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## **PHASE 1: DESK TOP STUDY AND COAL MINING ASSESSMENT** **REPORT**

**LAND NORTH OF HOLME HOUSE RESIDENTIAL HOME**  
**OXFORD ROAD**  
**GOMERSAL**  
**CLECKHEATON**  
**WEST YORKSHIRE**

**Project No: 17-174**

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Date: 15<sup>th</sup> August 2017

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The information and/or advice contained in this Phase 1: Desk Top Study & 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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## 1.0 Introduction

August 2017

Arc Environmental Limited has been instructed by Heritage Planning Design on behalf of Mr Robert Martin, to undertake a Phase 1: Desk Top Study and Coal Mining Assessment Report for a proposed residential development located to north of Holme House Residential Home, Oxford Road, Gomersal, in West Yorkshire. It is proposed to develop the site with 26 no. residential properties with private gardens and car parking.

The primary objectives of this report are to assess the geological and potential ground 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 / Reconnaissance Survey:-

**Table 2.1**

<b>Site Name &amp; Address:</b>	Land North of Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, West Yorkshire, BD19 4LA.
<b>National Grid Reference:</b>	420420, 427100 (representative for the central part of the site).
<b>Description of Location:</b>	The site is located adjacent to Oxford Road, on the northern outskirts of Gomersal, in West Yorkshire.
<b>Site Boundaries:</b>	N & W = Agricultural land, E = Oxford Road (A651) with residential properties beyond, S = Access road and Holme House Residential Home.
<b>Site Shape &amp; Development Details:</b>	The site is rectangular in shape, occupying an area of c.0.97 hectares (Ha). It is proposed to develop the site with 26 no. residential properties with private gardens, access roads, and areas of car parking.
<b>General Topography (AOD):</b>	From the topographical survey plan supplied, site levels fall from west to east, from 149.46m to 140.37m AOD.
<b>Site Surfacing:</b>	The site surfacing comprises mainly of grass with a track running along the southern boundary leading to the northwestern corner of the site. There is an area of hard standing (i.e. brick, stone and concrete rubble) on the northwestern corner of the site associated with a horse stable, storage containers/lorry trailers and farm machinery. There is also a surface watercourse running west to east, from the northwestern corner of the site towards the eastern portion of the site, with standing water being evident at the time of the site reconnaissance.
<b>Above Ground Structures:</b>	There are storage containers/lorry trailers and horse stables on the northwestern corner of the site.
<b>Sub-surface Structures &amp; Services:</b>	The surface watercourse is suspected to be culverted below the far eastern portion of the site, and anecdotal evidence suggests that a land drain from the adjacent residential care home crosses the site and discharges in the existing surface watercourse. A pond was historically recorded on the northwestern corner of the site, however this area is now occupied by an area of hardstanding for use as horse stable and lorry trailer storage. Statutory service/utility plans have been provided by the design team, and these do not indicate the presence of any known recorded services running/passing below the site, copies are included in Appendix V.
<b>Other:</b>	The site has a number of spoil heaps of unknown origin and various age, comprising sandstone rubble and possible asphalt road planings, soil, horse manure, and timber logs located on the southeast and eastern portions of the site. It is understood from the current site owner that most of these stockpiles will be removed prior to development of the site. There is a circular fenced off area in the middle of the site comprising asphalt planings, associated with a holding pen for animals. The presence of Himalayan Balsam has been noted along the route of the surface watercourse and on the southeastern portion the site, and further details can be found in Section 3.6.

## **3.0 Environmental Setting**

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

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

- Sheet 235, Gomersal and Cleckheaton, Yorkshire (West Riding), 1:10,560 scale, Solid & Drift Edition
- BGS Geological Sheet 77, Huddersfield, 1:50,000 scale, Solid & Drift Edition.
- Explanation of Sheet 77, The Geology of the County around Huddersfield and Halifax, Memoirs of the Geological Survey England & Wales, 1930
- Historical BGS Boreholes - ref: SE22NW 137, 607 & 608 (located within a similar geological setting)

#### **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 lack of any significant historical development recorded across the majority of the site, generally no significant made ground is anticipated. However, some localised made ground is anticipated (c.<1m) in the northwestern corner of the site, associated with existing hardstanding and the use of this area as horse stables and storage of lorry trailers and farm machinery, as well as locally disturbed natural deposits associated with the existing track (evidence of brick and sandstone rubble, etc.). Historically, a pond was recorded on the northwestern corner of the site, however this area is now occupied by the existing horse stable and lorry trailer storage. In addition, the surface watercourse below the far eastern portion of the site is suspected to be culverted, and therefore some further localised areas of made ground should be expected, up to c.1m may be locally present, likely to comprise of natural deposits with anthropogenic debris i.e. brick, concrete, ash, etc.

On the southeastern portion of the site there are a number of stockpiles, comprising of soil, horse manure, sandstone rubble and asphalt road planings, and timber log storage. It is understood from the current site owner that most of these stockpiles will be removed prior to development of the site.

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

Based on maps produced by the BGS, the site is shown to lie within an area where natural drift deposits are thin or absent, i.e. an area of solid outcrop, where the solid geology is at or close to the surface. However, the presence of residual soils (typically clay) which occur as a result of the direct weathering of the underlying natural bedrock are likely to be present.

Historical BGS borehole record sheets, located within a similar geological setting, recorded initially soft to firm becoming stiff brown and grey silty clay, with siltstone and mudstone lithorelics noted towards the base of the clay deposits, to depths of between c.2.43m up to c.6.20m bgl.

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

The solid geology underlying the site is shown to comprise that of the Lower Coal Measures (LCM), deposited during the Period of Earth's history known as the Carboniferous, comprising alternating bands of sandstone, siltstone, mudstone and coal. The western portion of the site is recorded to be initially underlain by a named sandstone rock unit known as the Lepton Edge Rock, and the eastern portion of the site is recorded to be initially underlain by mudstone.

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

The geological maps published by the BGS record the site as being underlain by productive coal bearing stratum of the LCM, and according to the Coal Authority (CA) Interactive Map, the site lies within a 'Coal Mining Reporting Area'.

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

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

The interactive map records only the eastern portion of the site to lie within a 'Development High Risk Area', associated with an inferred sub-cropping coal seam to the east of the site. Whilst the eastern portion of the site is not shown to be underlain by past shallow coal mine workings, it is recorded to lie within an area of probable shallow coal mine workings. The remainder of the site is shown to lie within a low risk area, and outwith any past or probable shallow coal mine workings.

A CON29M Non-Residential Mining Report (ref. 51001513010002) was procured from the Coal Authority (CA) to further assess the risks posed to the site with respect to possible instability issues arising in the future as a direct result of past shallow coal mining activities, a copy of which can be found in Appendix II. The report concludes that the site is in an area that could be affected by underground mining in 2 no. seams of coal at 80m to 140m depth, which was last worked in 1964. However, any movement in the ground due to coal mining activity should have stopped. The CA believe that there is coal at or close to the surface, which may have been worked in the past.

The CA have indicated that there are reserves of coal in the local area which could be worked at some time in the future. The CA is not aware of any evidence of damage to the site arising due to geological faults or other lines of weakness affected by coal mining, and they have not received a damage notice or claim from subsidence within c.50m of the site. In addition, the CA indicates that the property has not been subject to remedial works, and there are no recorded mine gas emissions requiring action.

Based on BGS maps, the shallowest recorded seam below the site is shown to be the Middleton Little coal seam, which is recorded to subcrop c.300m to the west and east of the site, dipping below the site. The geological memoirs for Huddersfield & Halifax, note that the Middleton Little seam in the west part of its northern outcrop is of no value, and at Gomersal ridge it is recorded to be c.0.20m thick with dirt streaks in the lower part, which indicates the coal was not of good quality or economically viable to extract. This would appear to corroborate with the numerous old mine shafts located in the surrounding area, including Gomersal Main Pit which lies immediately east of the site on the other side of Oxford Road, which does not record the Middleton Little within the strata encountered.

The Middleton Little seam is underlain in turn by the Middleton Bed, which locally appears to be present at a depth of c.36.58m bgl (Gomersal Pit), and within the geological memoirs this has been recorded up to a maximum thickness of c.1.36m. When considering the maximum thickness and recorded depth of the Middleton Bed, this is not considered to represent a risk to the site or proposed development.

Locally, in Gomersal, the bed separation between the Middleton Bed and the Middleton Little is c.20m, and therefore the Middleton Little would be anticipated at a depth of c.<20m bgl, however a historical BGS borehole (ref: SE22NW137) located c.140m north of the site, recorded siltstone to a depth of c.22.86m with no coal encountered during this boring. When considering the anticipated thickness and depth of the Middleton Little, it can be seen that the risk of potential unrecorded shallow mining activities affecting this site within the Middleton Little is likely to be low, however for completeness it would be prudent to carry out intrusive investigation works using rotary drilling techniques in order to confirm the depths & thickness of the Middleton Little, and to verify the conclusions of this coal mining risk assessment.

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

The aquifer designations for the various deposits present below this site have been based on records produced by EA, and Aquifer Designation Maps & Groundwater Vulnerability Maps are contained within the Envirocheck Report, copies of which can be seen attached in Appendix III.

### 3.0 Environmental Setting (Cont'd)

#### 3.3 Site Hydrogeology (Cont'd):-

Table 3.1

<b>STRATA</b>	<b>Aquifer / Soil Leachability EA Classification</b>	<b>Comments</b>
<b>Made Ground:</b>	Soils of a High Leaching Potential (U & H3).	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.  Coarse texture 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.
<b>Drift Geology:</b> Limited drift deposits/ Residual Soils	No aquifer designated.	Based on the anticipated ground conditions, the site is anticipated to be underlain by limited clay deposits/residual soils, and therefore these deposits are likely to exhibit variable permeability characteristics.
<b>Solid Geology:</b> Lower Coal Measures	Secondary A Aquifer	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.
<b>GROUNDWATER</b>		
<b>Source Protection Zones (SPZ):</b>	None recorded within c.250m.	~
<b>Licensed Groundwater Abstractions:</b>	None recorded within c.250m.	
<b>Groundwater Depths:</b>	~	A shallow continuous groundwater surface (water table) is not anticipated to be present below this site. However, deep groundwater is anticipated at depth below site within the underlying Secondary A Aquifer.

#### 3.4 Site Hydrology:-

Table 3.2

<b>SURFACE WATER FEATURE</b>	<b>Location</b>	<b>Comments</b>
<b>GQA Classified River:</b>	None recorded within c.250m.	~
<b>Unclassified Watercourse(s), Canals &amp; Ponds:</b>	One recorded within c.250m.	A surface watercourse flows west to east across the site, and standing water was evident. It is suspected that the surface watercourse is culverted below the far eastern portion of the site, and in addition anecdotal evidence suggests that a land drain from the adjacent residential care home crosses the site and discharges in the existing surface watercourse.  A pond was historically recorded on the northwestern corner of the site, however this area is now occupied by an area of hardstanding for use as a horse stable and lorry trailer storage.
<b>Flooding from Rivers or Sea:</b>	On-site.	The site is shown to fall out with the designated Flood Risk Zones II & III (i.e. Zone I) and therefore this site is unlikely to be at significant risk from future flooding.  The LA and EA may hold additional information relating to this site with respect to periodic flooding, standing water or poor drainage problems.

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

#### **3.4 Site Hydrology (Cont'd):-**

**Table 3.2 (Cont'd)**

<b><u>SURFACE WATER FEATURE</u></b>	<b><u>Location</u></b>	<b><u>Comments</u></b>
<b>Flooding (Surface Water):</b>	On-site.	The majority of the site is shown to lie outwith areas at risk of flooding from 30, 100 & 1000 year return events. A small area of localised flooding (low & medium) is noted on the existing access road from Oxford Road, adjacent to the southeastern corner of the site. During the site walkover, generally no areas of standing surface water were noted.
<b>Groundwater Flooding at Surface (BGS):</b>	On-site.	The majority of the site is located within an area where there is limited potential for groundwater flooding to occur, although the far eastern portion of the site is shown to lie within an area where the potential for groundwater flooding of property situated below ground level to occur.
<b><u>RAINFALL</u></b>	<b><u>Measurements (mm)</u></b>	<b><u>Comments</u></b>
<b>Annual</b>	1028.4	Based on station average measurements from Birchencliffe, during 1981 to 2010.
<b>Precipitation, January</b>	63.7	
<b>Precipitation, July</b>	114.0	

#### **3.5 Radon Assessment:-**

The site lies in a lower probability radon area, where less than 1% of homes are above the action level, in accordance with data held by the BGS, and their assessment suggests that no radon protection measures are necessary in the construction of new dwellings or extensions. This corresponds with the BRE Digest, BR211 (2015) Radon: Guidance on protective measures for new buildings, where the site is situated within a clear grid square (1km), confirming that no radon protective measures are required for new structures.

#### **3.6 Site Ecology:-**

From the site walkover survey completed, the site appears to be affected by the presence of Himalayan Balsam, a non-native invasive weed species. This weed species is listed on Schedule 9 of the Wildlife and Countryside Act 1981. In accordance with Environment Agency guidance, as well as Section 33 & 34 of the Environmental Protection Act (1990) and Section 14 of the Wildlife & Countryside Act (1981), it is considered an offence to permit an invasive species to grow or potentially migrate off-site, and therefore it is recommended that the area is surveyed in detail as part of a proposed remediation management plan for the effective treatment and eradication of the Himalayan Balsam. As part of any future remediation works required for this site, verification of the treatment and eradication of the Himalayan Balsam would need to be completed. There was no obvious evidence of further non-native invasive weed species (i.e. Japanese Knotweed, etc.).

The site is recorded within an area of Adopted Green Belt, designated under the Kirklees Unitary Development Plan in March 1999.

A Nitrate Vulnerable Zone is recorded c.54m southwest of the site. These are areas of land that drain into nitrate polluted waters, or water which could become polluted by nitrates. This is noted as surface water from Spen Beck (source) to River Calder. This is not considered to be of significant concern when considering the proposed development.

There are no other sensitive land uses recorded on site or within 250m of the site.

### 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**

<u>Element</u>	<u>Location</u>	<u>Estimated Soil Concentrations (mg/kg)</u>
<b>Arsenic</b>	On site	<35 – 45
<b>Cadmium</b>	On site	<1.8
<b>Chromium (total)</b>	On site	90 – 120
<b>Lead</b>	On site	100-200
<b>Nickel</b>	On site	15 – 30

### 4.0 Industrial Setting

#### 4.1 Site History:-

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

**Table 4.1**

<u>Date</u>	<u>Site</u>	<u>Adjacent Areas</u>
c.1854 – c.1894	The site is undeveloped, likely to be agricultural land. A field boundary which is known to represent the present day surface watercourse crosses the site in an easterly direction. A track is noted adjacent to the southern boundary.	The surrounding area is generally agricultural land. A road bounds the western boundary of the site. <b>Gomersal Main Colliery</b> is recorded c.20m east. Residential buildings are recorded to the south. <b>Clough Mill (Wool)</b> and <b>reservoirs</b> is recorded c.50m to the northeast.
c.1894 – c.1932	The site generally remains unchanged.	Residential property to the south is recorded as Springfield House. Road on eastern boundary is now recorded as Oxford Road. <b>Gomersal Main Colliery</b> recorded as disused, and an <b>Old Shaft</b> is noted. By c.1922 <b>Birkenshaw Colliery</b> is recorded c.320m northeast of the site.
c.1932 – c.1948	By c.1938 the surface watercourse has been truncated to the far eastern side of the site, suggesting this has been partially <b>culverted</b> . The field boundaries on western portion of the site has been sub-divided by c.1938.	<b>Ventnor Engineering Works</b> are recorded c.250m to the southeast of the site.
c.1948 – c.1970	A <b>pond</b> is recorded in the far northwestern corner of the site, however the separate field boundaries are no longer recorded.	Springfield House recorded as Holme house. <b>Reservoirs</b> associated <b>Clough Mill</b> are now recorded as <b>ponds</b> . By c.1967 the <b>ponds</b> are no longer recorded, assumed <b>infilled</b> , and <b>Clough Mill</b> is now recorded as a factory. Beyond the former <b>Clough Mill</b> , <b>slag heaps</b> are recorded. By c.1967 <b>Poultry Houses</b> are recorded c.30m to the west of the site.
c.1970 – c.1995	The site generally remains unchanged, albeit the eastern end of the surface watercourse is recorded as a sink.	A large cutting feature is recorded c.110m north of the site associated with the construction of the M62. <b>Birkenshaw Colliery</b> is no longer recorded. By c.1986 residential properties have been constructed c.20m to the east.
c.1995 – c.2017	The <b>pond</b> is no longer recorded on site. The northwestern portion of the site is occupied by horse stables, storage containers/lorry trailers and <b>farm machinery</b> . Several <b>stockpiles</b> are present on the southeastern portion of the site.	The surrounding area generally remains unchanged.

