durham

Published 1921

Source map scale - 1:10,560

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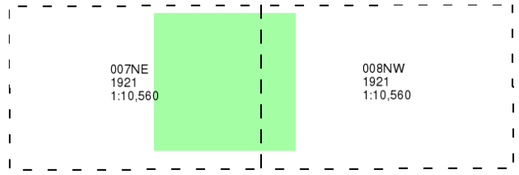
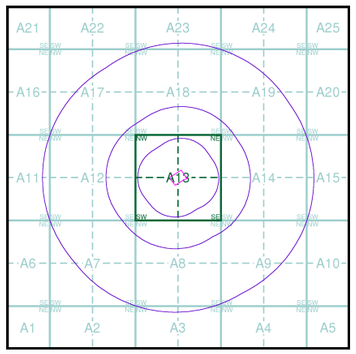
Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
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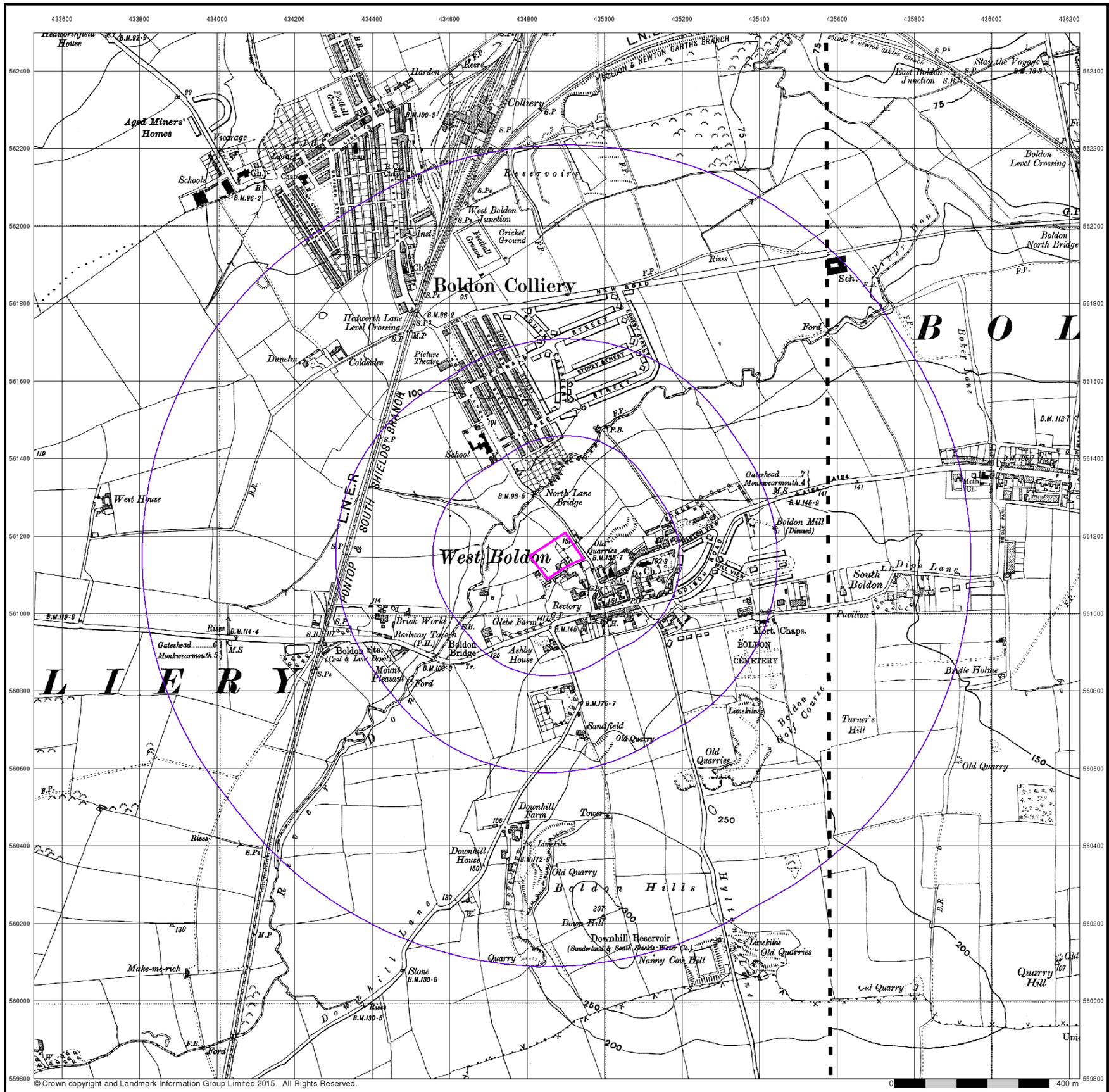

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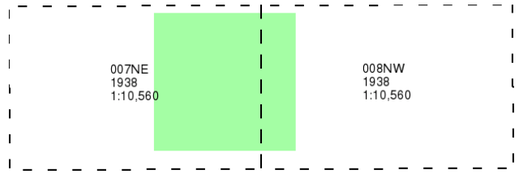
Durham

Published 1938

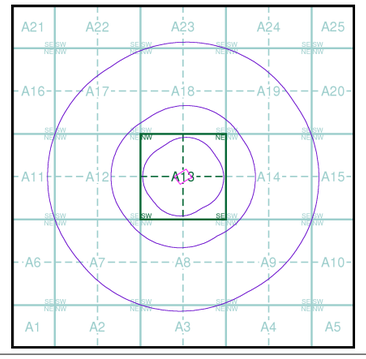
Source map scale - 1:10,560

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)



Historical Map - Slice A



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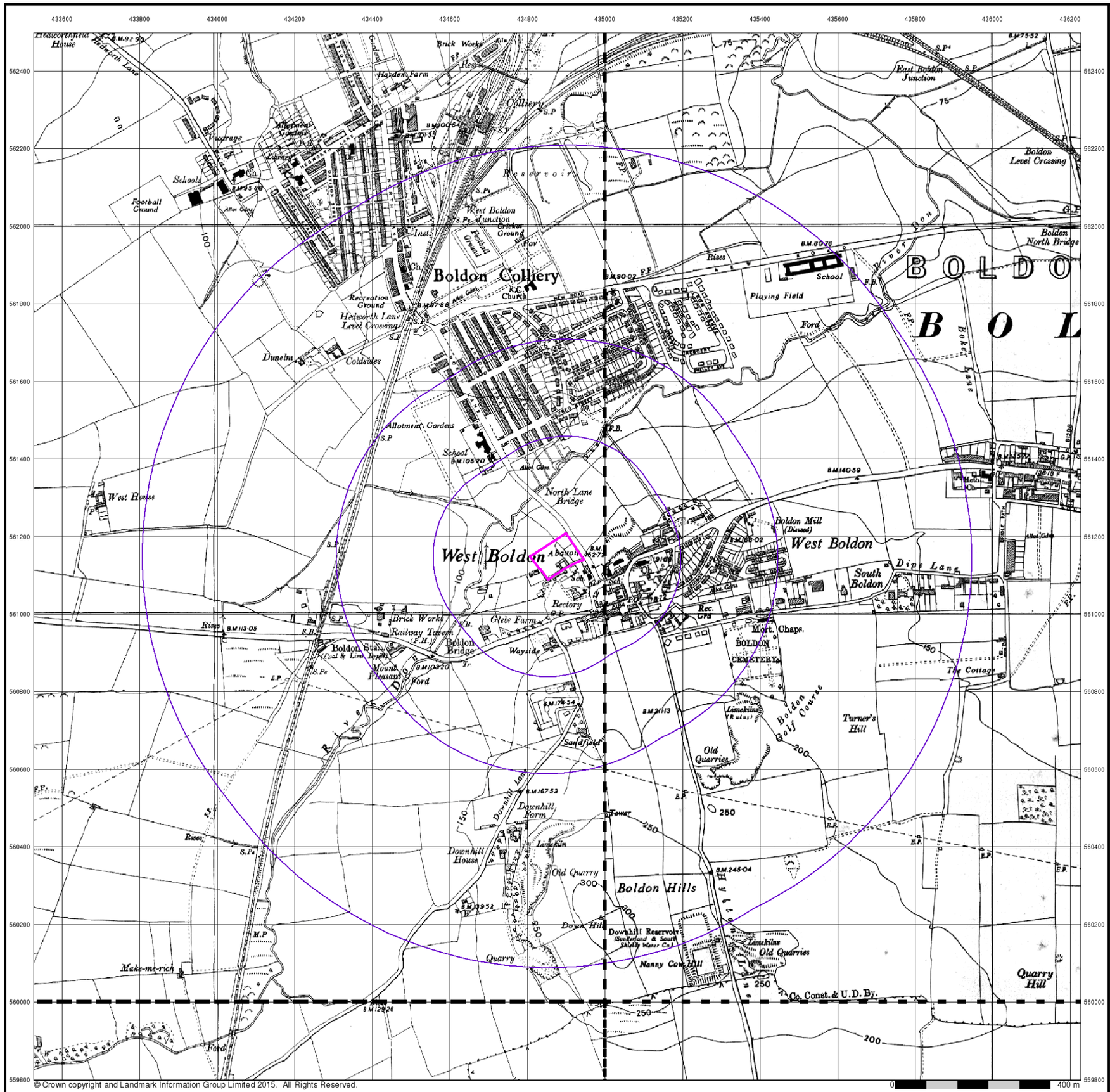


Ordnance Survey Plan

Published 1951 - 1952

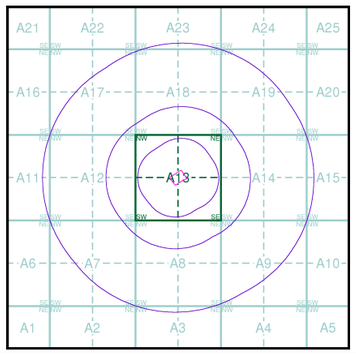
Source map scale - 1:10,000

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)