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



## 4.0 Industrial Setting (Cont'd)

### 4.2 Landfill & Waste:-

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

- There are no active BGS Recorded Landfill Sites, Historical or Registered Landfill Sites or Local Authority Landfill Sites recorded within c.250m of the site.
- There are no Licensed Waste Management Facilities, Registered Waste Transfer, Registered Waste Treatment or Disposal sites recorded within 250m of the site.
- Local Mineral Extraction (Gomersal Main Pit) is recorded close to the site, and made ground up to c.4.20m has been recorded comprising clay with brick, coal and ash.
- Potential Infilled Land (Non-Water – Pit, Quarry etc.) is recorded c.40m east, c.213m north and c.237m northeast of the site.
- Potential Infilled land (Water – Pond, river, marsh etc.) is recorded c.98m northeast, c.118m northeast and c.193m to the south east of the site.
- The unknown origin of the stockpiles on the southeastern portion of the site may contain contamination. However, it is understood from the current site owner that most of these stockpiles will be removed from site prior to development.
- Potential partial culverting of surface watercourse below the eastern portion of the site.
- Some localised made ground is anticipated (c.<1m) in the northwestern corner of the site, associated with existing hardstanding and the use of this area as horse stables and storage of lorry trailers and farm machinery, as well as locally disturbed natural deposits associated with the existing track (evidence of brick and sandstone rubble, etc.). Historically, a pond was recorded on the northwestern corner of the site, however this area is now occupied by the existing horse stable and lorry trailer storage.

Following a review of OS historical plans, etc., there are some potential sources of ground gas production / migration recorded on and within a plausible migration distance to this site, albeit very low risk, and therefore 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**

<b>TYPE</b>	<b>Location</b>	<b>Comments</b>
<b>Pollution Prevention and Controls</b>	None recorded within c.250m.	~
<b>Registered Radioactive Substances</b>	None recorded within c.250m.	~
<b>Prosecutions Relating to Authorised Processes</b>	None recorded within c.250m.	~
<b>Enforcement and Prohibition Notices</b>	None recorded within c.250m.	~
<b>Planning Hazardous Substances Consents / Enforcements</b>	None recorded within c.250m.	~
<b>COMAH/NIHHS Sites</b>	None recorded within c.250m.	~
<b>Contemporary Trade Entries</b>	One recorded c.88m NE.	The entry is now inactive, however this previously related to textile manufacturing.
<b>Fuel Station Entries</b>	None recorded within c.250m.	~

## 4.0 Industrial Setting (Cont'd)

### 4.4 Pollution Incidents and Discharge Consents:-

Table 4.3

<u>TYPE</u>	<u>Location</u>	<u>Comments</u>
Discharge Consents	1 recorded within c.250m.	The operator is Yorkshire Water Services and the discharge relates to Sewage Discharge from Storm Overflow, c.65m southeast from site.
Water Industry Act Referrals	None recorded within c.250m.	~
Prosecutions Relating to Controlled Waters	None recorded within c.250m.	~
Pollution Incidents to Controlled Waters	None recorded within c.250m.	~
Substantiated Pollution Incident Register	None recorded within c.250m.	~

## 5.0 Conceptual Site Model (CSM)

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

Table 5.1

<u>Sources (S)</u>		<u>Pathways (P)</u>		<u>Receptors (R)</u>	
S1	Localised made ground (where present) associated with the existing horse stables, etc., and partial culverting of surface watercourse	P1	Ingestion & Dermal Contact	R1	Human health – Future end users
		P2	Inhalation of indoor / outdoor air	R2	On-site surface watercourse
S2	Stockpiles	P3	Plant Uptake and attached soil	R3	Deep groundwater – <b>considered at low risk</b>
S3	Generation of hazardous ground gases (made ground – on & off-site sources) and mine gases from possible shallow coal workings	P4	Migration through existing services	R4	Adjacent sites
		P5	Direct contact with building materials	R5*	Building materials & protection of water pipes
		P6	Surface runoff & Infiltration	R6*	Flora and fauna

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

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

### 5.1 Geotechnical Considerations:-

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

- Assessment of possible shallow coal below the site that may have been worked in the past.
- Actual thickness, origin, variability and condition of made ground (where present) below the site area.

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

### **5.1 Geotechnical Considerations (Cont'd):-**

- Geotechnical parameters of any superficial deposits (if present) and anticipated shallow solid geological deposits below proposed development area.
- Control of surface drainage – when considering the anticipated ground conditions, it is felt that the use of traditional soakaways are unlikely to be suitable on this site.
- The possible presence of active/current services below the site area.
- Stability of excavations where significant thickness of made ground and/or geotechnically “poor” drift deposits exist below the site.
- For deeper excavations, such as utilities runs etc., the provision of rock breaking plant and equipment may be required, if competent rock is encountered.

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 **MODERATE** geotechnical risk setting.

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

The historical Ordnance Survey maps, Landmark Envirocheck Report and other environmental information has revealed that historically the site has remained undeveloped from as early as c.1854 up until present day, and the site should be considered as ‘greenfield’. However, some localised made ground is anticipated on the northwestern corner of the site, associated with existing hardstanding and the use of this area as horse stables and storage of lorry trailers and farm machinery, as well as locally disturbed natural deposits associated with the existing track (evidence of brick and sandstone rubble, etc.). Historically, a pond was also recorded on the northwestern corner of the site, however this area is now occupied by the existing horse stable and lorry trailer storage. In addition, the surface watercourse below the far eastern portion of the site is suspected to be culverted.

On the southeastern portion of the site there are a number of stockpiles, comprising of soil, horse manure, sandstone rubble and asphalt road planings, and timber log storage. It is understood from the current site owner that most of these stockpiles will be removed prior to development of the site.

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

- Localised made ground associated with the historical development, demolition of the site and importation of fill materials.
- Stockpiles – suitability for re-use and/or determination for off-site disposal – although likely to be low risk as the current land owner is intending to remove these prior to the development commencing.
- Generation of hazardous ground gases from on-site sources – considered very low risk.

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.).

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

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

#### Soils – Human Health:

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 selected samples of soil from this site for a range of contaminants, as listed below;

Generic contamination, typically comprising; *Arsenic, Cadmium, Chromium (III & VI), Copper, Lead, Mercury, Nickel, Selenium, Zinc, Cyanide, 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.

When considering the recent activity on this site, presence of demolition type rubble, sandstone, etc., and the localised made ground anticipated on the northwestern portion of the site, these types of materials can typically contain undetected asbestos fibres /asbestos containing materials, and therefore asbestos screening should be undertaken.

In addition, it may be prudent to carry out some ground contamination screening on samples of the natural soil in order to verify the lack of significant contamination and potential risks posed towards Human Health (future end users), as well as to assess these materials for re-use.

Consideration may need to be given to the protection of service pipes for the proposed development from any made ground deposits present, and therefore a supplementary suite of contamination testing may be required in order to meet the requirements of the local utilities service provider for their 'pipe selection risk assessment' (PSRA), once the location and depth of future services have been determined.

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:

There is felt to be an overall low risk of significant ground contamination on this site, when considering the limited site history and lack of significant contaminative site uses. As such the presence of widespread contaminated groundwater or leachable contamination is felt to be limited.

The following factors have also been taken into consideration when assessing the risks posed towards Controlled Waters;

- Whilst some groundwater may be encountered within the drift deposits, a continuous groundwater surface is anticipated at depth within the solid geology below the site, which has been classified as a Secondary A Aquifer.
- The site does not lie within a Source Protection Zone (SPZ).
- There are no water courses within c.250m of the site.

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

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

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

Depending on the results of any soil contamination screening, leachate / groundwater screening may be required on selected, if necessary, to determine the risk to Controlled Waters. Similarly, this work should be incorporated within the design of any intrusive ground investigation works which ideally should take place prior to commencing with any development works.

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

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

**Human Health:-** When considering the proposed development, it can be seen that this site should be considered as 'greenfield', due to the lack of significant historical or contaminative site uses. However, due to localised sources of potential made ground (i.e. northwestern portion of the site, partial culverting of the surface watercourse, stockpiles) it will be necessary to carry out some ground contamination screening on samples of made ground (where present) and the natural soil in order to verify the potential risks posed towards Human Health (future end users), and to assess these materials for re-use.

**Hazardous Ground Gases:-** Following an assessment of the potential hazardous ground gas generation sources, it is felt that the site is not at risk from significant on-site or off-site sources. However, the potential for mine gases from potential subjacent coal workings has been noted, although the overall risk posed to the proposed development is considered very low risk. The proposed development will be considered as high sensitivity in accordance with CIRIA C665, and at this stage the risk of hazardous ground gas generation is being considered as a very low risk. As such, ground gas monitoring standpipes should be installed on site and monitored frequently for the presence of hazardous ground gases (Methane, Carbon Dioxide, etc.) in accordance with CIRIA C665.

**Controlled Waters:-** Following an assessment of the hydrological and hydrogeological conditions, it is considered that groundwater beneath the site is at low risk from any potential on site sources of ground contamination.

## **6.0 Recommendations**

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

- A series of rotary boreholes to be drilled to confirm the conclusions of the coal mining risk assessment, associated with potential shallow coal workings in the Middleton Little coal seam. Prior to commencing with these investigation works a Coal Authority license will be required to allow permission to enter or disturbed the Coal Authority interests, and this can take up to c.4 weeks to obtain.
- A series of mechanically excavated trial pits and windowless sampling boreholes, including insitu geotechnical testing (SPT's, shear strength testing, etc.) and sampling to help aid with future foundation design and to collect samples for subsequent laboratory testing.

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## **6.0 Recommendations (Cont'd)**

- 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 and groundwater regime below the site.
- Laboratory geotechnical testing (i.e. liquid and plastic limit testing, pH & soluble sulphate testing, etc.).
- Contamination screening on selected samples recovered from the investigation positions for typical contaminants as detailed in Section 5.2. Samples of soil collected will be forwarded to UKAS and MCERTS accredited laboratory to undertake the recommended testing.
- Site supervision and production of a factual and interpretive Phase 2: Ground Investigation Report, including a Level 1 Ground Contamination Risk Assessment for Human Health.

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**

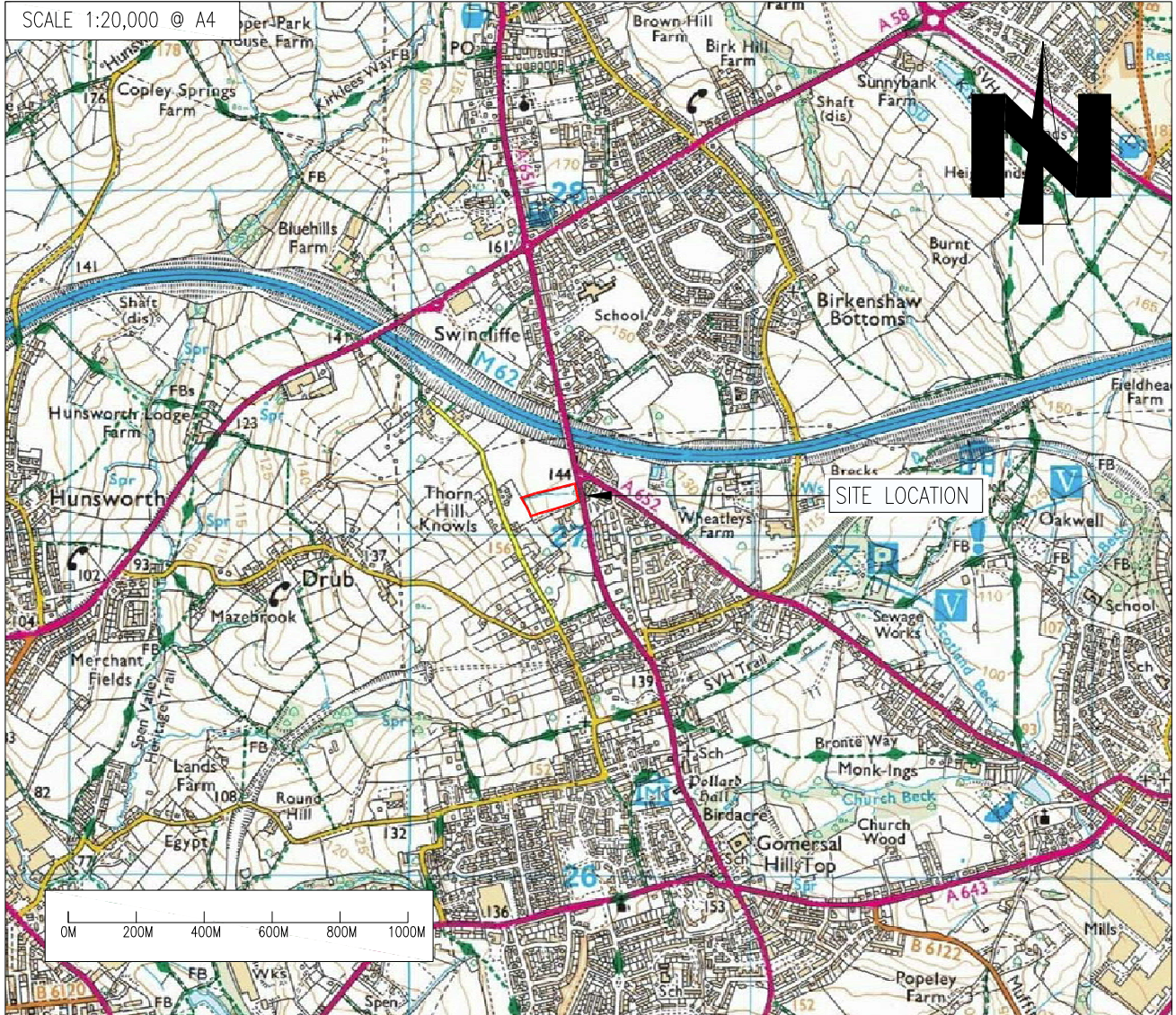
## GENERAL REFERENCES

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- BS 5930: 2015: Code of Practice for Ground Investigations. British Standards Institution
- BS10175:2011 + A1:2013: Investigation of potentially contaminated sites – Code of practice
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- BS EN 1997-2: 2007: Eurocode 7 - Geotechnical design. Part 2: Ground investigation and testing British Standards Institution
- Guidance on Investigation and Assessment for Contaminated Sites (CIRIA SP:103)
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- CIRIA Report C733 'Asbestos in Soil and Made Ground: a guide to understanding and managing risks'.
- Methane and Associated Hazards to Construction - CIRIA Reports 149,150,151 & 152
- Assessing Risks Posed by Hazardous Ground Gases to Buildings, CIRIA C665, 2007
- BS8485: 2015: Code of practice for the design of protective measures for methane and carbon dioxide ground gases for new buildings
- BS8576: 2013: Guidance on investigation from ground gas – Permanent gases and Volatile Organic Compounds (VOC's)
- CIRIA Report C624 'Development and flood risk – guidance for the construction industry'
- National Planning Policy Framework (March 2012) supplemented with Planning Policy Statement 25 (PPS25)

# **APPENDIX I**

**Location Plan  
Aerial Photograph  
Existing & Proposed Site Layout Plans, and  
Site Walkover Record Sheets**





Client:  
**MR ROBERT MARTIN**

Project Title:  
Land North of Holme House  
Residential Home, Oxford Road  
Cleckheaton, West Yorks., BD19 4LA

Drawing Title:  
Location Plan

rev.	date	amendments	drawn	chckd

Job Reference:  
17-174

Drawing Number:  
-

Revision:  
-

Drawn by:  
P.D

Date:  
27.07.17

Scale at A4:  
As Shown

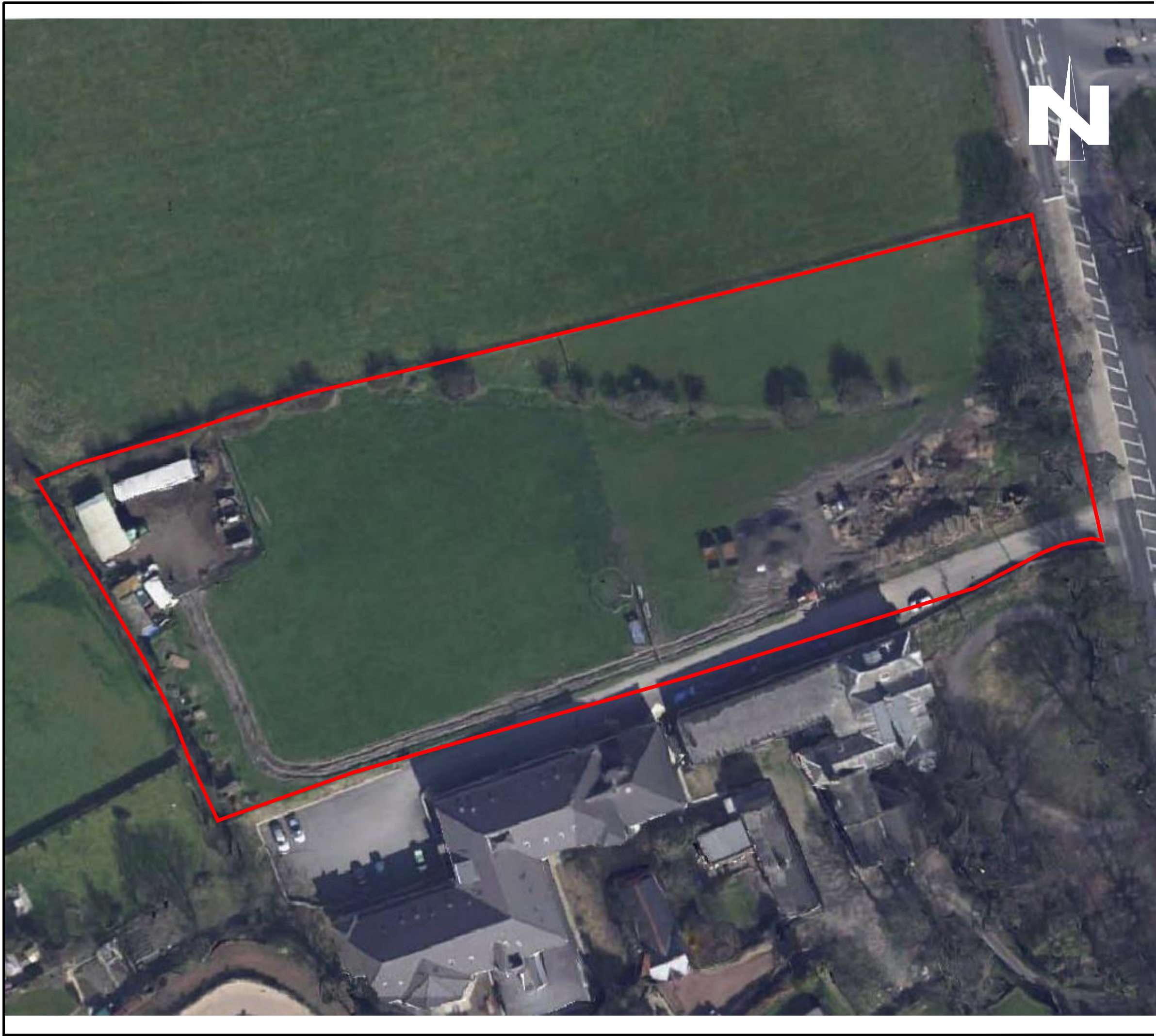
Checked by:  
I.H

Approved by:  
I.H

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LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

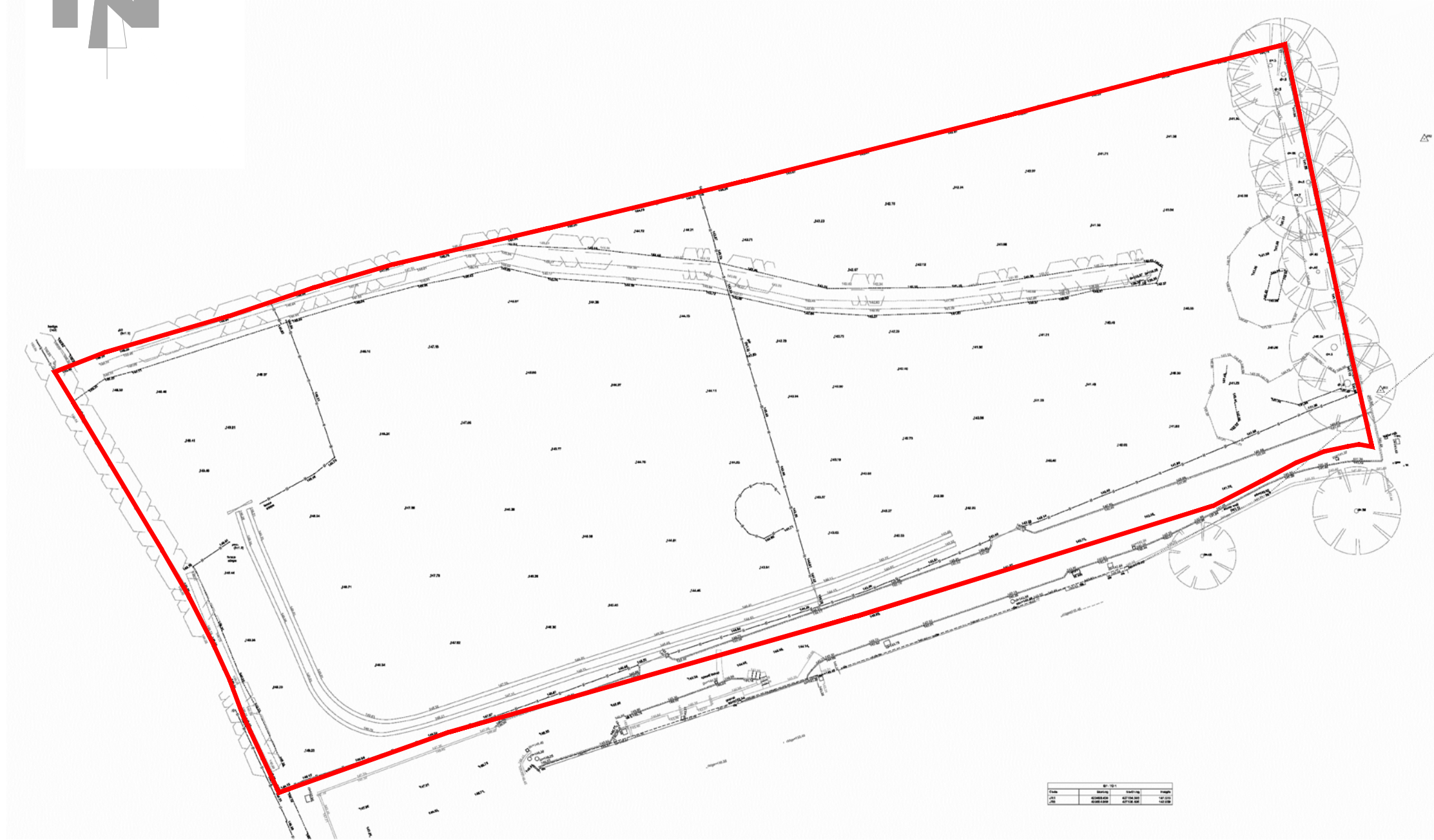
Client:  
**MR ROBERT MARTIN**

Project Title:  
 Land North of Holme House Residential Home  
 Oxford Road, Gomersal, Cleckheaton  
 West Yorkshire, BD19 4LA

Drawing Title:  
 Aerial Photograph


Scale at A3: NTS @ A3	Date: 27.07.17	Drawn by: P.D	Approved by: I.H
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Job Ref: 17-174	Drng no: -	Rev: -
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LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

Client:  
**MR ROBERT MARTIN**

Project Title:  
Land North of Holme House Residential Home  
Oxford Road, Gomersal, Cleckheaton  
West Yorkshire, BD19 4LA

Drawing Title:  
Existing Site Layout Plan

Scale at A3: NTS @ A3	Date: 27.07.17	Drawn by: P.D	Approved by: I.H
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Job Ref: 17-174	Drg no: -	Rev: -
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Accommodation  
 4no. 2 Bed Houses at 80 sq.m  
 10no. 3 Bed Houses at 91 sq.m  
 10no. 3 Bed Houses at 96 sq.m  
 2no. 4 Bed Houses at 103 sq.m  
 26no. Total

Note:  
 This sketch viability layout is subject to confirmation of site boundaries, easements, restrictive covenants etc; consultation with Local Authority, Public Utilities etc.

PREFERRED LAYOUT  
 OPTION TO BE CONFIRMED



Accommodation  
 8no. 2 Bed Houses

Note:  
 This sketch viability layout is subject to confirmation of site boundaries,



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LEGEND	
	APPROXIMATE SITE BOUNDARY

rev.	date	amendments	drawn	chkd

Client:  
**MR ROBERT MARTIN**

Project Title:  
 Land North of Holme House Residential Home  
 Oxford Road, Gomersal, Cleckheaton  
 West Yorkshire, BD19 4LA

Drawing Title:  
 Proposed Development Layout Plan

Scale at A3: NTS @ A3	Date: 27.07.17	Drawn by: P.D	Approved by: I.H
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Job Ref: 17-174	Drg no: -	Rev: -
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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



PLATE 28



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**SITE INFORMATION:**

- THE SITE WAS PREVIOUSLY FARMLAND. THE MOST RECENT USE OF THE SITE INCLUDES STORAGE OF FARM EQUIPMENT AND CONTAINERS TOGETHER WITH SPOIL HEAPS OF DIFFERENT TYPES OF MATERIAL
- THE SITE IS LOCATED ADJACENT TO OXFORD ROAD IN CLECKHEATON, WEST YORKSHIRE. N = FARMLAND, E = THE A651 WITH RESIDENTIAL PROPERTIES BEYOND, S = ACCESS ROAD AND HOLME HOUSE RESIDENTIAL HOME & W = FARMLAND, WITH ROAD BEYOND
- THE SITE IS IRREGULAR IN SHAPE, OCCUPYING AN AREA OF C.0.97 HECTARES (HA)
- PROPOSALS INVOLVE THE CONSTRUCTION NO.26 RESIDENTIAL PROPERTIES WITH ACCESS ROAD, INCLUDING AREAS OF CAR PARKING AND PRIVATE GARDENS
- THERE IS A SIGNIFICANT WEST TO EAST FALL IN TOPOGRAPHY ACROSS THE SITE. THE TOPOGRAPHICAL SURVEY SHOW THE LAND FALLS ON AN ELEVATION OF C.149.465M AOD DOWN TO C.140.37M AOD
- THE SITE SURFACING COMPRISES AREAS OF MAINLY GRASSLAND WITH A STONE/MUD TRACK RUNNING ALONG THE SOUTHERN BOUNDARY. THERE IS AN AREA IS OF MIXED HARD STANDING (I.E. BRICKS, STONE AND CONCRETE) IN THE EASTERN SECTION OF THE SITE ASSOCIATED WITH STORAGE SHEDS, CONTAINERS AND FARM MACHINERY
- THERE IS ALSO A DEPRESSION RUNNING WEST TO EAST CUTTING ACROSS THE SITE, WITH AN OPEN DITCH WATERCOURSE, STANDING WATER BEING EVIDENT AT THE TIME OF THE SITE RECONNAISSANCE
- THERE ARE STORAGE SHEDS AND CONTAINERS ON THE FAR EASTERN SECTION OF THE SITE. NO SUB-SURFACE STRUCTURES ARE EVIDENT ON SITE. HOWEVER, UTILITY PLANS HAVE BEEN OBTAINED FOR THIS SITE AND ARE INCLUDED IN APPENDIX V
- THE SITE HAS A NUMBER OF SPOIL HEAPS OF UNKNOWN ORIGIN AND VARIOUS AGE, (DEMOLITION RUBBLE, PLASTERBOARD, POSSIBLE ROAD PLAININGS) AND A TIMBER LOG STORAGE AREA TO THE SOUTH EAST OF THE SITE
- THERE IS A CIRCULAR FENCED OFF AREA IN THE MIDDLE OF THE SITE CONSISTING OF COMPACT STONE, ASSOCIATED WITH A HOLDING PEN FOR ANIMALS
- POSSIBLE SURFACE CONTAMINATION (I.E., OIL/ DIESEL) FROM THE FARM MACHINERY ON SITE
- A SMALL AREA OF HIMALAYAN BALSAM HAS BEEN NOTED ON THE CENTRAL PORTION OF THE SITE.

rev.	date	amendments	drawn	chckd
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Client:  
**MR ROBERT MARTIN**

Project Title:  
 Land North of Holme House Residential Home  
 Oxford Road, Gomersal, Cleckheaton  
 West Yorkshire, BD19 4LA

Drawing Title:  
 Site Photographic Record Sheet

Scale at A3: NTS @ A3	Date: 27.07.17	Drawn by: P.D	Approved by: I.H
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Job Ref: 17-174	Drg no: -	Rev: -
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# **APPENDIX II**

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



The Coal  
Authority

Resolving the **impacts** of mining

# CON29M Non-Residential Mining Report

LAND NORTH OF HOLME HOUSE  
RESIDENTIAL HOME  
OXFORD ROAD  
GOMERSAL  
CLECKHEATON  
WEST YORKSHIRE

Date of enquiry: 03 July 2017  
Date enquiry received: 03 July 2017  
Issue date: 03 July 2017

Our reference: 51001513010002  
Your reference: 130729316\_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

LAND NORTH OF HOLME HOUSE RESIDENTIAL HOME, OXFORD ROAD, GOMERSAL, CLECKHEATON, WEST YORKSHIRE


## How to contact us


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+44 (0)1623 637 000 (International)

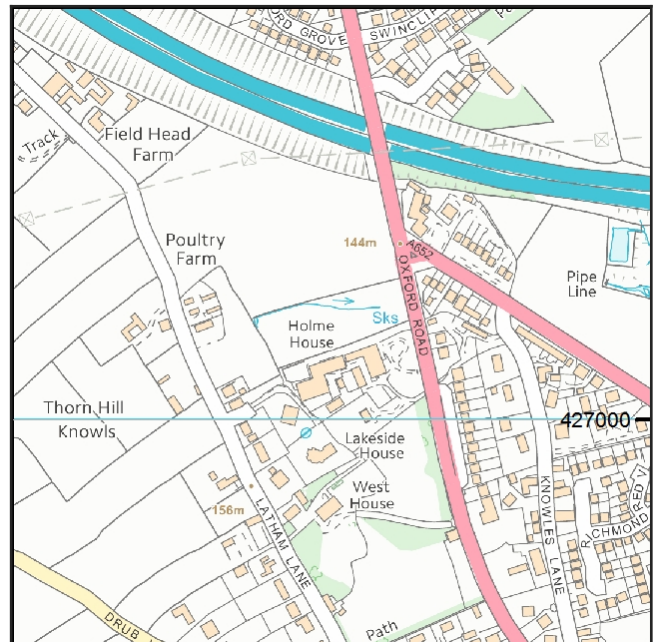
200 Lichfield Lane  
Mansfield  
Nottinghamshire  
NG18 4RG

[www.groundstability.com](http://www.groundstability.com)

 /company/the-coal-authority

 /thecoalauthority

 /coalauthority



Approximate position of property



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# 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	Yes
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	Yes
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 80m to 140m depth, and last worked in 1964.

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

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past. The potential presence of coal workings at or close to the surface should be considered prior to any site works or future development activity. Your attention is drawn to the Comments on the Coal Authority information section of the report.

## 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.

There may however be mine entries/additional mine entries in the local area which the Coal Authority has no knowledge of.

## **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 in an area where notices to withdraw support were given in 1951, 1954.

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.

# Comments on the Coal Authority information

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In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

## 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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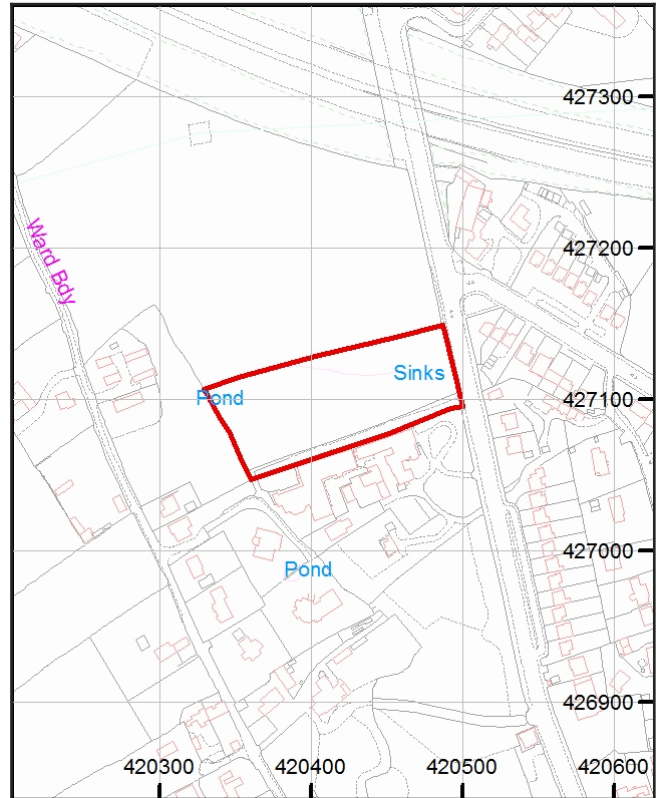
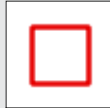
## Alternative formats

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

# Enquiry boundary

## Key

Approximate position of enquiry boundary shown




## How to contact us

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# Norwest Holst Soil Engineering Ltd.