NZ36SW 1952 1:10,560	NZ36SE 1951 1:10,560
NZ35NW 1951 1:10,560	NZ35NE 1951 1:10,560

Historical Map - Slice A



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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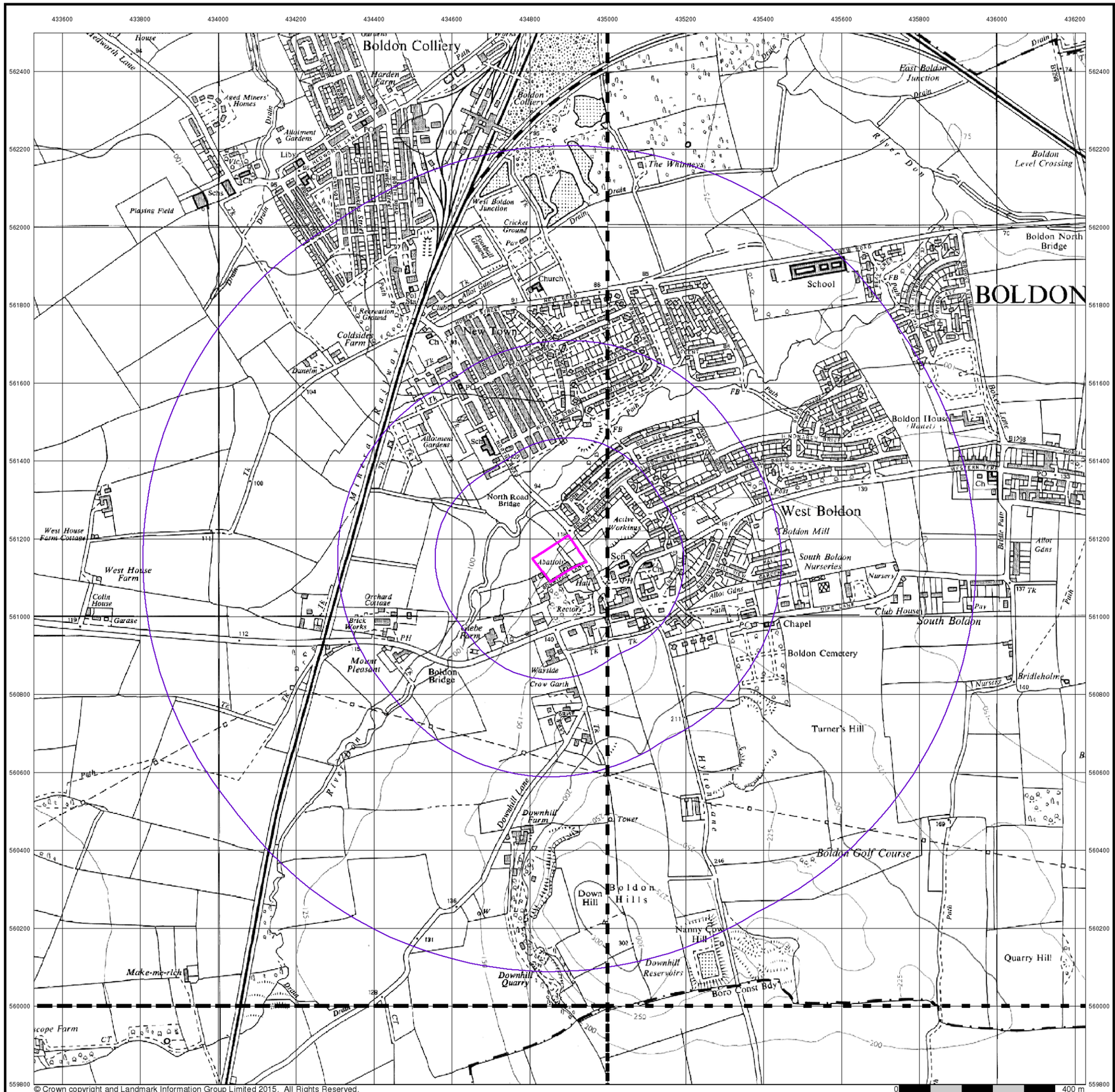

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Ordnance Survey Plan

Published 1967 - 1968

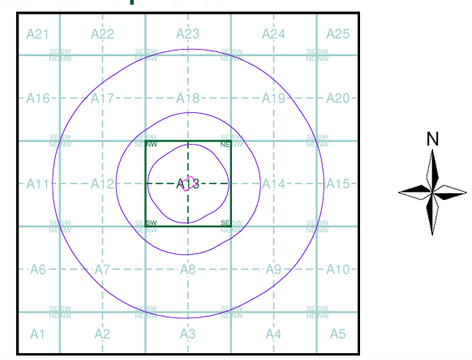
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

NZ36SW 1967 1:10,560	NZ36SE 1968 1:10,560
NZ35NW 1967 1:10,560	NZ35NE 1967 1:10,560

Historical Map - Slice A



Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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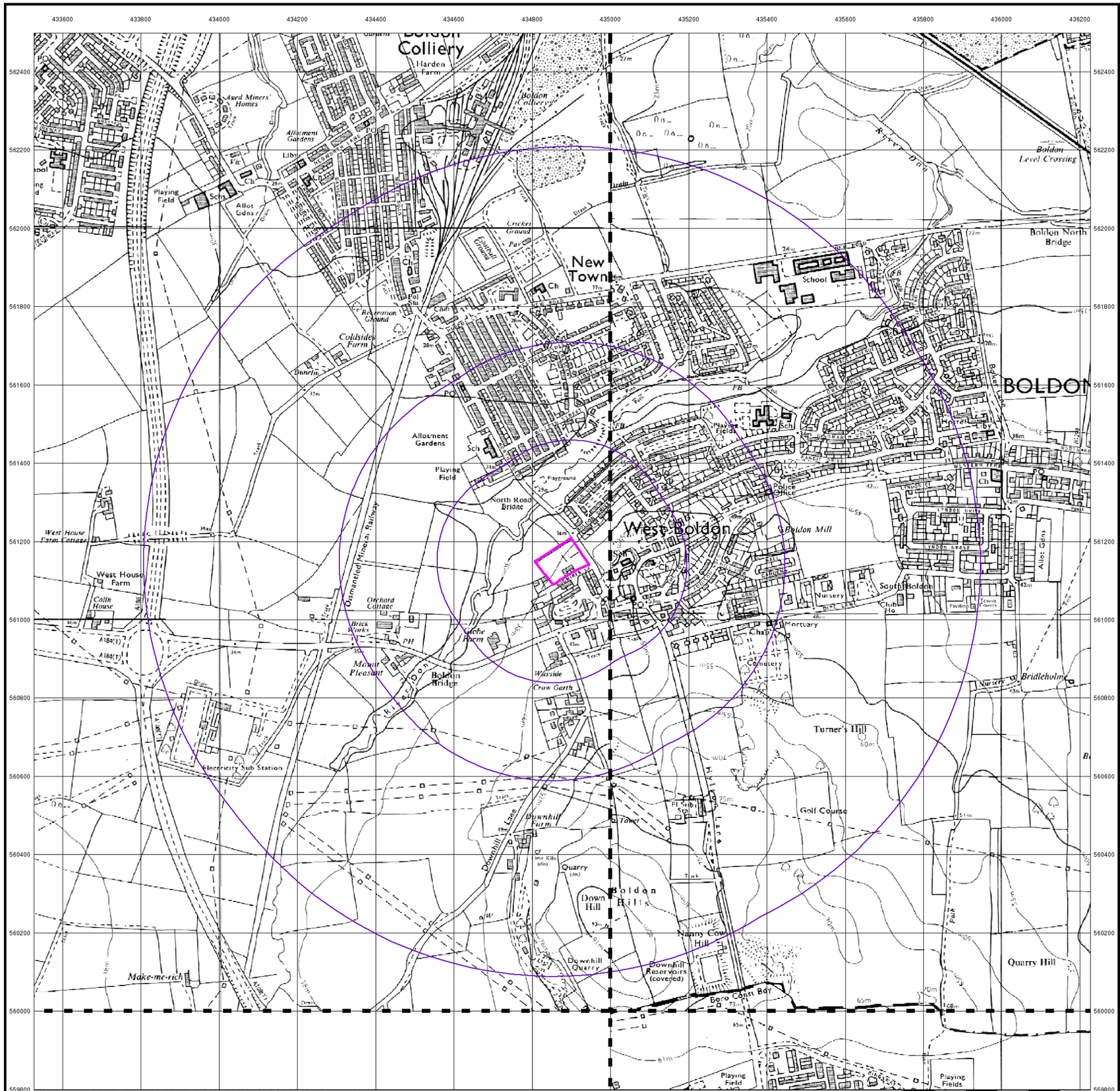

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Ordnance Survey Plan

Published 1974 - 1977

Source map scale - 1:10,000

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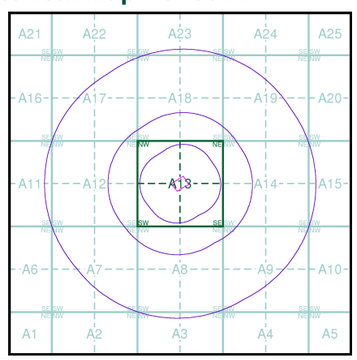
Map Name(s) and Date(s)

NZ36SW 1975 1:10,000

NZ36SE 1977 1:10,000

NZ35NE 1974 1:10,000

Historical Map - Slice A



Order Details

Order Number:	117253263_1_1
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National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

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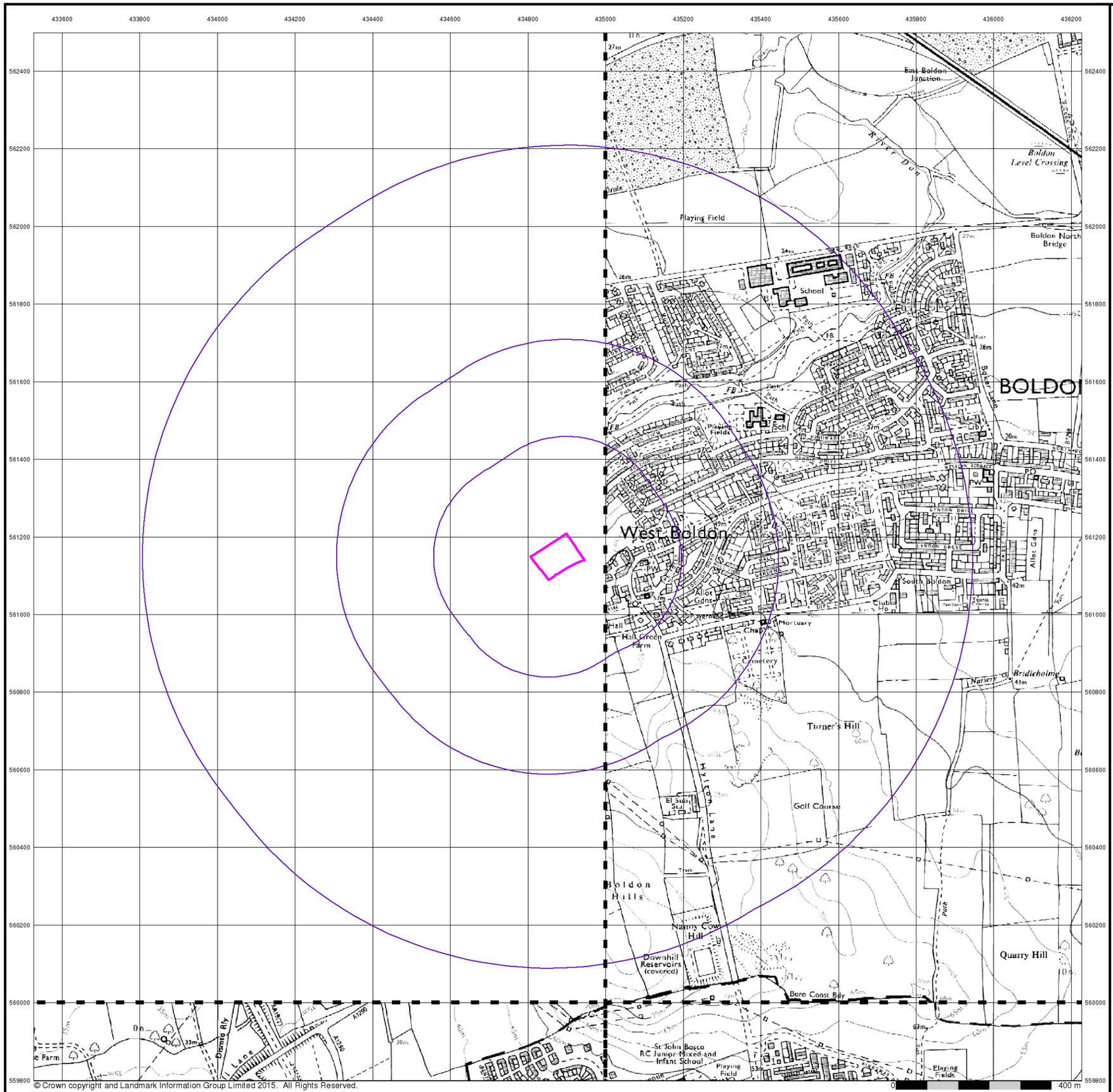