Borehole No

1

Contract No. F9112  
 Location Oxford Road, Gomersal  
 Client D. De Courcy  
 Method of Boring Cable Percussion  
 Diameter of Borehole 150mm

## BOREHOLE LOG

SE 22 NW

Sheet 1 of 1  
 Chainage 2055 2708  
 Ground Level m.A.O.D.  
 Date 10/4/91

607

Description of Strata	Legend	Depth Below G.L.(m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D.%	Daily Progress
TOPSOIL		0.25					
MADE GROUND: Light grey ash		0.45			0.50-0.95	"10"	
MADE GROUND: Grey and grey brown silty CLAY with some medium to coarse gravel sized coal fragments and occasional brick fragments.					1.50-1.95	"6"	
					2.50-2.95	"8"	
					3.50-3.95	"9"	
Stiff yellow mottled grey silty CLAY		4.20			4.35-4.80 (55)		
Very stiff brown grey silty CLAY		4.80			5.00-5.45 (1'30)		
		5.45			5.55-6.00	"14"	
Firm to stiff brown mottled grey silty CLAY with a little fine to coarse gravel sized mudstone lithorelicts.		6.20			6.60-7.05	"45"	
Grey brown highly weathered silty MUDSTONE, very weak.					7.70-7.75	61% for 150mm	
...7.75m becoming weak to moderately weak.		7.75					
Borehole complete at 7.75m depth							

Type of Sample	
Is S.P.T.	Undisturbed
Ic C.P.T.	Vane
O Jar	Water
● Bulk	Piezometer

Remarks (Observations of Ground Water etc.) ( ) U100 blows  
 \* Seating blows only

Groundwater: Not encountered during drilling

Chiselling - 7.75m No progress - 1/2 hr (Hard Strata)

Water levels are subject to seasonal or tidal variations and should not be taken as constant



# Norwest Holst Soil Engineering Ltd.

Borehole No.

2

Contract No. F9112  
 Location Oxford Road, Gomersal  
 Client D. De Courcy  
 Method of Boring Cable Percussion  
 Diameter of Borehole 150mm

## BOREHOLE LOG

SE 22 NW

Sheet 1<sup>i</sup> of 1<sup>i</sup>  
 Chainage 2056 2706  
 Ground Level m.A.O.D.  
 Date 9/4/91


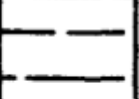
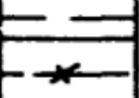
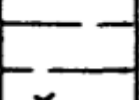
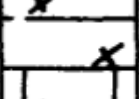
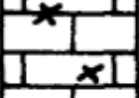
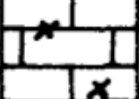



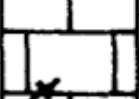
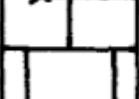
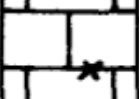
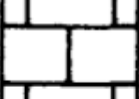
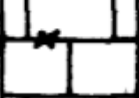

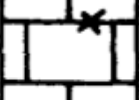
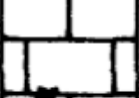
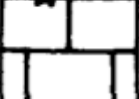
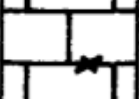
608

Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/R.Q.D.%	Daily Progress
TOPSOIL		0.25					
MADE GRAVEL: Grey and grey brown silty clay with some medium to coarse gravel sized coal fragments and occasional brick fragments.		1.45			0.45-0.90 c	"48"	
MADE GROUND: Very loose light grey ash.		2.60			1.45-1.90 c	"2"	
Soft to firm brown grey silty CLAY.		4.15			2.40-2.85 c	"6"	
Stiff yellow mottled grey silty CLAY		4.20			2.85-3.15 (50)		
Very stiff brown grey silty CLAY		4.65			3.70-4.15 (22)		
Firm to stiff brown mottled grey silty CLAY with a little fine to coarse gravel sized mudstone lithorelicts.		5.30			4.20-4.65 (78)		
Grey brown highly weathered silty MUDSTONE, very weak.		8.10			4.75-5.20 (78)		
...8.10m becoming weak to moderately weak.					5.30-5.70 (100)		
Borehole complete at 8.10m depth					6.00-6.30	"63" for 150mm	
					7.00-7.30	"66" for 150mm	
					7.80-8.10	"67" for 150mm	

Type of Sample	Symbol	Description
Is	■	S.P.T. Undisturbed
Ic	X	C.P.T. Vane
0	△	Jar Water
●	■	Bulk Piezometer

Remarks (Observations of Ground Water etc.) ( ) U100 blows  
 Groundwater: Borehole damp below 4.65m  
 Chiselling: 8.10m No progress 1/2 hr (Hard Strata)  
 Water levels are subject to seasonal or tidal variations and should not be taken as constant

Works: *West Riding C.C. M 62 Contract G*, Borehole no. *G.53*  
 Contractor: *Wm. Coulson Ltd.* Sheet no. *1 of 2*  
 Site: *Oxford Rd. Bridge (A.651)* Chainage *94603*  
 Cut/ (ft) *Motorway in 35'-0" cut* Offset from C/L (ft.) *107 South*  
 Type of boring *Shell and Auger to 10'-0"* B.H. Level (O.D.) *481.25*  
*Rotary to 75'-0"* Date(s) of boring *19-1-67 (S&A)*  
 Lining Tubes *not used* *25 to 28-11-66 (Rotary)*

Samples & Core Recovery. Change of Strata						
No.	Depth	Type or %	Key	Depth	Level	Description of Strata
	1'-6"			1'-6"	479.75	TOPSOIL.
	3'-0"	(45) J				Stiff grey and brown CLAY.
	4'-0"			4'-0"	477.25	
	5'-0"	B J				Firm to stiff grey silty CLAY with pieces of grey very weathered SILTSTONE.
	8'-0"			8'-0"	473.25	
	9'-6"	(98)				Grey to dark grey SILTSTONE with thin carbonaceous bands.
5-50	10'-0"	SW.58		10'-0"	471.25	
						Dark grey SILTSTONE, brown stained, fragmentary.
				12'-0"	469.25	
		100%				
						Grey SILTSTONE with occasional thin sandy bands and some plant remains, fractured and sometimes fragmentary, brown stained at top.
	20'-0"					
		100%				
						
	30'-0"					
		100%				
						
						
	40'-0"					
						Borehole Continued.
Remarks (Observations on ground water, etc)						
Water first encountered at 22'-0"						

Works: *West Riding C.C. M62 Contract G* Borehole no. *6.53*  
 Contractor: *Wm. Coulson Ltd.* Sheet no. *2 of 2*  
 Site: *Oxford Rd. Bridge (A651)* Chainage *948.03*  
 Cut/ (ft) *Motorway in 35'-0" cut* Offset from C/L (ft.) *107 South*  
 Type of boring *Shell and Auger 19.28'-3"* B.H. Level (O.D.) *481.25*  
*Rotary 75'-0"* Date(s) of boring *19-1-67 (S&A)*  
 Lining Tubes *not used* *25 to 28-11-66 (Rotary)*

Samples & Core Recovery. Change of Strata

No.	Depth	Type or %	Key	Depth	Level	Description of Strata
			x			
			x			
		100%	x x			
	49'-0"		x			
		100%	x			
	56'-0"		x			
		100%	x			
	61'-0"		x			
		100%	x			
	69'-0"		x			
		100%	x			
	75'-0"		x	75'-0	406.25	
						<b>Borehole Completed.</b>

Remarks (Observations on ground water, etc)

British Geological Survey

# **APPENDIX III**

## **Landmark Envirocheck Report**

# Historical Mapping Legends

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

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

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

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

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

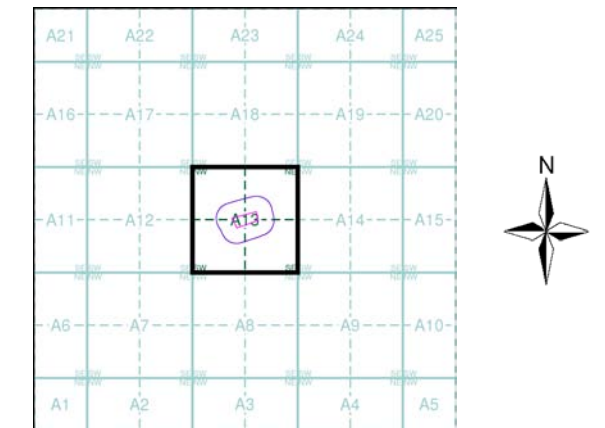
**Cliff**   **Slopes**   **Top**  
**Rock**   **Rock (scattered)**  
**Boulders**   **Boulders (scattered)**  
**Positioned Boulder**   **Scree**  
**Non-Coniferous Tree (surveyed)**   **Coniferous Tree (surveyed)**  
**Non-Coniferous Trees (not surveyed)**   **Coniferous Trees (not surveyed)**  
**Orchard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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:2,500	1893 - 1894	2
Yorkshire	1:2,500	1907 - 1908	3
Yorkshire	1:2,500	1922	4
Yorkshire	1:2,500	1938	5
Ordnance Survey Plan	1:1,250	1956	6
Ordnance Survey Plan	1:2,500	1957	7
Ordnance Survey Plan	1:1,250	1967 - 1972	8
Ordnance Survey Plan	1:2,500	1968 - 1970	9
Ordnance Survey Plan	1:1,250	1973 - 1975	10
Supply of Unpublished Survey Information	1:1,250	1974	11
Ordnance Survey Plan	1:1,250	1986	12
Additional SIMs	1:1,250	1986 - 1990	13
Additional SIMs	1:1,250	1988	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:1,250	1996	16
Historical Aerial Photography	1:2,500	1999	17

## Historical Map - Segment A13



## Order Details

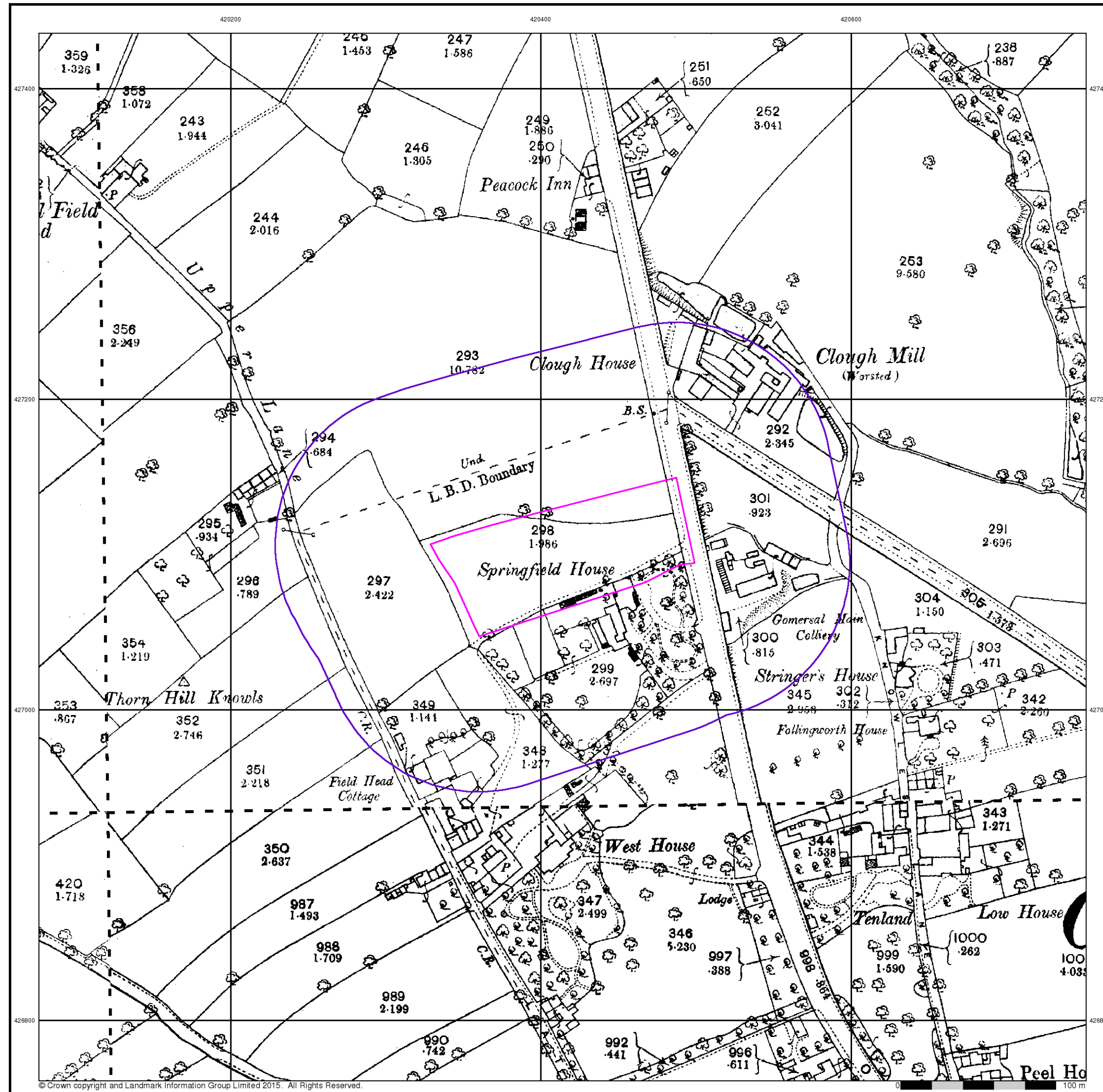
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 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 100

## Site Details

Land North of:., Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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



**Yorkshire**

**Published 1893 - 1894**

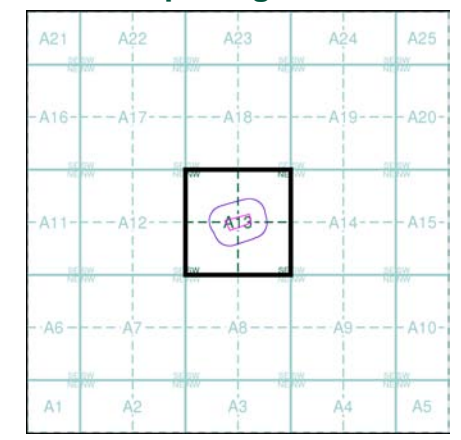
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**Map Name(s) and Date(s)**

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232_05 1894 1:2,500	232_06 1894 1:2,500

**Historical Map - Segment A13**



**Order Details**

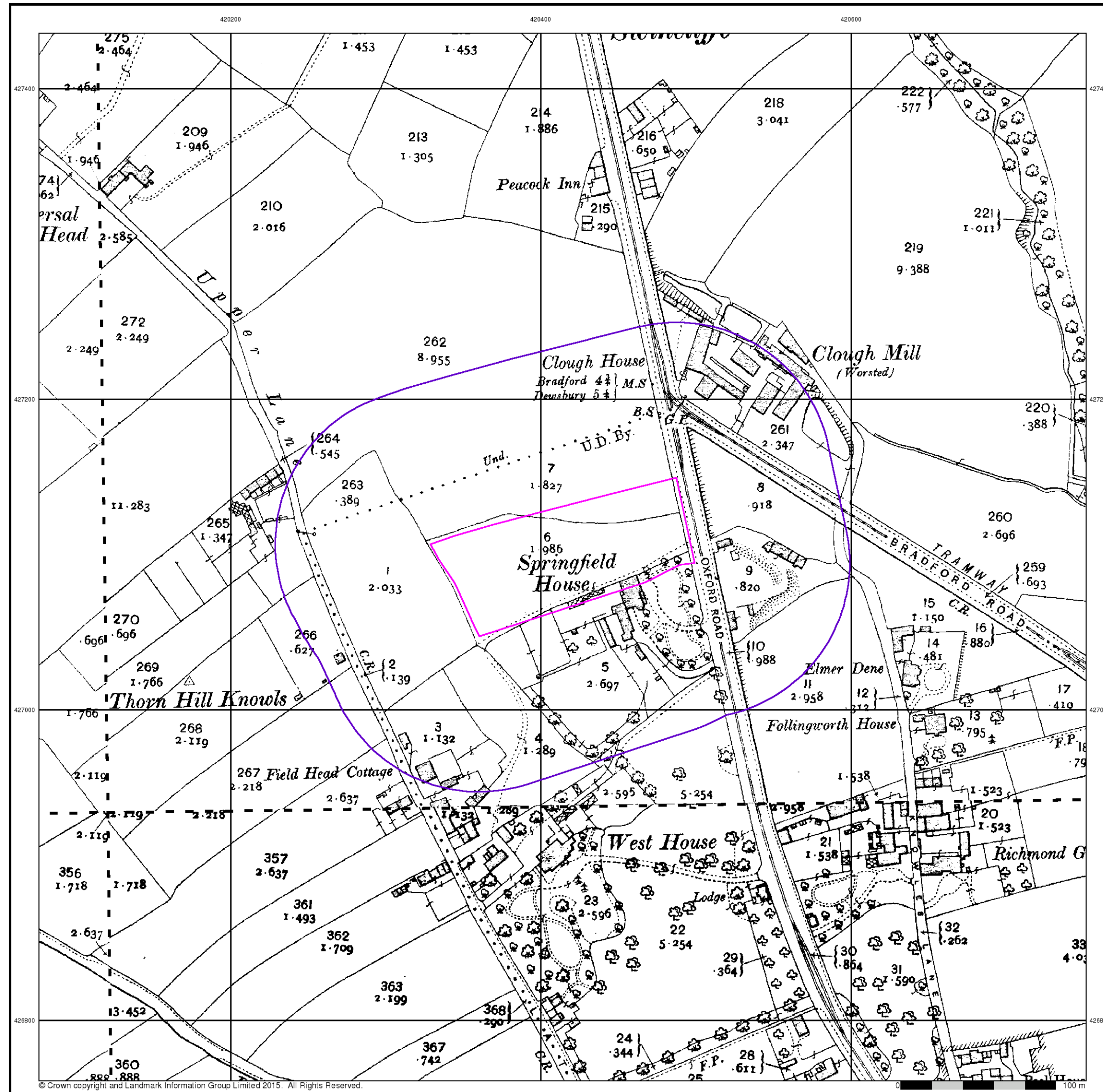
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**Site Details**

Land North of., Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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



**Yorkshire**

**Published 1907 - 1908**

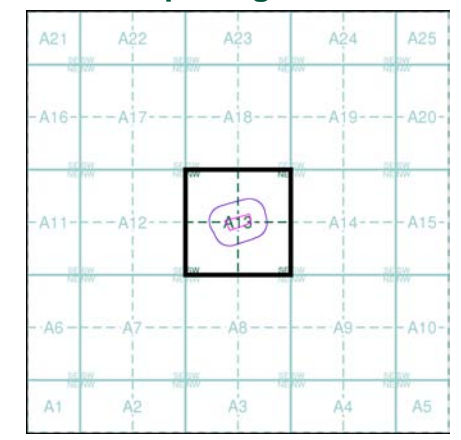
**Source map scale - 1:2,500**

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)**

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232_05 1907 1:2,500	232_06 1908 1:2,500

**Historical Map - Segment A13**



**Order Details**

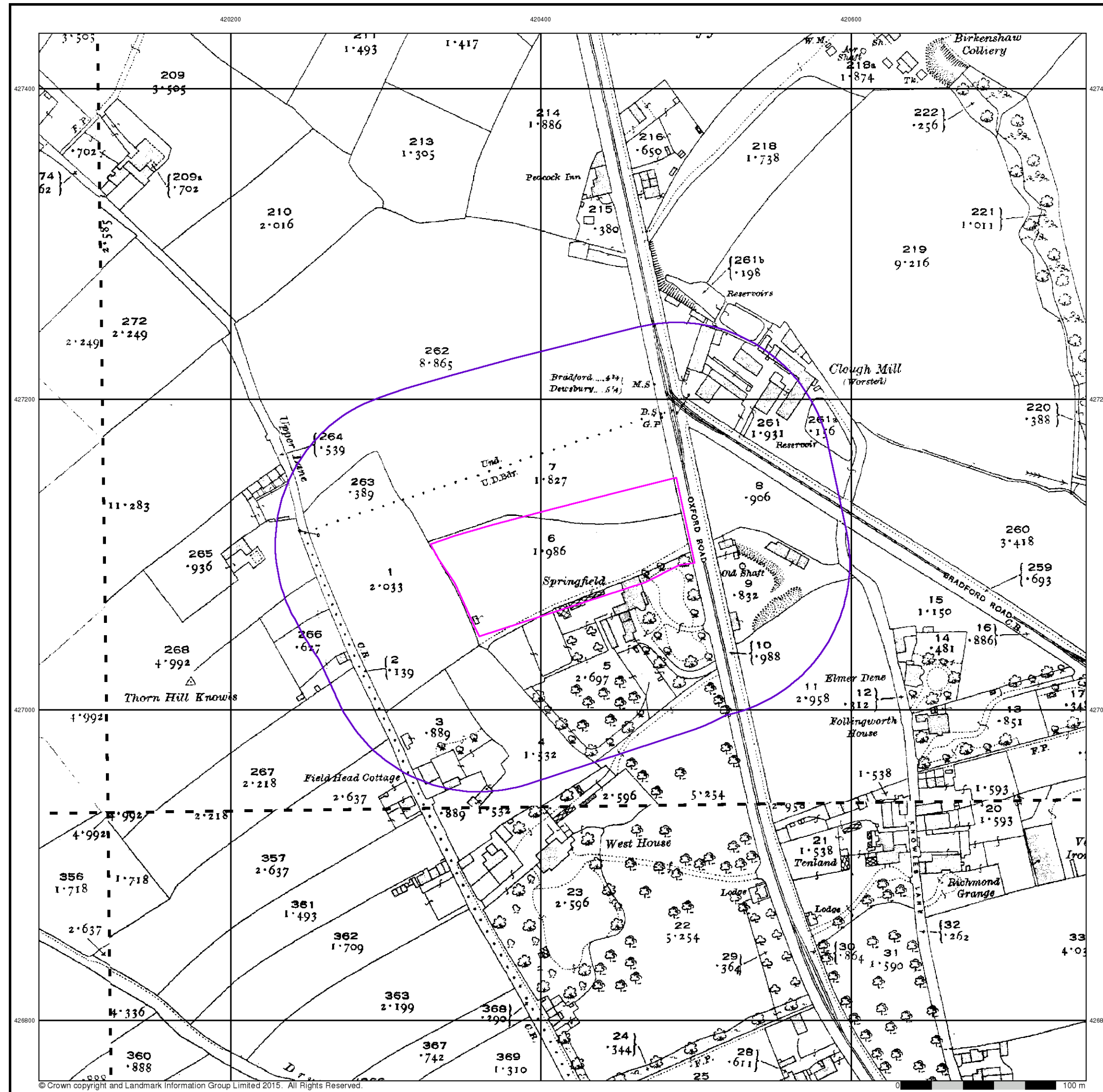
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 Site Area (Ha): 0.97  
 Search Buffer (m): 100

**Site Details**

Land North of., Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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



**Yorkshire**

**Published 1922**

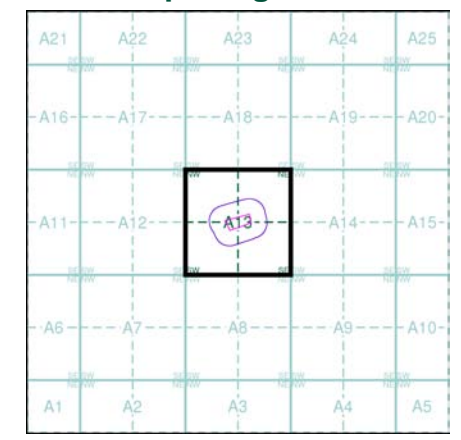
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

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

232_01 1922 1:2,500	232_02 1922 1:2,500
232_05 1922 1:2,500	232_06 1922 1:2,500

**Historical Map - Segment A13**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 100

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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Yorkshire

Published 1938

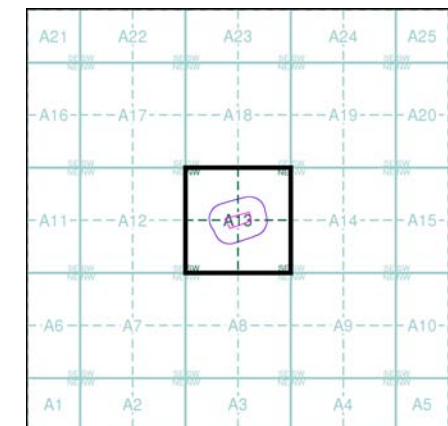
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

Map Name(s) and Date(s)

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Historical Map - Segment A13



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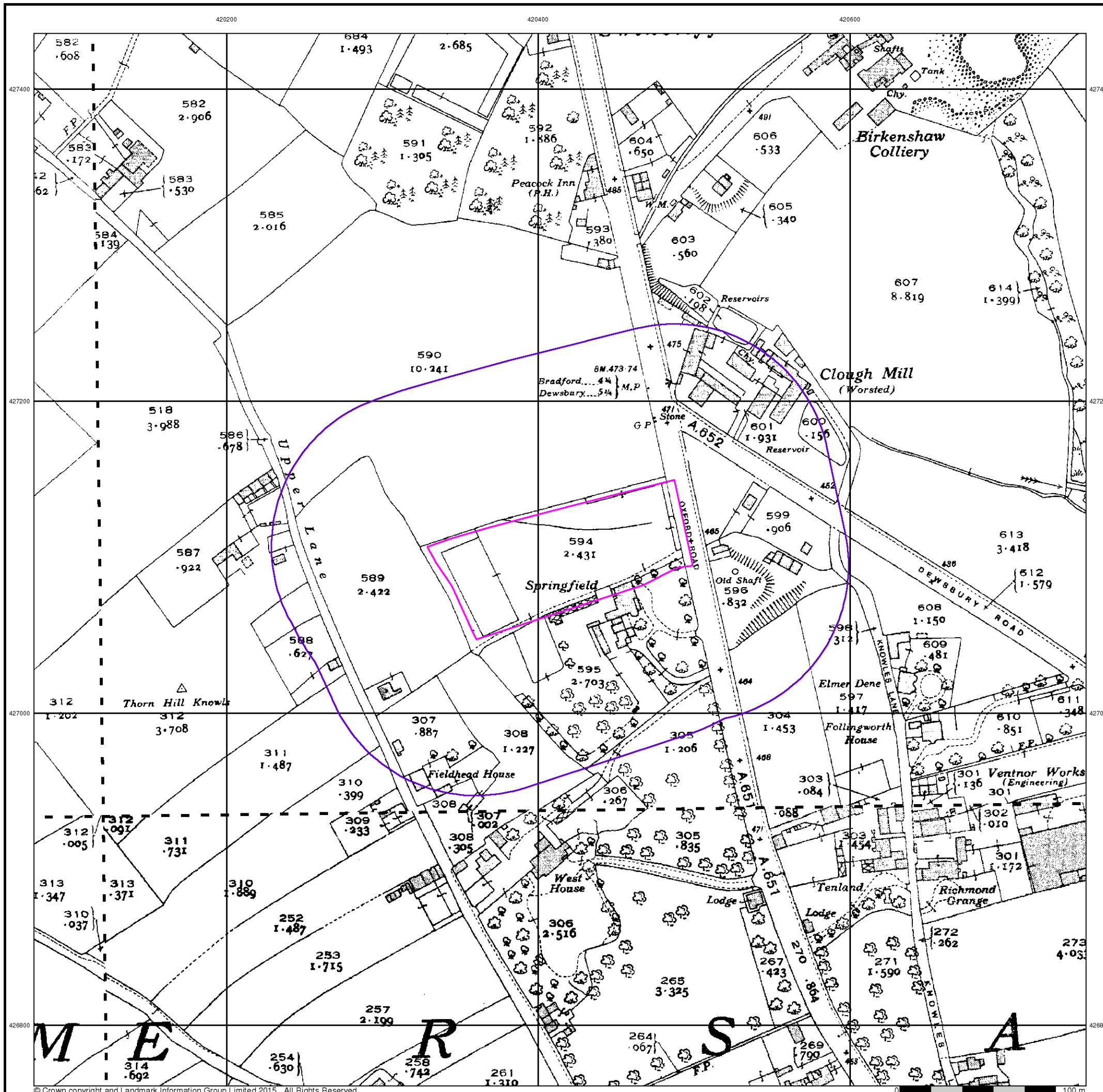
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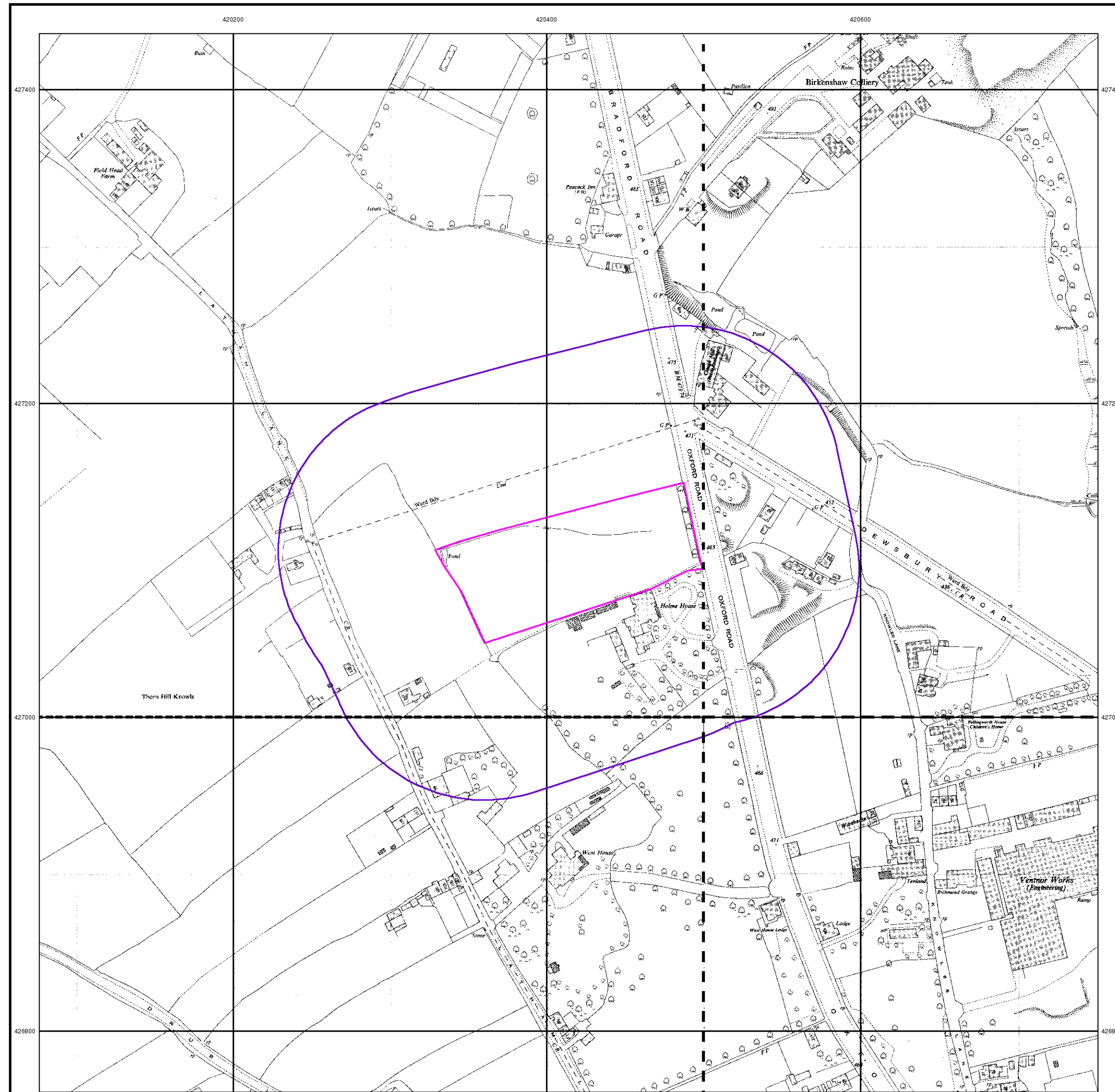
Site Details

Land North of:, Holme House Residential Home, Oxford Road,  
 Gomersal, Cleckheaton, BD19 4LA



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 Fax: 0844 844 9951  
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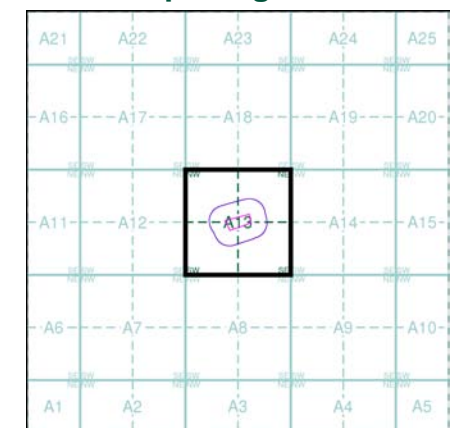
**Ordnance Survey Plan**  
**Published 1956**  
**Source map scale - 1:1,250**