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Ordnance Survey Plan

Published 1980 - 1987

Source map scale - 1:10,000

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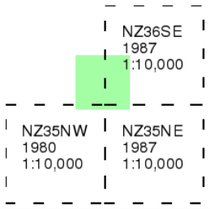
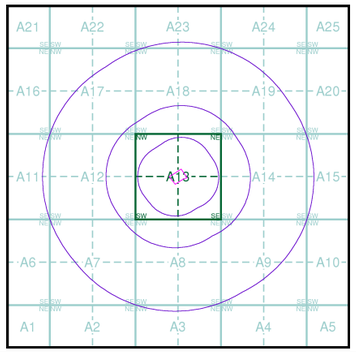
Map Name(s) and Date(s)



Historical Map - Slice A



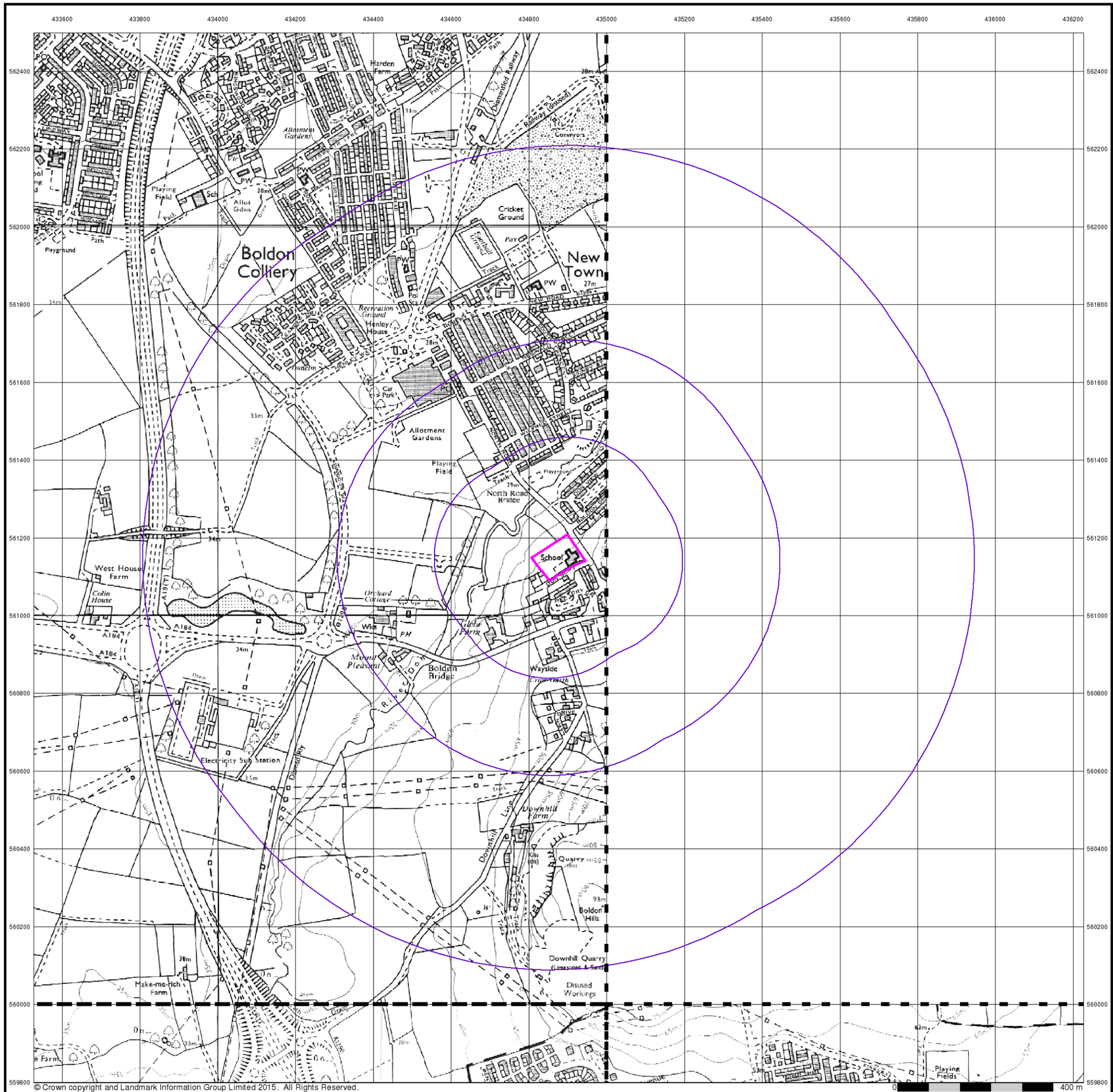
Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

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



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arc environmental

Ordnance Survey Plan

Published 1990 - 1994

Source map scale - 1:10,000

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

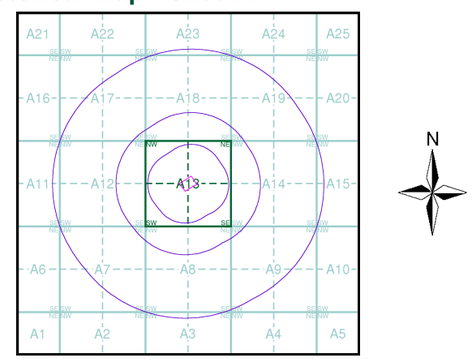
Map Name(s) and Date(s)

NZ36SW
1992
1:10,000

NZ35NW
1990
1:10,000

NZ35NE
1994
1:10,000

Historical Map - Slice A



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10k Raster Mapping

Published 2000

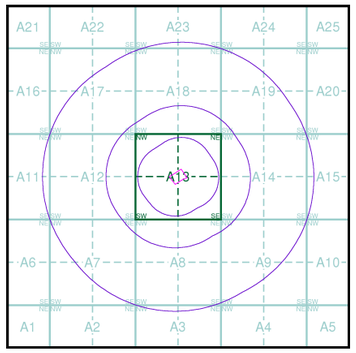
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

NZ36SW 2000 1:10,000	NZ36SE 2000 1:10,000
NZ35NW 2000 1:10,000	NZ35NE 2000 1:10,000

Historical Map - Slice A



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Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE

Landmark INFORMATION GROUP

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



10k Raster Mapping

Published 2006

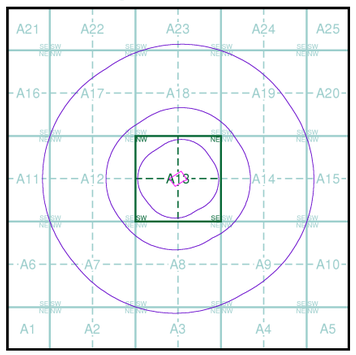
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