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)**

SE2027SW 1956 1:1,250	SE2027SE 1956 1:1,250
SE2026NW 1956 1:1,250	SE2026NE 1956 1:1,250

**Historical Map - Segment A13**



**Order Details**

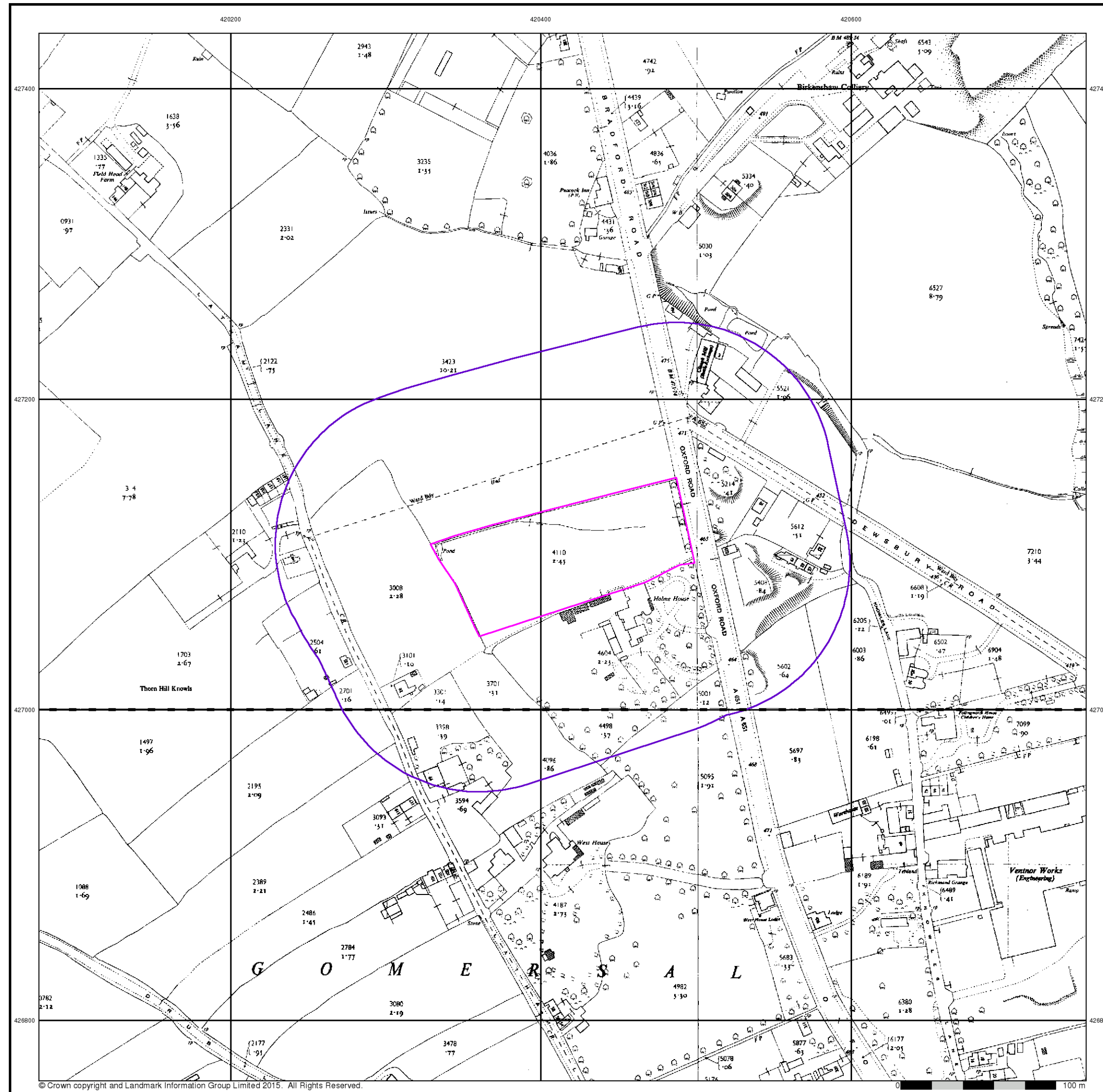
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 100

**Site Details**

Land North of., Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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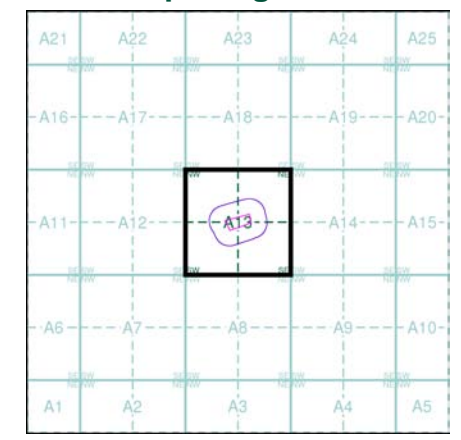
**Ordnance Survey Plan**  
**Published 1957**  
**Source map scale - 1:2,500**

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

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

SE2027	1957	1:2,500
SE2026	1957	1:2,500

**Historical Map - Segment A13**



**Order Details**

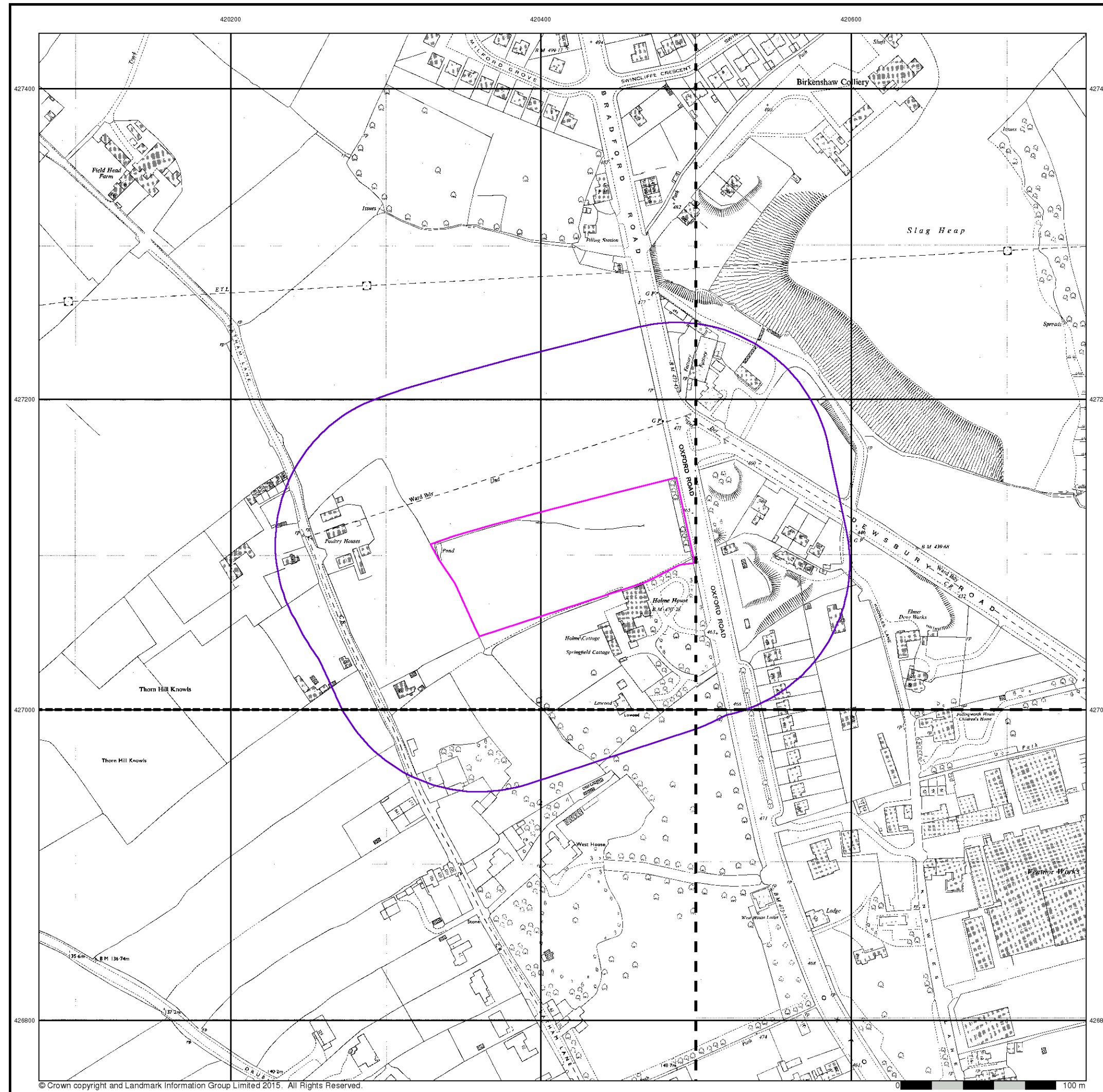
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
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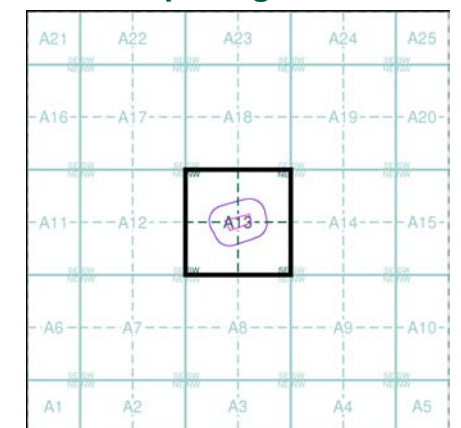
**Ordnance Survey Plan**  
**Published 1967 - 1972**  
**Source map scale - 1:1,250**

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)**

SE2027SW 1967 1:1,250	SE2027SE 1967 1:1,250
SE2026NW 1972 1:1,250	SE2026NE 1967 1:1,250

**Historical Map - Segment A13**



**Order Details**

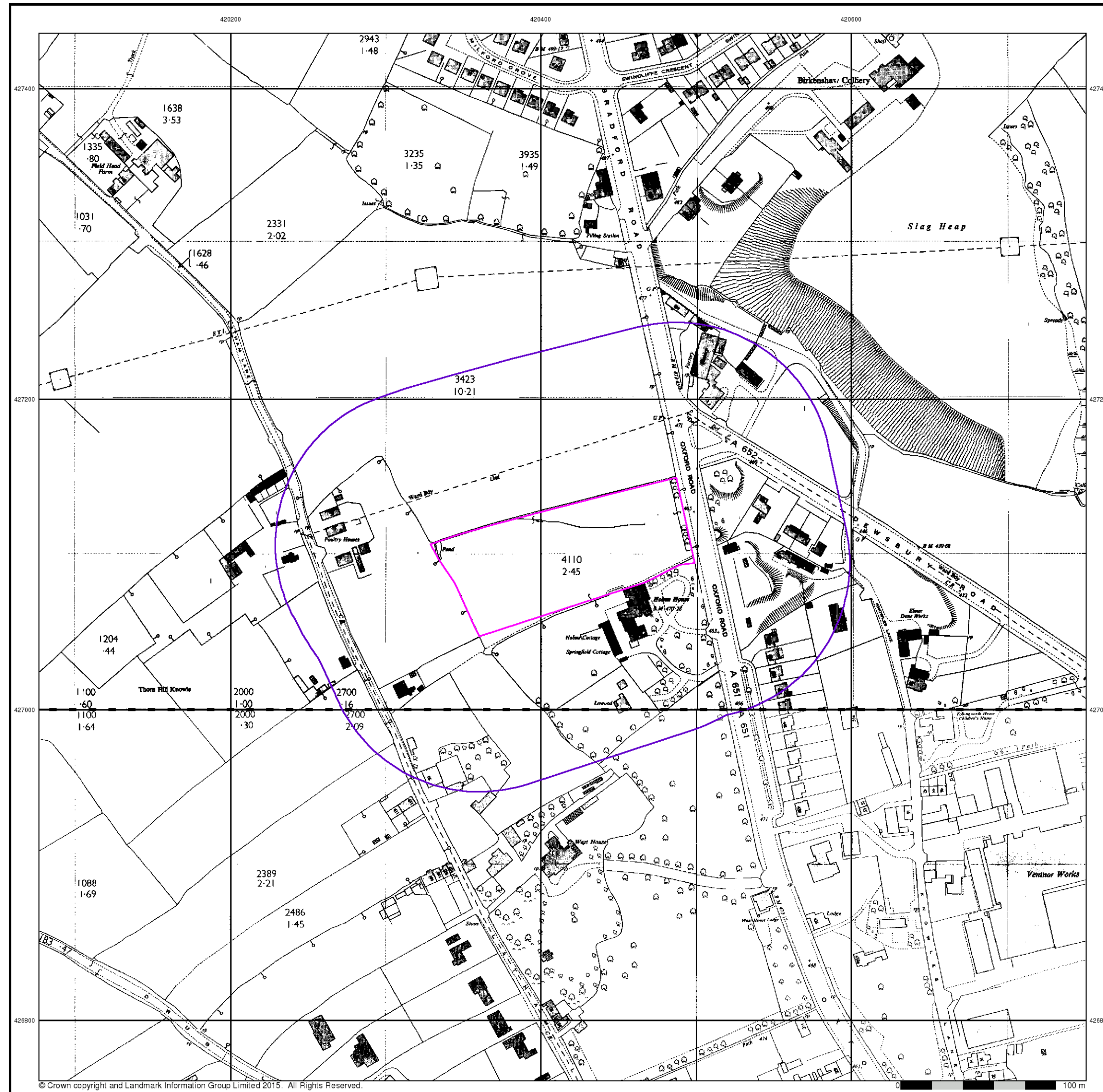
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
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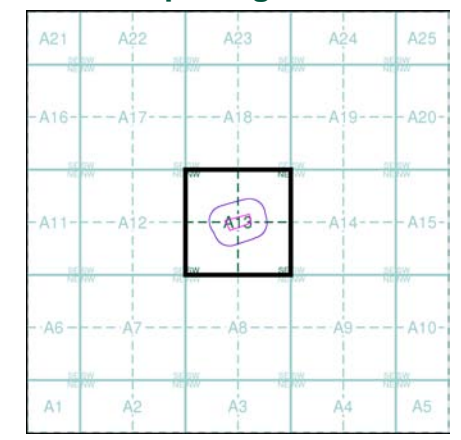
**Ordnance Survey Plan**  
**Published 1968 - 1970**  
**Source map scale - 1:2,500**

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

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

SE2027	1970	1:2,500
SE2026	1968	1:2,500

**Historical Map - Segment A13**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
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 Site Area (Ha): 0.97  
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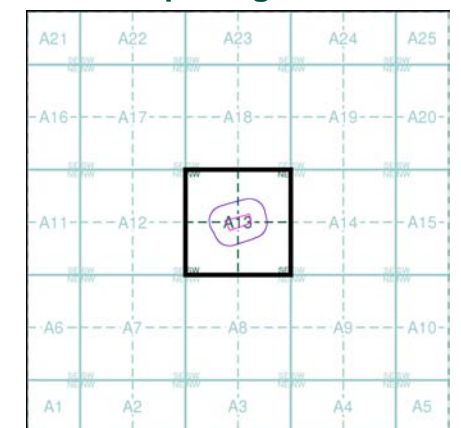
**Ordnance Survey Plan**  
**Published 1973 - 1975**  
**Source map scale - 1:1,250**

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)**

SE2027SW 1973 1:1,250	SE2027SE 1973 1:1,250
	SE2026NE 1975 1:1,250

**Historical Map - Segment A13**



**Order Details**

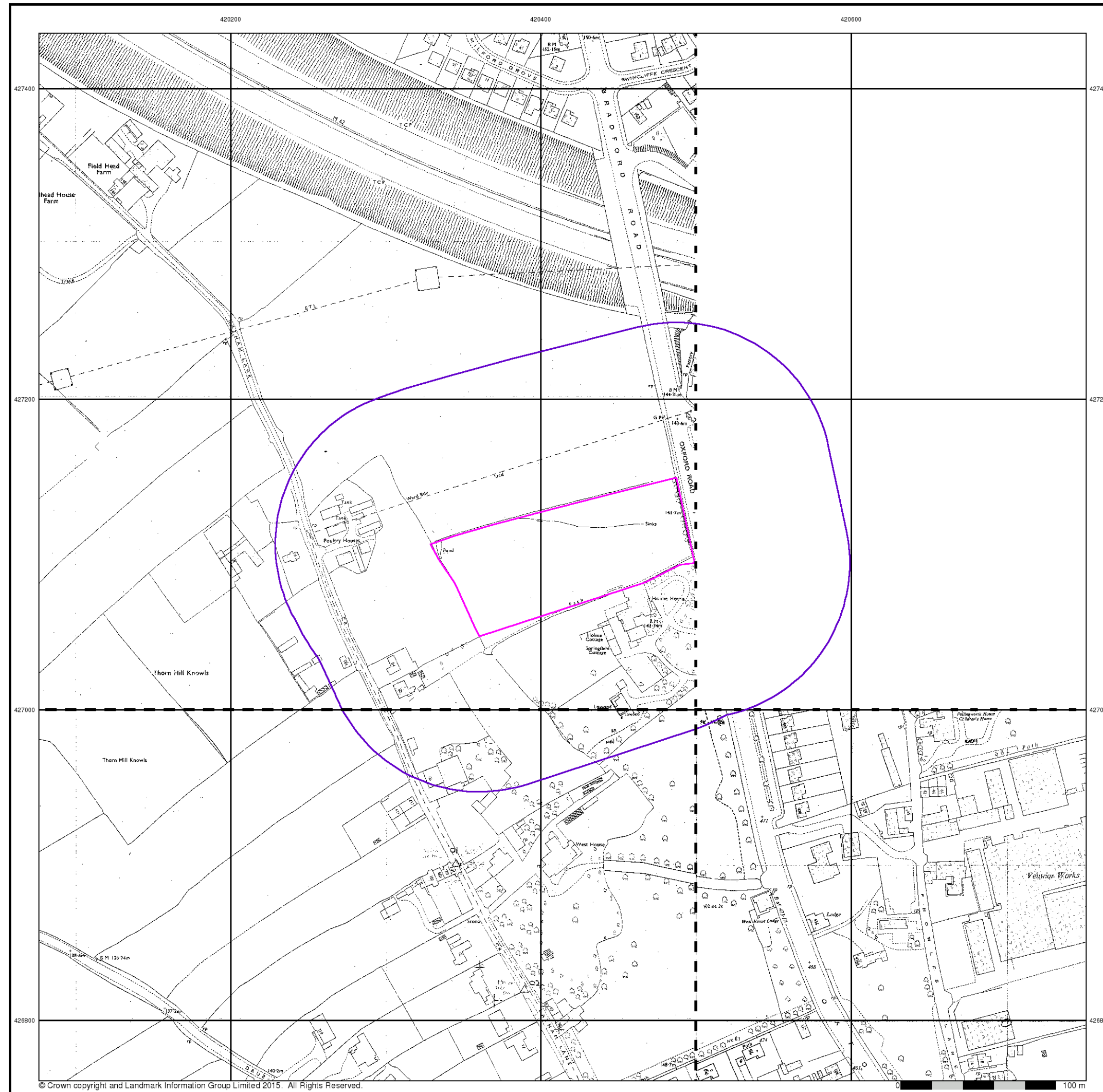
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
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 Slice: A  
 Site Area (Ha): 0.97  
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## Supply of Unpublished Survey Information

Published 1974

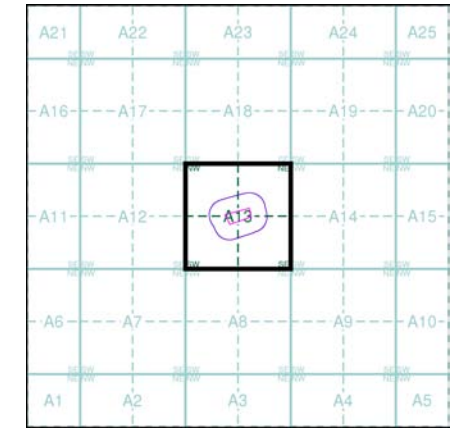
Source map scale - 1:1,250

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

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

SE2027SW	1974	1:1,250
SE2026NW	1974	1:1,250
SE2026NE	1974	1:1,250

### Historical Map - Segment A13



### Order Details

Order Number: 130729316\_1\_1  
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 Site Area (Ha): 0.97  
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### Site Details

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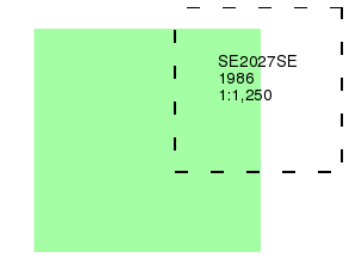
Tel: 0844 844 9952  
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 Web: www.envirocheck.co.uk



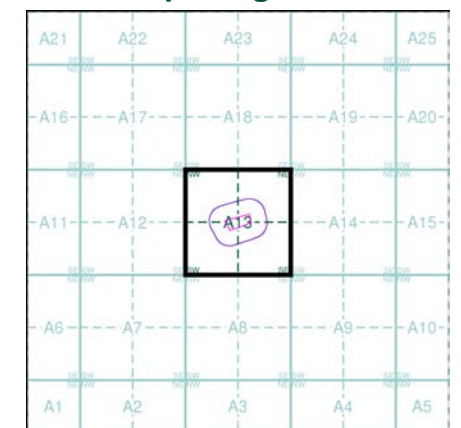
**Ordnance Survey Plan**  
**Published 1986**  
**Source map scale - 1:1,250**

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

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



**Historical Map - Segment A13**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 100

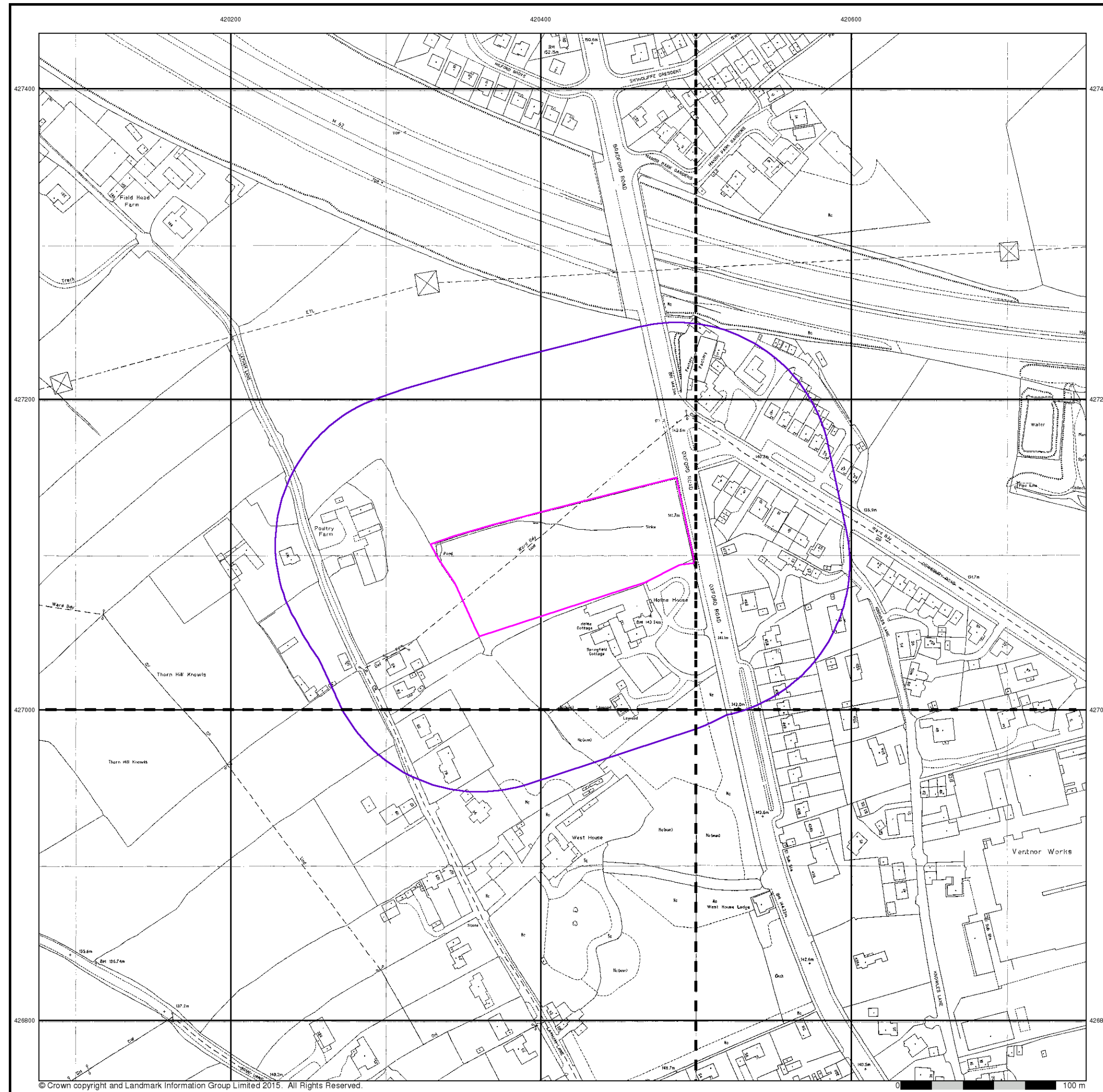
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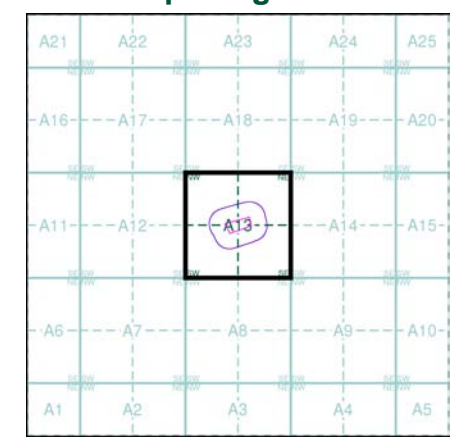
**Large-Scale National Grid Data**  
**Published 1993**  
**Source map scale - 1:1,250**

'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)**

SE2027SW 1993 1:1,250	SE2027SE 1993 1:1,250
SE2026NW 1993 1:1,250	SE2026NE 1993 1:1,250

**Historical Map - Segment A13**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
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420200

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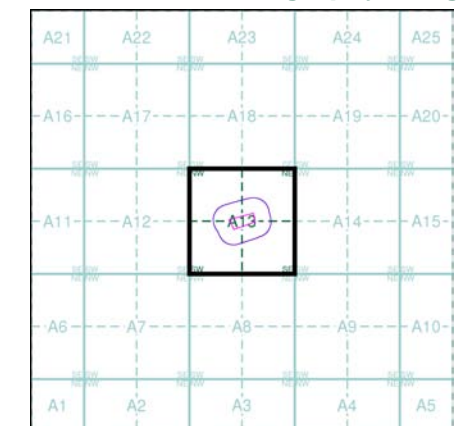


## Historical Aerial Photography

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



### Order Details

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 100

### Site Details

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# Historical Mapping Legends

## Ordnance Survey County Series 1:10,560

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

## Ordnance Survey Plan 1:10,000

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

## 1:10,000 Raster Mapping

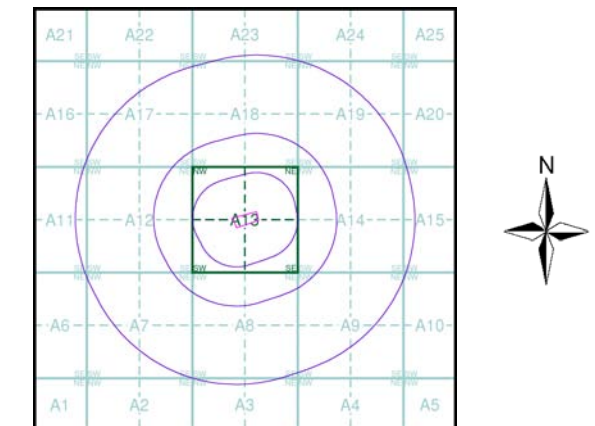
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil,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



## Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Yorkshire	1:10,560	1854	3
Yorkshire	1:10,560	1894	4
Yorkshire	1:10,560	1908	5
Yorkshire	1:10,560	1932	6
Yorkshire	1:10,560	1938	7
Yorkshire	1:10,560	1948	8
Ordnance Survey Plan	1:10,000	1955	9
Ordnance Survey Plan	1:10,000	1966 - 1967	10
Leeds	1:10,000	1972	11
Ordnance Survey Plan	1:10,000	1976	12
Batley	1:10,000	1983	13
Ordnance Survey Plan	1:10,000	1984 - 1986	14
Bradford	1:10,000	1990	15
Ordnance Survey Plan	1:10,000	1991 - 1995	16
10K Raster Mapping	1:10,000	2000	17
10K Raster Mapping	1:10,000	2006	18
VectorMap Local	1:10,000	2017	19

## Historical Map - Slice A



## Order Details

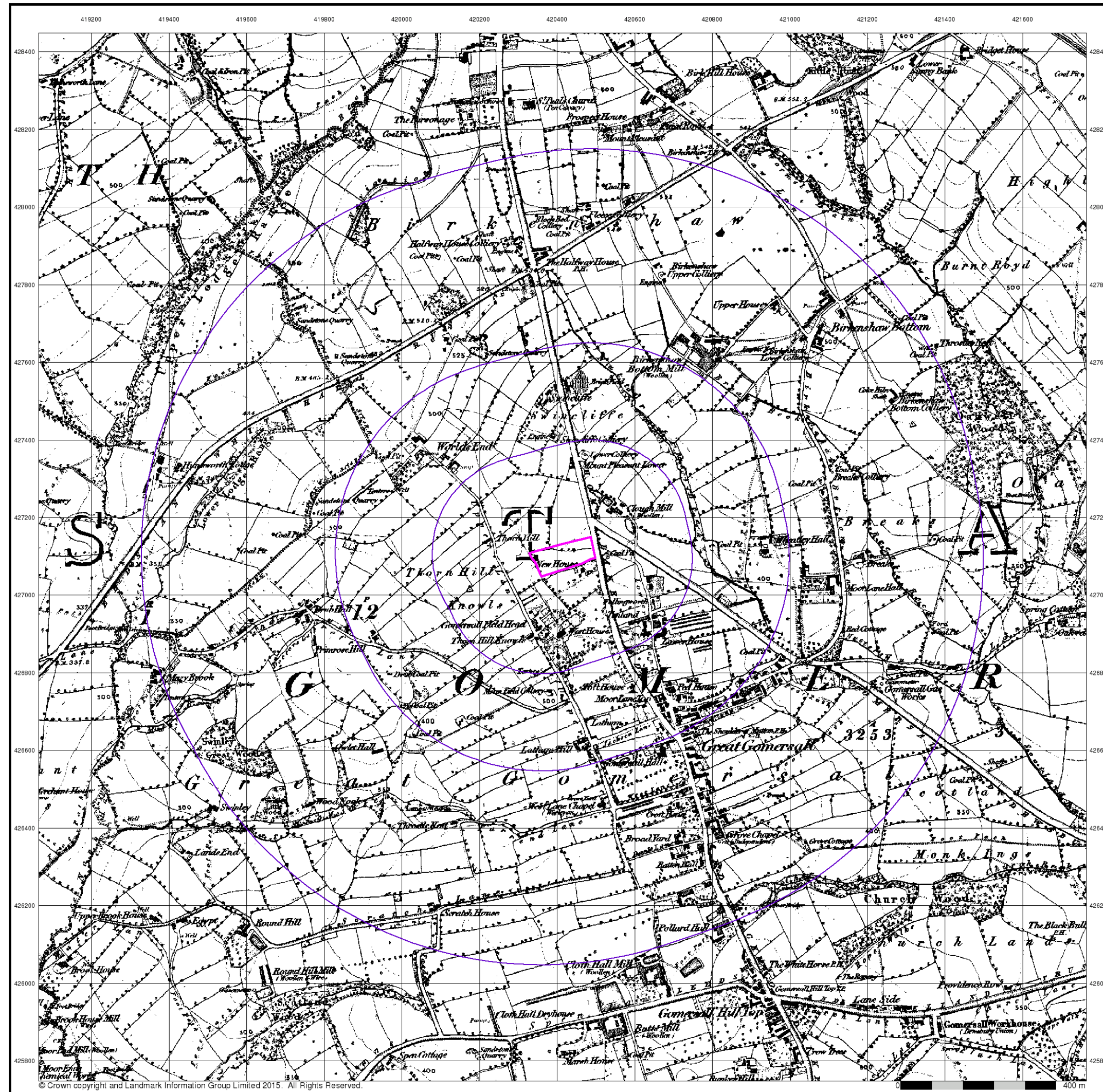
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

## Site Details

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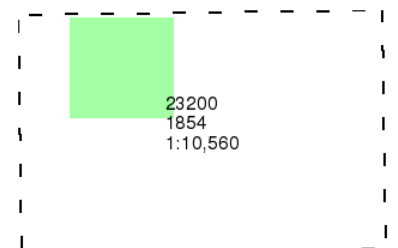
**Yorkshire**