NZ36SW 2006 1:10,000	NZ36SE 2006 1:10,000
NZ35NW 2006 1:10,000	NZ35NE 2006 1:10,000

Historical Map - Slice A

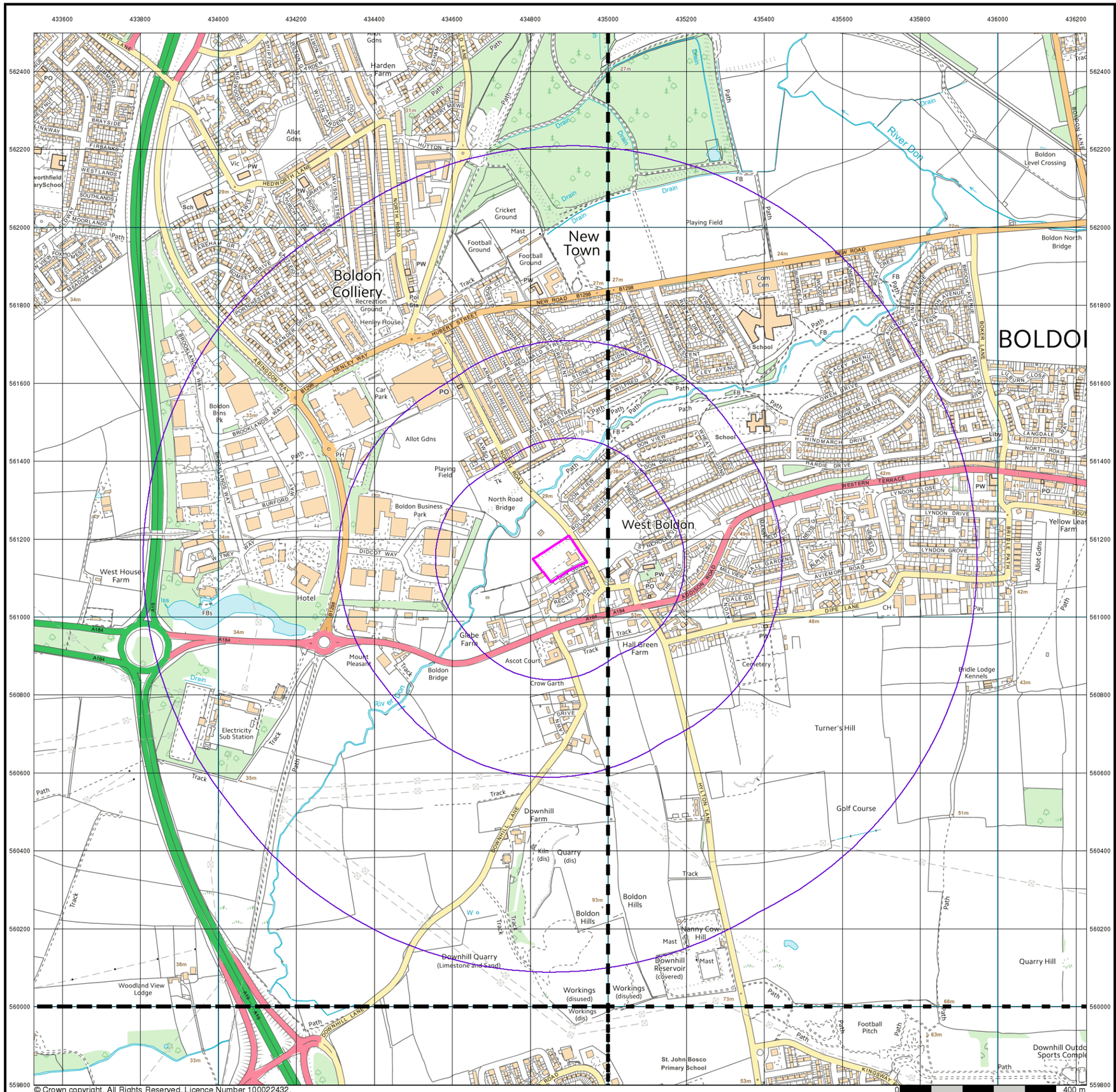


Order Details

Order Number:	117253263_1_1
Customer Ref:	17-179 MH
National Grid Reference:	434880, 561150
Slice:	A
Site Area (Ha):	0.83
Search Buffer (m):	1000

Site Details

Boldon CE Primary School, Rectory Bank, WEST BOLDON, NE36 0QE



VectorMap Local

Published 2017

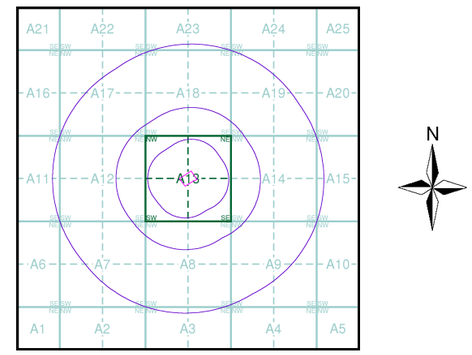
Source map scale - 1:10,000

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)

NZ36SW 2017 Variable	NZ36SE 2017 Variable
NZ35NW 2017 Variable	NZ35NE 2017 Variable

Historical Map - Slice A



Order Details

Order Number:	117253263_1_1
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Fax: 0844 844 9951
Web: www.envirocheck.co.uk

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
117253263_1_1

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17-179 MH

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Slice:
A

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Site Details:

Boldon CE Primary School
Rectory Bank
WEST BOLDON
NE36 0QE

Client Details:

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

Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
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Introduction

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

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

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Radon Potential dataset Copyright Notice

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

Report Version v50.0

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2			7	1
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 4			1	
Local Authority Pollution Prevention and Controls	pg 4		1	3	5
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5		Yes		
Pollution Incidents to Controlled Waters	pg 5		1		1
Prosecutions Relating to Authorised Processes	pg 6			1	
Registered Radioactive Substances	pg 6			9	
River Quality	pg 7		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 8				4
Water Industry Act Referrals	pg 8			2	
Groundwater Vulnerability	pg 9	Yes	n/a	n/a	n/a
Drift Deposits	pg 9	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 9	Yes	n/a	n/a	n/a
Source Protection Zones	pg 9		1		
Extreme Flooding from Rivers or Sea without Defences	pg 9		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 11		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 11		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	pg 12				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 12				3
Local Authority Landfill Coverage	pg 12	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 12		2	2	3
Potentially Infilled Land (Water)	pg 13		1	3	7
Registered Landfill Sites	pg 14				2
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					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 15	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 15	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 17		2	2	5
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 19	Yes	n/a	n/a	n/a
Mining Instability	pg 19	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 19	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 19		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 19		Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 20	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 21	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 22		4	9	51
Fuel Station Entries	pg 27		1		1
Points of Interest - Commercial Services	pg 28				18
Points of Interest - Education and Health	pg 29				1
Points of Interest - Manufacturing and Production	pg 29		1	2	5
Points of Interest - Public Infrastructure	pg 30			3	7
Points of Interest - Recreational and Environmental	pg 31		2	3	2
Gas Pipelines					
Underground Electrical Cables					

Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt	pg 32		1		
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	0	2	434850 561150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	8	2	434800 561148
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	54	2	435000 561148
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	63	2	434850 561250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	92	2	434877 561300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (S)	100	2	434900 561000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	105	2	434750 561050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (W)	118	2	434700 561100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	127	2	434950 561000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	142	2	434900 561350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	176	2	434700 561000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	196	2	435000 560950
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	215	2	434650 561000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	244	2	434900 560850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (S)	245	2	434800 560850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	262	2	435000 561450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	280	2	435000 560850
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	305	2	434950 560800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	308	2	435050 560850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (SW)	317	2	434600 560900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	324	2	435000 560800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	328	2	435050 561500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	349	2	435050 560800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (NE)	396	2	435100 561550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	434	2	434400 561000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	439	2	434850 560650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	455	2	435200 561550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A7NE (SW)	496	2	434450 560800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	500	2	434750 560600
1	**Discharge Consents** Operator: Carlton Developments Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Glebe Farm, Newcastle Road, Boldon, South Tyneside Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/1892 Permit Version: 1 Effective Date: 26th August 2004 Issued Date: 26th August 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge 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 100m	A13SW (SW)	255	3	434600 561000
2	**Discharge Consents** Operator: Punch Taverns (Pml) Limited Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Travelling Man Public House, West Boldon, Tyne & Wear Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1607 Permit Version: 2 Effective Date: 5th February 2000 Issued Date: 15th April 1997 Revocation Date: 19th October 2007 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Revoked: Discharge ceased (Water Act 1989, Schedule 12 & 6)** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	347	3	434560 560900
3	**Discharge Consents** Operator: Unknown, Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Railway Tavern, The, West Boldon, County Durham Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/D/0058 Permit Version: 1 Effective Date: 27th May 1966 Issued Date: 27th May 1966 Revocation Date: 7th August 1992 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	349	3	434600 560850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Mr D Colley Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Mount Pleasant Farm, West Boldon, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1208 Permit Version: 1 Effective Date: 24th August 1992 Issued Date: 24th August 1992 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don (Tyne) **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	383	3	434530 560880
4	**Discharge Consents** Operator: Mr D Colley Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Mount Pleasant Farm, West Boldon, Tyne And Wear Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: 235/C/0101 Permit Version: 1 Effective Date: 17th November 1967 Issued Date: 17th November 1967 Revocation Date: 24th August 1992 Discharge Type: Agriculture - Livestock Farming Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	395	3	434500 560900
5	**Discharge Consents** Operator: Prestige Inns Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Travelling Man Public House, West Boldon Authority: Environment Agency, North East Region Catchment Area: Not Given Reference: 235/1607 Permit Version: 1 Effective Date: 15th April 1997 Issued Date: 15th April 1997 Revocation Date: 4th February 2000 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: 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	A12SE (W)	434	3	434400 561000
5	**Discharge Consents** Operator: Prestige Inns Property Type: WWTW (NOT WATER CO) (NOT STP AT A PRIVATE PREMISES) Location: Travelling Man Public House, West Boldon Authority: Environment Agency, North East Region Catchment Area: Tyne (Lower)/Team/Don Reference: 235/1159 Permit Version: 1 Effective Date: 19th August 1992 Issued Date: 19th August 1992 Revocation Date: 30th September 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Don **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A12SE (W)	434	3	434400 561000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: National Grid Electricity Transmission Plc Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: West Boldon Environmental Education, Newcastle Road, West Boldon, Tyne And Wear, Ne36 0bg Authority: Environment Agency, North East Region Catchment Area: Not Supplied Reference: Npswqd009462 Permit Version: 1 Effective Date: 23rd December 2009 Issued Date: 23rd December 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of 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	A7NE (SW)	733	3	434291 560620
7	**Local Authority Integrated Pollution Prevention And Control** Name: Hashimoto Ltd Location: Unit 5 Didcot Way, Boldon Lane Business Park, Boldon, Ne35 9pd Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: 003/1/6.4(a)/A2 Dated: 13th July 1994 Process Type: Other Activities Description: Surface treatment using organic solvents **Status:** **Permit Issued** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	261	4	434550 561190
8	**Local Authority Pollution Prevention and Controls** Name: Bank Top Garage Location: Addison Road, WEST BOLDON, Tyne and Wear, NE36 0RA Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: 067/1.4(B) Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	235	4	435149 561022
9	**Local Authority Pollution Prevention and Controls** Name: Hashimoto Ltd Location: Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: 003/1/6.4(a)/A2 Dated: 13th July 1994 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic **Status:** **Transferred to LAIPPC** Positional Accuracy: Manually positioned to the address or location	A13NW (W)	261	4	434550 561190
10	**Local Authority Pollution Prevention and Controls** Name: Thorn Emi Uk Rentals Location: Unit 9 Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: 029/6.5(A) Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/23 Coating of metal and plastic **Status:** **Authorised** Positional Accuracy: Manually positioned to the address or location	A12SE (W)	373	4	434438 561103
11	**Local Authority Pollution Prevention and Controls** Name: Hashimoto Ltd Location: Unit 1 Didcot Way, Boldon Business Park, Boldon Colliery, Ne35 9pd Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: STC/09/6.4(a)/B Dated: 4th February 2010 Process Type: Local Authority Pollution Prevention and Control Description: PG6/32 Adhesive coating **Status:** **Permitted** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	436	4	434384 561249

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	**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	A17SE (NW)	621	4	434478 561674
13	**Local Authority Pollution Prevention and Controls** Name: M & S Automotive Coatings Location: Unit 8 Burford Way, Boldon Buisness Park, Boldon, Ne35 9pz Authority: South Tyneside Metropolitan Borough Council, Environmental Health Department Permit Reference: Not Supplied Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic **Status: Application Not Yet Authorised** Positional Accuracy: Located by supplier to within 100m	A12NW (W)	724	4	434100 561300
14	**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	A17SE (NW)	769	4	434400 561800
15	**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	A17SW (W)	881	4	434000 561500
16	**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	A17SW (NW)	921	4	434014 561616
	Nearest Surface Water Feature	A13NW (NW)	77	-	434768 561216
17	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: WEST BOLDON Authority: Environment Agency, North East Region Pollutant: Not Given Note: Don Incident Date: 10th November 1990 Incident Reference: 235/000367 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	186	3	434700 561300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Pollution Incidents to Controlled Waters** Property Type: Other General Premises Location: Boldon Authority: Environment Agency, North East Region Pollutant: Not Given Note: Mount Pleasant Marsh Incident Date: 13th July 1994 Incident Reference: 235/002410 Catchment Area: Not Given Receiving Water: Pond/Lake Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12SW (W)	750	3	434100 560900
19	**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	A13NW (NW)	284	3	434726 561434
20	**Registered Radioactive Substances** Name: Ids Ltd Location: 10 Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: AA1481 Dated: 19th June 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation dated pre April 1991 **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	446	3	434365 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: 10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: Ca1693 Dated: 13th March 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: UNIT 10, 10 Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: Bw5179 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: 10 Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: Bk5975 Dated: 6th April 2001 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	**Registered Radioactive Substances** Name: Ids Ltd Location: 10 Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: Bk5967 Dated: 6th April 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: Unit 10, Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: Bi9332 Dated: 11th August 2000 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: Unit 10, Didcot Way, Boldon Business Park, Boldon Colliery, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: Bi9324 Dated: 11th August 2000 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: Unit 10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: AH5345 Dated: 10th February 1993 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	3	434360 561091
20	**Registered Radioactive Substances** Name: Ids Ltd Location: Unit 10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne And Wear, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: AC1172 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SE (W)	452	3	434360 561086
	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	A13NW (NW)	126	3	434767 561289

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	**Water Abstractions** Operator: North East Property Partnership Ltd Licence Number: 1/23/05/028 Permit Version: 103 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: 3rd November 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A12SW (W)	889	3	433920 561110
21	**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	A12SW (W)	889	3	433920 561110
21	**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	A12SW (W)	889	3	433920 561110
21	**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	A12SW (W)	889	3	433920 561110
22	**Water Industry Act Referrals** Name: Hashimoto Ltd Location: UNIT 1 DIDCOT WAY, BOLDON BUSINESS PARK, BOLDON, TYNE AND WEAR, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: AB4702 Dated: 31st October 1991 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application cancelled** Positional Accuracy: Automatically positioned to the address	A12NE (W)	434	3	434384 561244

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Water Industry Act Referrals** Name: Hashimoto Ltd Location: UNIT 5 DIDCOT WAY, BOLDON BUSINESS PARK, BOLDON COLLIERY, TYNE AND WEAR, NE35 9PD Authority: Environment Agency, North East Region Permit Reference: AV1696 Dated: 1st March 1996 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations **Status: Application received by the EA but is not yet authorisedNot Yet Authorised** Positional Accuracy: Automatically positioned to the address	A12NE (W)	436	3	434384 561249
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 5 Tyne and Tees Scale: 1:100,000	A13SE (E)	0	3	434877 561148
	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	A13NE (E)	0	3	434902 561149
	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	A13SE (E)	0	3	434877 561148
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13SE (E)	0	2	434911 561143
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (E)	0	2	434877 561148
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (E)	0	2	434877 561148
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13NW (NW)	0	2	434847 561178
23	**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.	A13SE (SE)	48	3	434977 561100
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	74	3	434775 561225
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	107	3	434862 561308
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	111	3	434850 561309
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	121	3	434870 561325
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	122	3	434870 561327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	124	3	434875 561330
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	129	3	434875 561334
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	138	3	434884 561345
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	139	3	434885 561346
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	142	3	434820 561325
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	142	3	434888 561350
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	145	3	434890 561353
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SW (W)	147	3	434666 561109
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	147	3	434892 561355
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	151	3	434895 561359
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	152	3	434895 561360
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	157	3	434900 561365
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	162	3	434904 561370
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	163	3	434855 561365
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	164	3	434850 561364
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	166	3	434855 561367

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	167	3	434860 561370
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	168	3	434860 561371
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	172	3	434915 561380
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	173	3	434916 561380
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	175	3	434920 561382
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (NW)	74	3	434765 561210
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
24	**Detailed River Network Lines** River Type: Primary River River Name: River Don Hydrographic Area: B13 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	A13NW (NW)	79	3	434766 561217
	Detailed River Network Offline Drainage None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	**Historical Landfill Sites** Licence Holder: Cleartop Limited Location: Downhill Lane, Boldon, Tyne and Wear Name: Downhill Quarry North Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD06287 First Input Date: 17th March 1980 Last Input Date: 28th April 1994 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: 67442 Regis Ref: TWR/L/CLE002 WRC Ref: 4500/0150 BGS Ref: Not Supplied Other Ref: ST 042, TW 058 ST, TW 085 ST, 4500/0298, ST 011	A8SE (S)	630	3	434964 560468
26	**Licensed Waste Management Facilities (Locations)** Licence Number: 0 Location: Downhill Lane, West Boldon, Tyne & Wear, NE36 0AX Operator Name: John T Barnes Operator Location: Downhill Quarry, Downhill Lane, Boldon, Tyne & Wear, NE36 0AX Authority: Environment Agency - North East Region, Northumbria Area Site Category: Household, Commercial And Industrial Waste Landfills **Licence Status: Surrendered** Issued: 17th March 1980 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 31st March 1994 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	890	3	434900 560200
26	**Licensed Waste Management Facilities (Locations)** Licence Number: 64463 Location: Downhill Lane, West Boldon, Tyne & Wear, NE36 0AX Operator Name: John T Barnes Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Waste Landfills **Licence Status: Surrendered** Issued: 17th March 1980 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 31st March 1994 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	890	3	434900 560200
27	**Licensed Waste Management Facilities (Locations)** Licence Number: 67442 Location: Downhill Lane, Boldon, Tyne & Wear, NE36 OAX Operator Name: Cleartop Ltd Operator Location: Not Supplied Authority: Environment Agency - North East Region, North East Area Site Category: Household, Commercial And Industrial Waste Landfills **Licence Status: Surrendered** Issued: 10th October 1981 Last Modified: 11th December 1987 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 28th April 1994 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SW (S)	891	3	434800 560200
	Local Authority Landfill Coverage Name: South Tyneside Metropolitan Borough Council - Has no landfill data to supply		0	5	434877 561148
28	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (SW)	75	-	434762 561084
29	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A13NE (E)	126	-	435049 561211

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	**Potentially Infilled Land (Non-Water)** Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A13SW (SW)	253	-	434594 561014
31	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A8NE (S)	443	-	435002 560671
32	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A9NW (SE)	522	-	435314 560770
33	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A8NE (SE)	602	-	435180 560584
34	**Potentially Infilled Land (Non-Water)** Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1987	A17SE (NW)	710	-	434512 561803
35	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1862	A13NW (N)	246	-	434807 561435
36	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A8NW (S)	293	-	434821 560798
37	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A8NE (S)	321	-	434880 560770
38	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1951	A18SE (NE)	374	-	435079 561537
39	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1862	A17SE (NW)	761	-	434268 561685
40	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A18NW (N)	771	-	434834 561976
41	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18NW (N)	782	-	434844 561988
42	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1862	A14NE (E)	786	-	435706 561338
43	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A17SE (NW)	822	-	434270 561770
44	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18NE (N)	879	-	434965 562085
45	**Potentially Infilled Land (Water)** Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1952	A18NW (N)	883	-	434677 562062

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**Registered Landfill Sites** Licence Holder: Cleartop Ltd Licence Reference: TW 85 ST Site Location: Downhill Quarry, Downhill Lane, BOLDON, Tyne and Wear, NE36 0AX Licence Easting: 434900 Licence Northing: 560200 Operator Location: As Site Address Authority: Environment Agency - North East Region, Northumbria Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence known to be surrenderedSurrendered Dated: 10th October 1981 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Tyne & Wear A, In Emergency Tyne & Wear B, Renfrew B. * Tyne & Wear/Renfrew A.-Dom/Com/Ind. * Tyne And Wear C, Renfrew C * Tyne And Wear D I, Renfrew D I, * Tyne And Wear D Ii, Renfrew D Ii, * Tyne And Wear E, Renfrew E, * Tyne And Wear F, In Emergency Prohibited Waste: Domestic Refuse Liquid Wastes Special Wastes Tyne And Wear G -Restricted * Tyres Waste Oils	A8SE (S)	890	3	434900 560200
46	**Registered Landfill Sites** Licence Holder: J T Barnes Ltd Licence Reference: TW 58 ST Site Location: Downhill Quarry, Downhill Lane, BOLDON, Tyne and Wear, NE36 0AX Licence Easting: 434900 Licence Northing: 560200 Operator Location: As Site Address Authority: Environment Agency - North East Region, Northumbria Area Site Category: Landfill Max Input Rate: Very Large (Equal to or greater than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence known to be surrenderedSurrendered Dated: 17th March 1980 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Tyne & Wear A.-Dom/Com/Ind. * Tyne & Wear B.-Dom/Com/Ind. * Tyne And Wear C -Rubble * Tyne And Wear Di -Coh.Inorg * Tyne And Wear Dii -Coh.Inorg * Tyne And Wear E -Frict.Inorg * Tyne And Wear F -Incin.Res * Prohibited Waste: Liquid Wastes Liquified Gas / Gas Under Pressure Notifiable Wastes Waste Oil	A8SE (S)	890	3	434900 560200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Permian Rocks (Undifferentiated)	A13SE (E)	0	2	434877 561148
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	0	2	434877 561148
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	24	2	434969 561140
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	54	2	435000 561148
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	89	2	434877 561000
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	113	2	435000 561261
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	218	2	435032 561381

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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (NE)	244	2	435020 561421
	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: <100 mg/kg Nickel Concentration: 30 - 45 mg/kg	A12NE (W)	370	2	434477 561313
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (NE)	447	2	435188 561550
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	519	2	435246 561594
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	661	2	435500 561500
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	690	2	435534 561500

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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	742	2	435500 561644
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	782	2	435500 561709
	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: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NE (N)	798	2	435000 562000
	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: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A14SE (E)	873	2	435805 560989
47	**BGS Recorded Mineral Sites** Site Name: West Boldon Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99191 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A13SW (SW)	79	2	434763 561077
48	**BGS Recorded Mineral Sites** Site Name: North Lane Bridge Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99143 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Raisby Formation (Lower Magnesian Limestone) Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A13NE (E)	131	2	435052 561217

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
49	**BGS Recorded Mineral Sites** Site Name: West Boldon Location: , West Boldon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99148 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Raisby Formation (Lower Magnesian Limestone) Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A8NE (S)	424	2	434988 560687
50	**BGS Recorded Mineral Sites** Site Name: West Boldon Brick Works Location: , Bolden, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99192 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Upper Coal Measures Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SE (W)	484	2	434350 560991
51	**BGS Recorded Mineral Sites** Site Name: Robinson'S Quarry Location: , West Boldon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99150 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Roker Formation (Upper Magnesian Limestone) Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	616	2	435213 560585
52	**BGS Recorded Mineral Sites** Site Name: West Boldon Location: , West Boldon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99149 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Roker Formation (Upper Magnesian Limestone) Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	641	2	435386 560675
53	**BGS Recorded Mineral Sites** Site Name: Down Hill Location: , West Boldon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99151 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Raisby Formation (Lower Magnesian Limestone) Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A8SW (S)	758	2	434828 560332
54	**BGS Recorded Mineral Sites** Site Name: Down Hill Location: , West Boldon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99152 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Raisby Formation Commodity: Dolomite Positional Accuracy: Located by supplier to within 10m	A8SW (S)	926	2	434787 560166

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**BGS Recorded Mineral Sites** Site Name: Down Hill Location: , West Boldon, South Shields, Tyne & Wear Source: British Geological Survey, National Geoscience Information Service Reference: 99152 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Permian Geology: Yellow Sands Formation (Basal Permian Sands) Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A8SW (S)	926	2	434787 560166
	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.	A13SE (E)	0	6	434877 561148
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (E)	0	-	434877 561148
	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	A13SE (E)	0	2	434877 561148
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	52	2	434796 561203
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	2	435000 561148
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	2	434877 561148
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	52	2	434796 561203
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	2	435000 561148
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	87	2	435016 561190
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	109	2	434769 561253
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	205	2	434690 560966
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	206	2	434950 561408
	Potential for Compressible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	240	2	435000 561427
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	2	434877 561148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	24	2	434969 561140
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	2	435000 561148
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	113	2	435000 561261
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	157	2	435000 560993
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	2	434877 561148
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	52	2	434796 561203
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	2	435000 561148
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	76	2	434732 561148
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	127	2	434919 561333
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	434847 561178
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	2	434877 561148
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	34	2	434814 561200
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	50	2	434982 561176
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	52	2	434796 561203
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	2	435000 561141
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	55	2	435000 561148
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	87	2	435016 561190
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	214	2	435023 561383
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	2	434877 561148
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	2	434847 561178
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	35	2	434814 561200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	50	2	434982 561176
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	2	435000 561141
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	55	2	435000 561148
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	188	2	434910 561396
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	214	2	435023 561383
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	240	2	435000 561427
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	0	2	434850 561150
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	2	434877 561148
	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 (W)	0	2	434850 561150
	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	A13SE (E)	0	2	434877 561148

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	**Contemporary Trade Directory Entries** Name: Four Seasons Location: 16, Prospect Gardens, West Boldon, East Boldon, Tyne and Wear, NE36 0JQ Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (E)	185	-	435105 561233
56	**Contemporary Trade Directory Entries** Name: Springfield Suzuki Location: Bank Top Garage, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QZ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	244	-	435152 561010
56	**Contemporary Trade Directory Entries** Name: Boldon Autoport Ltd Location: Bank Top Garage, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QZ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	244	-	435152 561010
56	**Contemporary Trade Directory Entries** Name: Springfield Suzuki Location: Bank Top Garage, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QZ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	244	-	435152 561010
57	**Contemporary Trade Directory Entries** Name: Boldon Waste Removals Location: 198, Arnold Street, Boldon Colliery, Tyne and Wear, NE35 9AZ Classification: Rubbish Clearance **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	299	-	434782 561482
58	**Contemporary Trade Directory Entries** Name: Gary Owens Location: 9, Addison Road, West Boldon, East Boldon, Tyne and Wear, NE36 0QY Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	392	-	435330 561216
59	**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	A18SW (NW)	402	-	434685 561548
60	**Contemporary Trade Directory Entries** Name: Feltec Europe Ltd Location: 1-7, Didcot Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PD Classification: Car Component Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	436	-	434384 561249
61	**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	A18SW (NW)	447	-	434634 561568
61	**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	A18SW (NW)	467	-	434657 561607
62	**Contemporary Trade Directory Entries** Name: I D S Location: 9-10, Didcot Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PD Classification: Pharmaceutical Manufacturers & Distributors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	451	-	434360 561091

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	**Contemporary Trade Directory Entries** Name: Cooper Sunderland Location: Newcastle Road, West Boldon, East Boldon, NE36 0BQ Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SE (W)	471	-	434370 560974
63	**Contemporary Trade Directory Entries** Name: Cooper B M W Location: Newcastle Road, West Boldon, East Boldon, Tyne and Wear, NE36 0BQ Classification: Car Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SE (W)	484	-	434354 560979
64	**Contemporary Trade Directory Entries** Name: Asda Petrol Location: North Road, Boldon Colliery, NE35 9AR Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	531	-	434526 561598
64	**Contemporary Trade Directory Entries** Name: Johnsons Cleaners Within Asda Location: Asda Stores Ltd, North Road, Boldon Colliery, NE35 9AR Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	531	-	434526 561598
64	**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	A17SE (NW)	551	-	434489 561598
64	**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	A17SE (NW)	552	-	434489 561598
65	**Contemporary Trade Directory Entries** Name: Arc Clean Car Centre Location: Asda Filling Station North Road, Boldon Colliery, Tyne And Wear, NE35 9AR Classification: Car Washing & Polishing Equipment & Supplies **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SW (NW)	534	-	434623 561664
66	**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	A12NE (W)	606	-	434237 561352
67	**Contemporary Trade Directory Entries** Name: Ex Pest Location: 7, Ruskin Drive, Boldon Colliery, Tyne and Wear, NE35 9DU Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	640	-	435234 561754
67	**Contemporary Trade Directory Entries** Name: Ex-Pest Location: 7, Ruskin Drive, Boldon Colliery, Tyne and Wear, NE35 9DU Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	640	-	435234 561754
68	**Contemporary Trade Directory Entries** Name: A-Line Location: A-Line House Unit 14, Witney Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PE Classification: Cleaning Services - Commercial **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	640	-	434179 561267

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	**Contemporary Trade Directory Entries** Name: Maquet Uk Ltd Location: 14-15, Burford Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PZ Classification: Medical Equipment Maintenance & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	640	-	434179 561267
68	**Contemporary Trade Directory Entries** Name: C P Engineering Ltd Location: Unit 15, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	665	-	434152 561261
68	**Contemporary Trade Directory Entries** Name: F M Coatings Ltd Location: Unit 15, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Coating Specialists **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	665	-	434152 561261
69	**Contemporary Trade Directory Entries** Name: Tyne & Wear Domestic Appliances Location: Downhill Farm, Downhill Lane, West Boldon, East Boldon, Tyne and Wear, NE36 0AX Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SW (S)	648	-	434768 560447
70	**Contemporary Trade Directory Entries** Name: Johnson Electric International (Uk) Ltd Location: Unit 5, Woodstock Way, Boldon Business Park, Boldon Colliery, NE35 9PF Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	671	-	434137 561144
70	**Contemporary Trade Directory Entries** Name: Johnson Electric Location: Unit 5, Woodstock Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PF Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	684	-	434124 561142
71	**Contemporary Trade Directory Entries** Name: Northumbria Optical Coatings 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	A12NW (W)	678	-	434158 561343
71	**Contemporary Trade Directory Entries** Name: M B Air Systems Ltd Location: Unit 8, Burford Way, Boldon Business Park, Boldon Colliery, NE35 9PZ Classification: Air Compressors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	712	-	434121 561335
71	**Contemporary Trade Directory Entries** Name: M B Air Systems Ltd Location: Unit 8, Burford Way, Boldon Business Park, Boldon Colliery, NE35 9PZ Classification: Air Compressors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	712	-	434120 561334
71	**Contemporary Trade Directory Entries** Name: M & S Automotive Coating Location: Unit 8, Burford Way, Boldon Business Park, Boldon Colliery, NE35 9PZ Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	712	-	434121 561335
71	**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	A12NW (W)	712	-	434120 561334

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	**Contemporary Trade Directory Entries** Name: Daktron Electronics Ltd Location: 3, Claremount Court, West Boldon, East Boldon, Tyne and Wear, NE36 0NF Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	734	-	435674 561053
72	**Contemporary Trade Directory Entries** Name: C W Industries Location: 3, Claremount Court, West Boldon, East Boldon, Tyne and Wear, NE36 0NF Classification: Electronic Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	734	-	435674 561053
73	**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	A17SE (NW)	749	-	434261 561660
74	**Contemporary Trade Directory Entries** Name: Mill Car Clinic Location: Unit 5-5a, 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	A12NW (W)	771	-	434065 561352
75	**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: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	785	-	434080 561444
75	**Contemporary Trade Directory Entries** Name: Finning Uk Ltd Location: Unit 3, Brooklands Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9LZ Classification: Plant & Machinery Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	818	-	434041 561433
75	**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	A12NW (W)	818	-	434041 561433
75	**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: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	818	-	434041 561433
76	**Contemporary Trade Directory Entries** Name: M & S Prestige Location: North rd, Boldon Colliery, Tyne And Wear, NE35 9AF Classification: Car Body Repairs **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	788	-	434486 561879
76	**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	A17NE (NW)	821	-	434498 561924
77	**Contemporary Trade Directory Entries** Name: Invitech Ltd Location: 20 Witney Way,Boldon Business Park, Boldon Colliery, Tyne & Wear, NE35 9PE Classification: Chemical Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	796	-	434012 561173

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	**Contemporary Trade Directory Entries** Name: Titan Location: 19 Witney Way, Boldon Business Pk, Boldon Colliery, Tyne and Wear, NE35 9PE Classification: Fishing & Angling Equipment - Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	797	-	434012 561190
78	**Contemporary Trade Directory Entries** Name: Fm Cosmetics Location: 6, Stewart Drive, West Boldon, East Boldon, Tyne and Wear, NE36 0HD Classification: Perfume Suppliers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	820	-	435706 561447
79	**Contemporary Trade Directory Entries** Name: H L A Services Location: 1 Boldon Court, Burford Way, Boldon Colliery, NE35 9PY Classification: Air Conditioning & Refrigeration Contractors **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	829	-	433983 561236
79	**Contemporary Trade Directory Entries** Name: Kvasir Group Location: Unit 16, Witney Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PE Classification: Ship Builders, Repairs & Fittings **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	832	-	433978 561205
79	**Contemporary Trade Directory Entries** Name: Coolrite Refrigeration Ltd 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	A12NW (W)	835	-	433977 561234
79	**Contemporary Trade Directory Entries** Name: Netgenium Systems Location: Unit 15,Witney Way, Boldon Business Pk, Boldon Colliery, Tyne and Wear, NE35 9PE Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	845	-	433964 561201
79	**Contemporary Trade Directory Entries** Name: Ctech North East Location: 8 Boldon Court, Burford Way, Boldon Colliery, NE35 9PY Classification: Commercial Cleaning Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	855	-	433962 561273
80	**Contemporary Trade Directory Entries** Name: Altomed Location: Unit 2, Witney Way, Boldon Business Park, BOLDON COLLIERY, Tyne and Wear, NE35 9PE Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	831	-	433977 561132
81	**Contemporary Trade Directory Entries** Name: T F Shipping Ltd Location: The Quadrus Centre, Woodstock Way, Boldon Business Park, Boldon Colliery, Tyne and Wear, NE35 9PF Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	832	-	433980 561068
81	**Contemporary Trade Directory Entries** Name: A1 Refrigeration Installations Location: The Quadrus Centre, Woodstock Way, Boldon Business Park, Boldon Colliery, NE35 9PF Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	837	-	433976 561061
82	**Contemporary Trade Directory Entries** Name: Safeclean Location: 38, Dunelm Drive, West Boldon, East Boldon, Tyne and Wear, NE36 0HJ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	842	-	435688 561537

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	**Contemporary Trade Directory Entries** Name: Aquarius Doors Location: 68, Leander Drive, Boldon Colliery, Tyne and Wear, NE35 9LS Classification: Door Manufacturers - Industrial **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	869	-	434176 561745
84	**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	A17NE (NW)	902	-	434301 561895
85	**Contemporary Trade Directory Entries** Name: A1 Engineering Solutions Ltd Location: 3 Boldon Court, Burford Way, Boldon Colliery, NE35 9PY Classification: Refrigerators & Freezers - Servicing & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	910	-	433903 561250
85	**Contemporary Trade Directory Entries** Name: Advanced Workshops Ltd Location: 5, Boldon Court, Burford Way, BOLDON COLLIERY, Tyne and Wear, NE35 9PY Classification: Garage Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NW (W)	914	-	433901 561263
86	**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	A18NW (N)	963	-	434566 562111
86	**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	A18NW (N)	976	-	434584 562132
86	**Contemporary Trade Directory Entries** Name: Ultimate Moto Location: 20a, Bensham Street, Boldon Colliery, NE35 9LN Classification: Car Dealers - Used **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18NW (N)	977	-	434582 562132
86	**Contemporary Trade Directory Entries** Name: L G M O T Location: Unit 18 Bensham Street, Boldon Colliery, Tyne And Wear, NE35 9LN Classification: Mot Testing Centres **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	997	-	434548 562141
87	**Contemporary Trade Directory Entries** Name: Sapphire Engineering N E Ltd Location: Unit 3, Bensham Street, BOLDON COLLIERY, Tyne and Wear, NE35 9LN Classification: Engineering Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A17NE (N)	974	-	434516 562103
88	**Fuel Station Entries** Name: Bank Top Garage (Springfield) Location: Addison Road, West Boldon, East BOLDON, Tyne & Wear, NE36 0RA Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	211	-	435129 561035
89	**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	A12NE (NW)	518	-	434383 561444

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	**Points of Interest - Commercial Services** Name: Asda Boldon Automat Location: North, Road, Boldon Colliery, NE35 9AR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	503	7	434379 561411
90	**Points of Interest - Commercial Services** Name: Car Wash Location: North Road, Boldon Colliery, Tyne & Wear, NE35 9AR Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NE (NW)	518	7	434383 561444
91	**Points of Interest - Commercial Services** Name: Ex-pest Location: 7 Ruskin Drive, Boldon Colliery, NE35 9DU Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A19SW (NE)	640	7	435234 561754
92	**Points of Interest - Commercial Services** Name: S M Coatings Ltd Location: Unit 15, Brooklands Way, Boldon Business Park, Boldon Colliery, NE35 9LZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	665	7	434152 561261
93	**Points of Interest - Commercial Services** Name: Mill Car Clinic Location: Unit 5 Brooklands Way, Boldon Business Park, Boldon Colliery, NE35 9LZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	771	7	434065 561352
93	**Points of Interest - Commercial Services** Name: Mill Car Clinic Location: Unit 5, Brooklands Way, Boldon Business Park, Boldon Colliery, NE35 9LZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	771	7	434064 561352
94	**Points of Interest - Commercial Services** Name: Lyndon Systems Ltd Location: 55 Lyndon Grove, East Boldon, NE36 0NR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14NE (E)	802	7	435744 561216
95	**Points of Interest - Commercial Services** Name: Analytix Ltd Location: 9 Boldon Court, Burford Way, Boldon Colliery, NE35 9PY Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (W)	817	7	433996 561244
95	**Points of Interest - Commercial Services** Name: Pritchard-gordon Tankers Ltd Location: Unit 15, Witney Way, Boldon Business Park, Boldon Colliery, NE35 9PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12NW (W)	844	7	433965 561197
96	**Points of Interest - Commercial Services** Name: Steve Watson Coachworks Ltd Location: North Road, Boldon Colliery, NE35 9AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	821	7	434498 561924
96	**Points of Interest - Commercial Services** Name: M & S Prestige Location: North Road, Boldon Colliery, NE35 9AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	821	7	434497 561923
96	**Points of Interest - Commercial Services** Name: IMO - arc Clean Car Centres Location: North Road, Boldon Colliery, NE35 9AF Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A17NE (NW)	848	7	434474 561941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	**Points of Interest - Commercial Services** Name: Barkers Motor Cycles Location: North Road, Boldon Colliery, NE35 9AF Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17NE (NW)	857	7	434490 561960
97	**Points of Interest - Commercial Services** Name: T F Shipping Ltd Location: The Quadrus Centre, Woodstock Way, Boldon Business Park, Boldon Colliery, NE35 9PF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	832	7	433980 561067
98	**Points of Interest - Commercial Services** Name: Altomed Location: Unit 2, Witney Way, Boldon Business Park, Boldon Colliery, NE35 9PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	832	7	433976 561131
98	**Points of Interest - Commercial Services** Name: Thompson Freight Services Location: Unit 7, Witney Way, Boldon Business Park, Boldon Colliery, NE35 9PE Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A12SW (W)	914	7	433894 561116
99	**Points of Interest - Commercial Services** Name: V Sport Location: 18 Bensham Street, Boldon Colliery, NE35 9LN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	976	7	434584 562132
99	**Points of Interest - Commercial Services** Name: V Sport Location: 18 Bensham Street, Boldon Colliery, NE35 9LN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	976	7	434584 562132
100	**Points of Interest - Education and Health** Name: Altomed Location: Unit 2, Witney Way, Boldon Business Park, Boldon Colliery, NE35 9PE Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	831	7	433977 561132
101	**Points of Interest - Manufacturing and Production** Name: P J Tate Location: Newcastle Road, West Boldon, East Boldon, NE36 0BJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13SW (SW)	224	7	434697 560930
102	**Points of Interest - Manufacturing and Production** Name: D Colley Location: Newcastle Road, West Boldon, East Boldon, NE36 0BQ Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A12SE (SW)	427	7	434461 560900
102	**Points of Interest - Manufacturing and Production** Name: D Colley Location: Mount Pleasant Farm, Newcastle Road, West Boldon, East Boldon, NE36 0BQ Category: Farming Class Code: Arable Farming Positional Accuracy: Positioned to address or location	A12SE (SW)	427	7	434460 560900
103	**Points of Interest - Manufacturing and Production** Name: Boldon Business Park Location: NE35 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	725	7	434130 561406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**Points of Interest - Manufacturing and Production** Name: Quarry (Disused) Location: NE36 Category: Extractive Industries Class Code: Unspecified Quarries Or Mines Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	734	7	434830 560356
105	**Points of Interest - Manufacturing and Production** Name: The Quadrus Centre Location: The Quadrus Centre, Woodstock Way, Boldon Business Park, Boldon Colliery, NE35 9PF Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A12SW (W)	832	7	433980 561067
105	**Points of Interest - Manufacturing and Production** Name: The Quadrus Centre Location: The Quadrus Centre, Woodstock Way, Boldon Business Park, Boldon Colliery, NE35 9PF Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to address or location	A12SW (W)	832	7	433980 561068
106	**Points of Interest - Manufacturing and Production** Name: Downhill Quarry (Limestone and Sand) Location: NE36 Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	941	7	434877 560148
107	**Points of Interest - Public Infrastructure** Name: Boldon Waste Removals Location: 198 Arnold Street, Boldon Colliery, NE35 9AZ Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A13NW (N)	299	7	434782 561482
108	**Points of Interest - Public Infrastructure** Name: Cemetery Location: NE36 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	489	7	435375 560907
108	**Points of Interest - Public Infrastructure** Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	495	7	435383 560908
108	**Points of Interest - Public Infrastructure** Name: Mortuary Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	512	7	435429 560971
109	**Points of Interest - Public Infrastructure** Name: Asda Petrol Location: North, Road, Boldon Colliery, NE35 9AR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	515	7	434386 561444
109	**Points of Interest - Public Infrastructure** Name: Asda Boldon Automat Location: North Road, Boldon Colliery, NE35 9AR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12NE (NW)	518	7	434383 561444
110	**Points of Interest - Public Infrastructure** Name: Boldon Location: North Road, Boldon Colliery, NE35 9AR Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A17SE (NW)	619	7	434480 561673

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
111	**Points of Interest - Public Infrastructure** Name: Boldon Police Station Location: Police Station, North Road, Boldon Colliery, NE35 9AF Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A17NE (NW)	746	7	434497 561835
112	**Points of Interest - Public Infrastructure** Name: Slag Heap Location: NE35 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	949	7	435021 562149
113	**Points of Interest - Public Infrastructure** Name: Slag Heap Location: NE35 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A23SW (N)	961	7	434840 562167
114	**Points of Interest - Recreational and Environmental** Name: Playground Location: North Road, NE35 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	168	7	434815 561353
114	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (N)	169	7	434815 561354
115	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	341	7	435259 561007
115	**Points of Interest - Recreational and Environmental** Name: Playground Location: NE36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	341	7	435259 561006
115	**Points of Interest - Recreational and Environmental** Name: Playground Location: Dipe Lane, NE36 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	348	7	435259 560988
116	**Points of Interest - Recreational and Environmental** Name: Playground Location: Henley Way, NE35 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SE (NW)	698	7	434426 561732
116	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	699	7	434424 561733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	**Areas of Adopted Green Belt** Authority: South Tyneside Metropolitan Borough Council, Planning Department Plan Name: Core Strategy **Status: Adopted** Plan Date: 30th June 2007	A13SW (S)	156	5	434810 560940

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
South Tyneside Metropolitan Borough Council - Neighbourhood Services	December 2014	Annual Rolling Update
Gateshead Metropolitan Borough Council - Environmental Health Department	July 2013	Annual Rolling Update
North Tyneside Metropolitan Borough Council - Environmental Health Department	March 2015	Annual Rolling Update
Sunderland City Metropolitan Borough Council - Environmental Health Department	March 2015	Annually
Discharge Consents		
Environment Agency - North East Region	January 2017	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	January 2017	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	May 2016	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
Sunderland City Metropolitan Borough Council - Environmental Health Department	May 2016	Annual Rolling Update
Gateshead Metropolitan Borough Council - Environmental Health Department	October 2014	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
Sunderland City Metropolitan Borough Council - Environmental Health Department	May 2016	Annual Rolling Update
Gateshead Metropolitan Borough Council - Environmental Health Department	October 2014	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
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	January 2017	Quarterly
Environment Agency - North East Region - Northumbria Area	January 2017	Quarterly
Water Abstractions		
Environment Agency - North East Region	October 2016	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	January 2017	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable

Data Currency

Agency & Hydrological	Version	Update Cycle
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	February 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2017	Quarterly
Flood Defences Environment Agency - Head Office	February 2017	Quarterly
Detailed River Network Lines Environment Agency - Head Office	September 2014	Annually
Detailed River Network Offline Drainage Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	January 2017	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	August 2016	Quarterly
Environment Agency - North East Region - Northumbria Area	August 2016	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - North East Area	October 2016	Quarterly
Environment Agency - North East Region - Northumbria Area	October 2016	Quarterly
Local Authority Landfill Coverage		
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		
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
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	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	July 2016	Bi-Annually
Explosive Sites		
Health and Safety Executive	September 2016	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Gateshead Metropolitan Borough Council - Development Control	February 2016	Annual Rolling Update
North Tyneside Metropolitan Borough Council - Development Function	February 2016	Annual Rolling Update
South Tyneside Metropolitan Borough Council - Planning Department	February 2016	Annual Rolling Update
Sunderland City Metropolitan Borough Council - Planning	February 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Gateshead Metropolitan Borough Council - Development Control	February 2016	Annual Rolling Update
North Tyneside Metropolitan Borough Council - Development Function	February 2016	Annual Rolling Update
South Tyneside Metropolitan Borough Council - Planning Department	February 2016	Annual Rolling Update
Sunderland City Metropolitan Borough Council - Planning	February 2016	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	October 2016	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	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	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	January 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	February 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2016	Quarterly
Points of Interest - Education and Health PointX	December 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2016	Quarterly
Points of Interest - Public Infrastructure PointX	December 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2016	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	August 2016	Bi-Annually
Areas of Adopted Green Belt		
Gateshead Metropolitan Borough Council - Development Control	February 2017	As notified
North Tyneside Metropolitan Borough Council	February 2017	As notified
South Tyneside Metropolitan Borough Council - Planning Department	February 2017	As notified
Sunderland City Metropolitan Borough Council - Planning	February 2017	As notified
Areas of Unadopted Green Belt		
Gateshead Metropolitan Borough Council - Development Control	February 2017	As notified
North Tyneside Metropolitan Borough Council	February 2017	As notified
South Tyneside Metropolitan Borough Council - Planning Department	February 2017	As notified
Sunderland City Metropolitan Borough Council - Planning	February 2017	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2017	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	January 2017	Bi-Annually
Marine Nature Reserves		
Natural England	January 2017	Bi-Annually
National Nature Reserves		
Natural England	January 2017	Bi-Annually
National Parks		
Natural England	February 2017	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2016	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	Annually
Ramsar Sites		
Natural England	January 2017	Bi-Annually
Sites of Special Scientific Interest		
Natural England	January 2017	Bi-Annually
Special Areas of Conservation		
Natural England	January 2017	Bi-Annually
Special Protection Areas		
Natural England	January 2017	Bi-Annually
World Heritage Sites		
English Heritage - National Monument Record Centre	September 2015	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	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
2	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
3	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	**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
5	**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
6	**The Coal Authority - Property Searches** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk
7	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	**Sunderland City Metropolitan Borough Council - Planning** PO Box 107, Civic Centre, Sunderland, Tyne & Wear, SR2 7DN	Telephone: 0191 553 1000 Fax: 0191 553 1099 Website: www.sunderland.gov.uk
9	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
10	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**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 / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

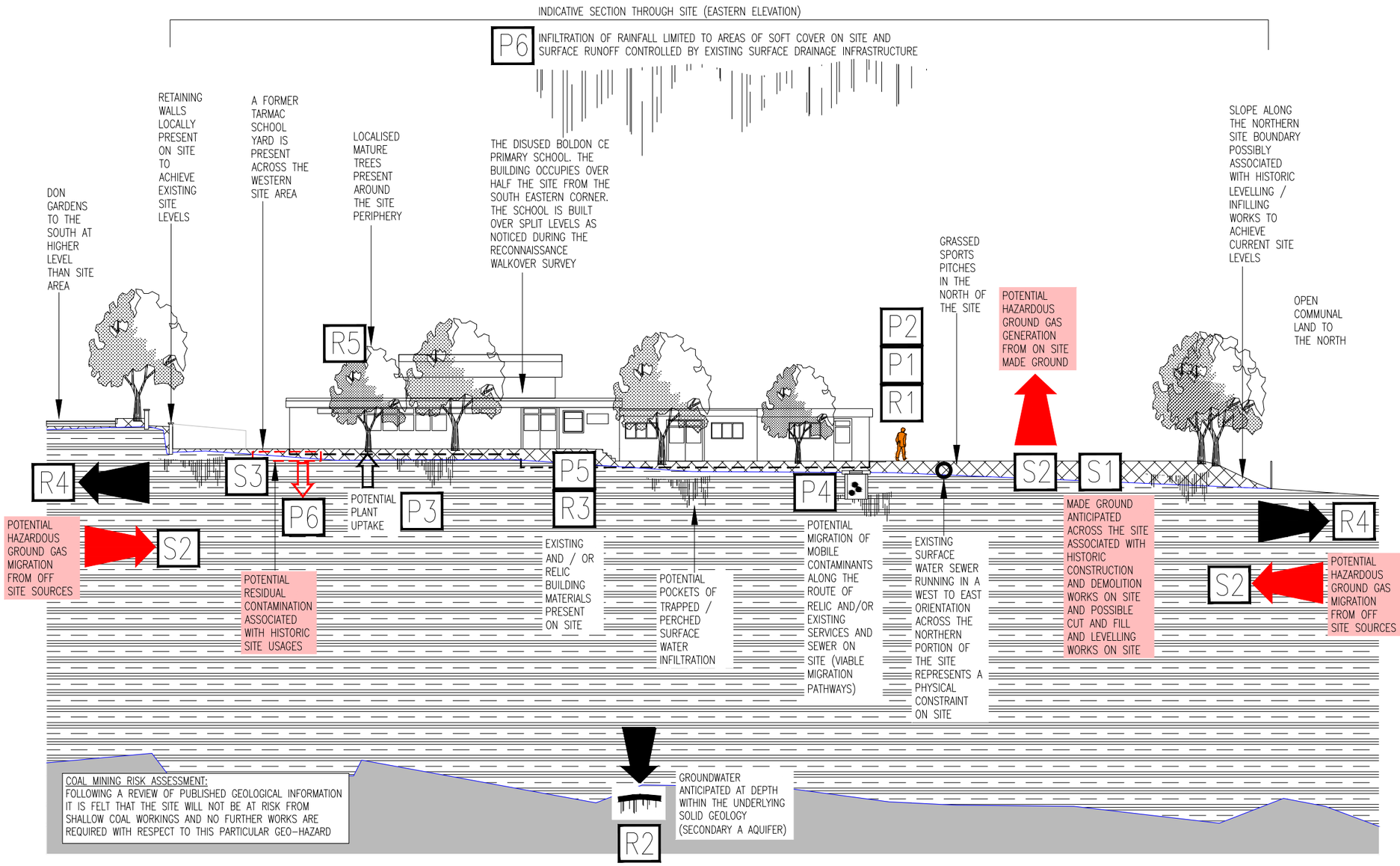
APPENDIX IV

Conceptual Site Model

CRITICAL POLLUTANT LINKAGES

SOURCE		PATHWAY		RECEPTOR	
S	1. MADE GROUND ASSOCIATED WITH THE CONSTRUCTION AND DEMOLITION OF BUILDINGS PRESENT WITHIN THE SITE BOUNDARY 2. POSSIBLE GROUND GASES FROM ONSITE AND OFFSITE SOURCES. 3. CONTAMINANTS FROM THE PREVIOUS SITE USES INCLUDING AN ABATTOIR	P	1. INGESTION AND DERMAL CONTACT 2. INHALATION OF INDOOR / OUTDOOR AIR 3. PLANT UPTAKE AND ATTACHED SOIL 4. MIGRATION THROUGH EXISTING SERVICES 5. DIRECT CONTACT WITH BUILDING MATERIALS 6. SURFACE RUN OFF AND LEACHATE MIGRATION	R	1. HUMAN HEALTH (END USERS AND CONSTRUCTION WORKFORCE) 2. GROUNDWATER WITHIN THE SECONDARY AQUIFER A WITHIN THE SOLID GEOLOGICAL DEPOSITS 3. BUILDING MATERIALS* 4. ADJACENT SITES 5. FLORA AND FAUNA*

INDICATIVE SECTION THROUGH SITE (EASTERN ELEVATION)



STRATA DETAILS

MADE GROUND:
ACCORDING TO PUBLISHED BGS MAPS THE SITE IS NOT RECORDED TO BE UNDERLAIN BY A SIGNIFICANT THICKNESS OF MADE GROUND DEPOSITS.

WHEN CONSIDERING THE HISTORICAL RE-DEVELOPMENT, IT IS FELT THAT MADE GROUND DEPOSITS OF <1M IN THICKNESS MAY BE PRESENT ACROSS THE SITE, ASSOCIATED WITH THE CONSTRUCTION AND DEMOLITON OF BUILDINGS FOR THE ABATTOIR, HARDSTANDING FOR CAR PARKING, AND THE CONSTRUCTION OF THE FORMER BOLDON CE PRIMARY SCHOOL. ANY MADE GROUND DEPOSITS PRESENT BELOW THE SITE ARE LIKELY TO COMPRISE OF NATURAL DEPOSITS WITH ANTHROPOGENIC DEBRIS I.E. BRICK, CONCRETE, ASH, ETC

DRIFT DEPOSITS:
BASED ON MAPS PRODUCED BY THE BGS, THE SITE IS RECORDED TO BE UNDERLAIN BY THE PELAW CLAY MEMBER, WHICH COMPRISES OF REDDISH BROWN TO DARK BROWN SILTY CLAY

SOLID GEOLOGY:
THE SOLID GEOLOGY UNDERLYING THE SITE IS SHOWN TO COMPRISE OF THE UPPER COAL MEASURES (UCM), WHICH COMPRISE DEPOSITS OF INTERBEDDED GREY MUDSTONE, SILTSTONE AND PALE GREY SANDSTONE WITH COAL SEAMS PRESENT. THE UCM WERE DEPOSITED DURING THE CARBONIFEROUS PERIOD

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

The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing.
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rev.	date	amendments	drawn	chckd

Client: **GUS ROBINSON DEVELOPMENTS LTD**

Project Title:
Former West Boldon Primary School
North Road, West Boldon
Tyne & Wear, WE36 0QE

Drawing Title:
Conceptual Site Model

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	13.04.17	P.D	M.H

Job Ref:	Drg no:	Rev:
17-179	–	–