**Published 1854**

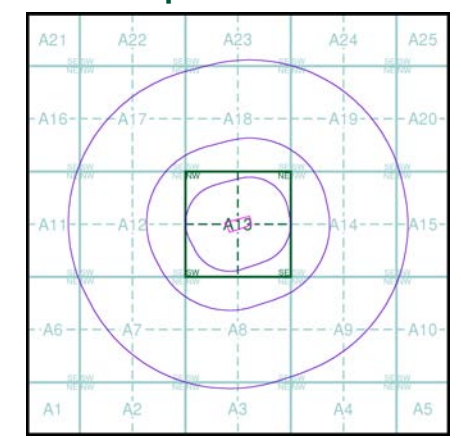
**Source map scale - 1:10,560**

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

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



**Historical Map - Slice A**



**Order Details**

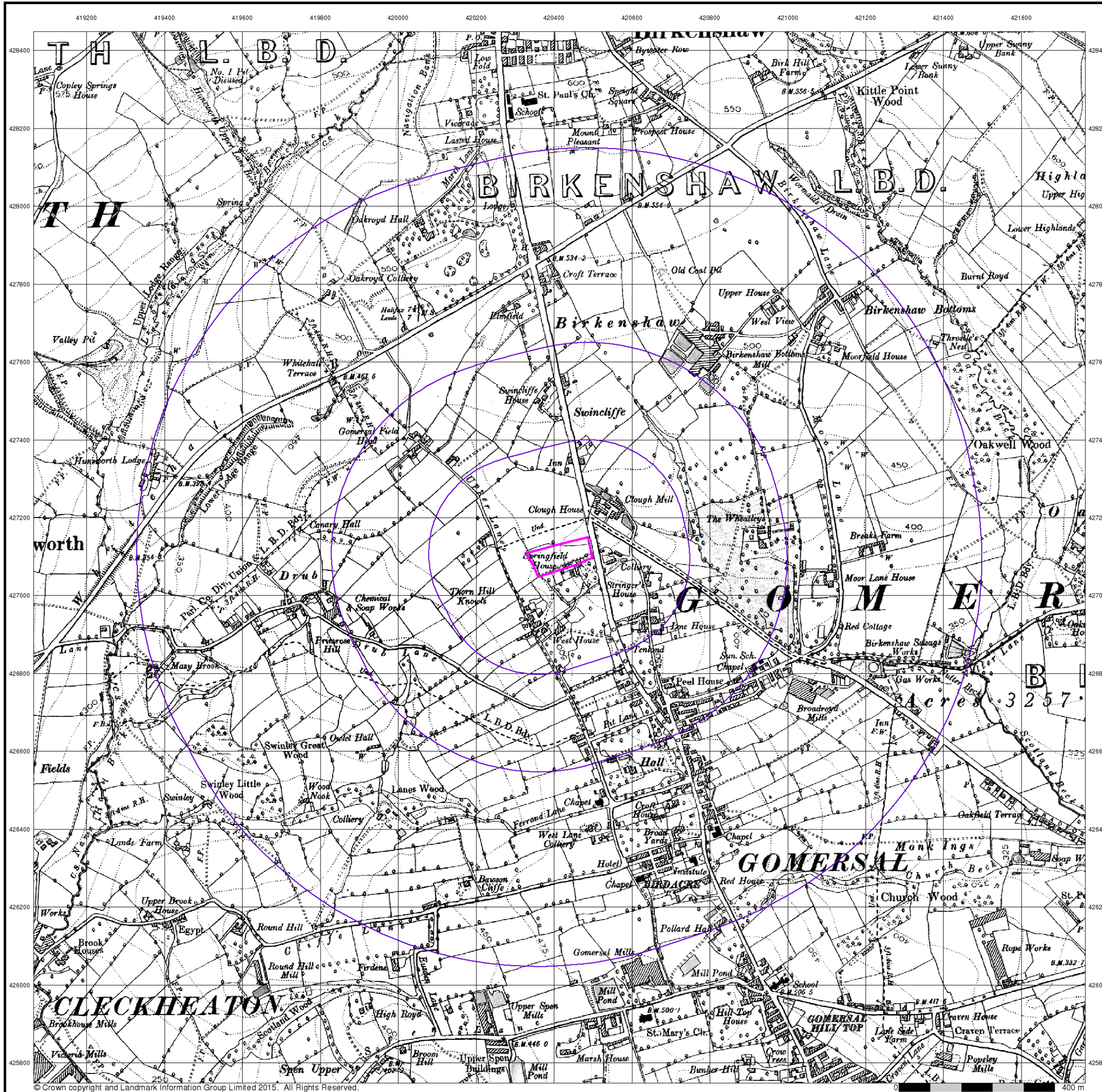
Order Number: 130729316\_1\_1  
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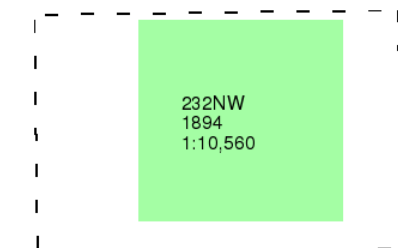
**Yorkshire**

**Published 1894**

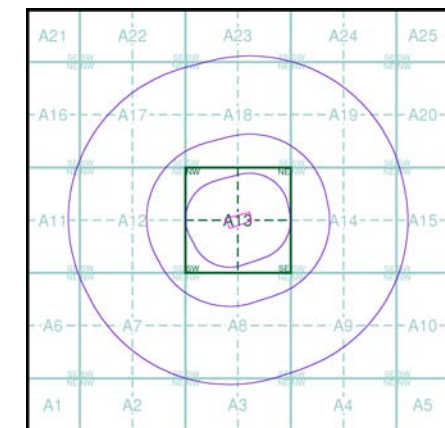
**Source map scale - 1:10,560**

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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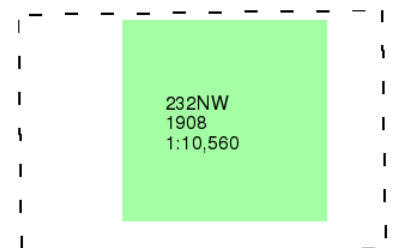
**Yorkshire**

**Published 1908**

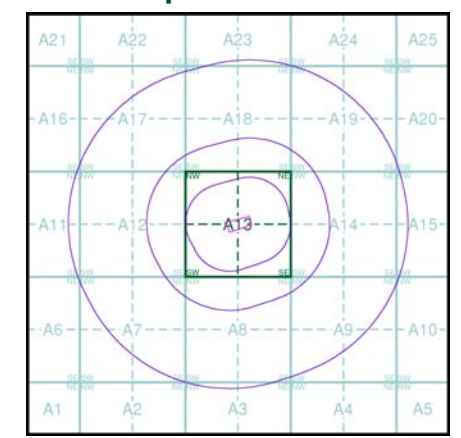
**Source map scale - 1:10,560**

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



**Historical Map - Slice A**



**Order Details**

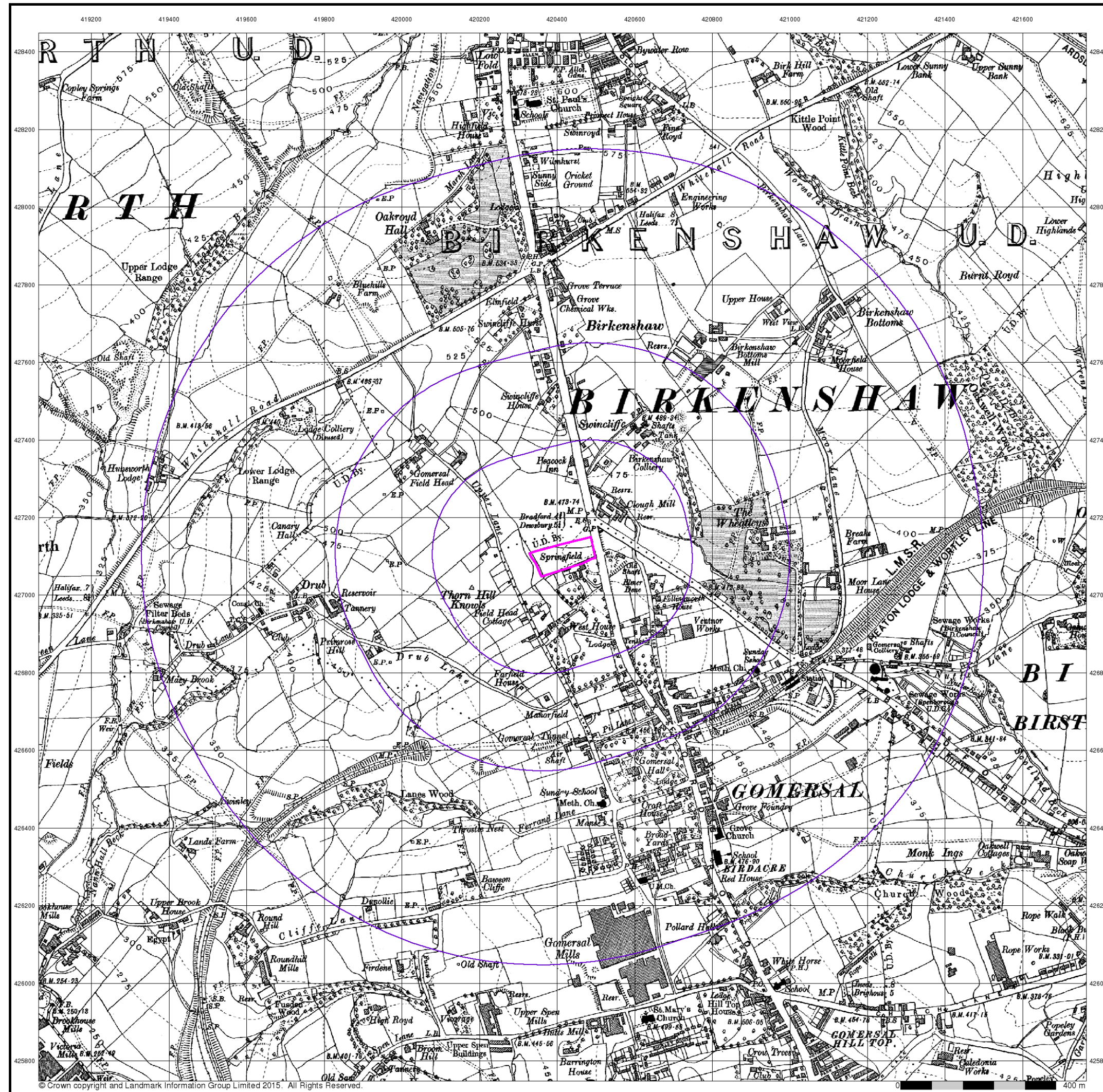
Order Number: 130729316\_1\_1  
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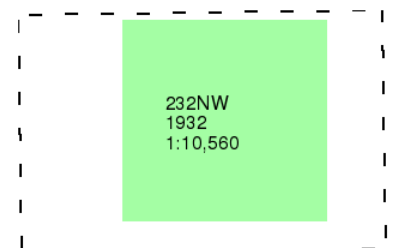
**Yorkshire**

**Published 1932**

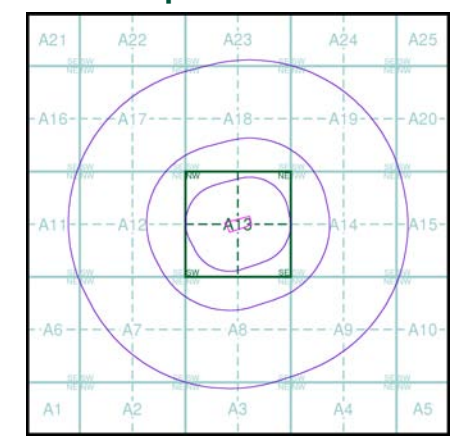
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps.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

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



**Historical Map - Slice A**



**Order Details**

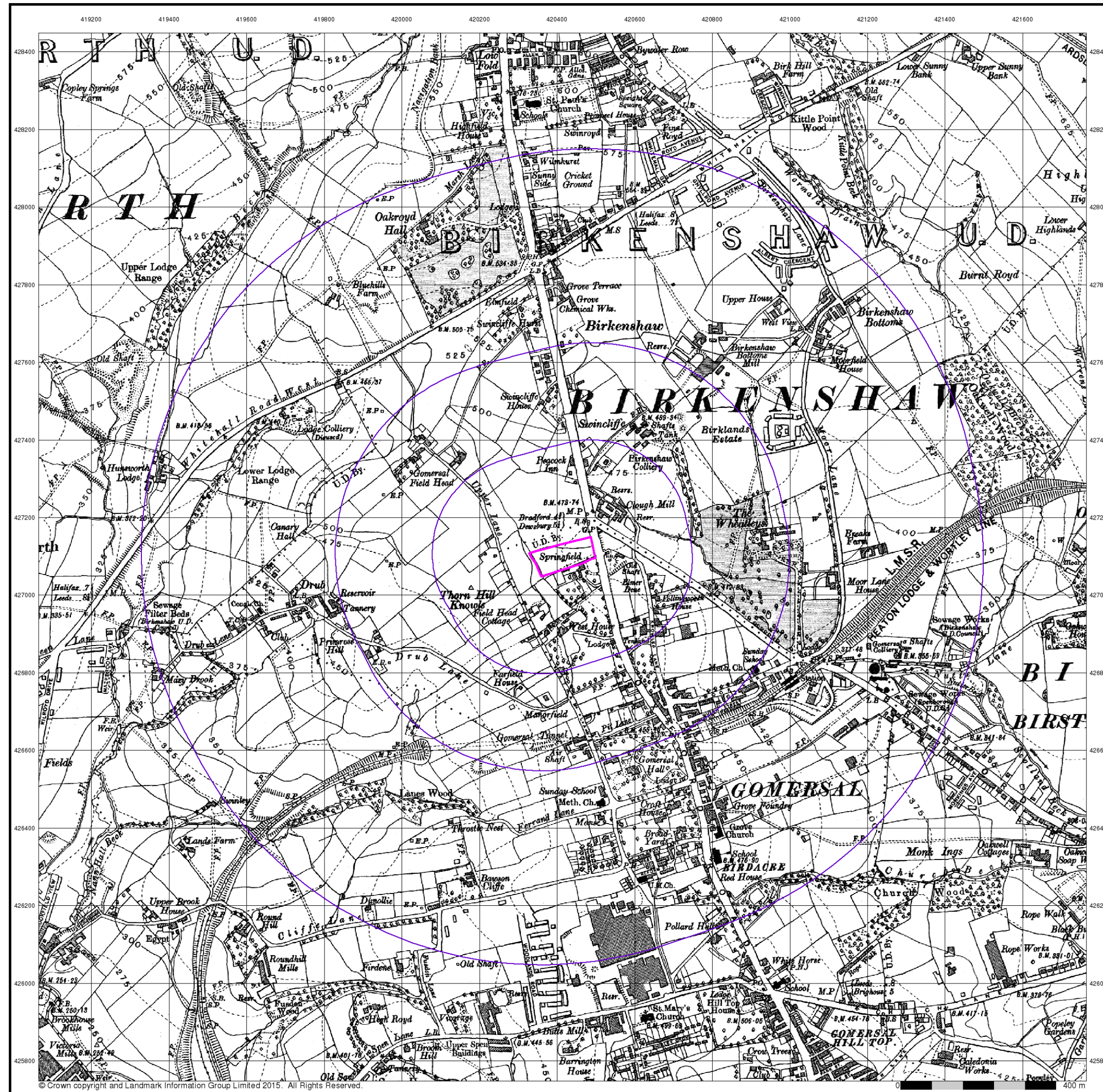
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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



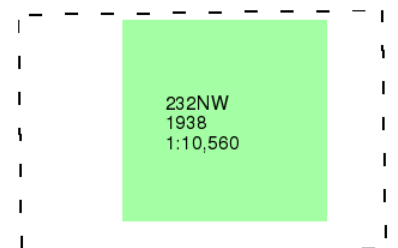
**Yorkshire**

**Published 1938**

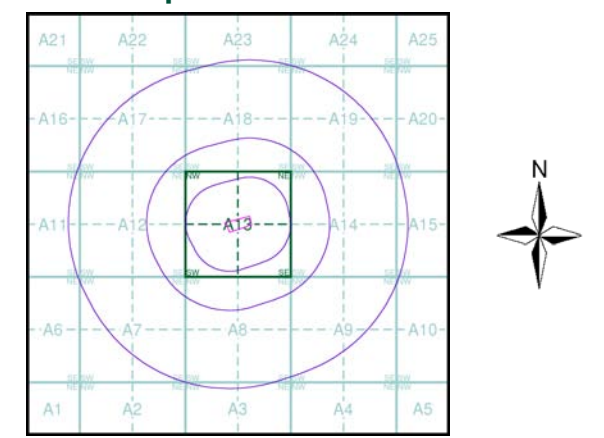
**Source map scale - 1:10,560**

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

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



**Historical Map - Slice A**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
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**Site Details**

Land North of: Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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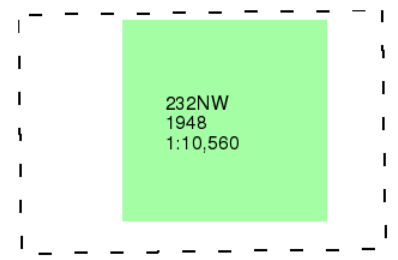




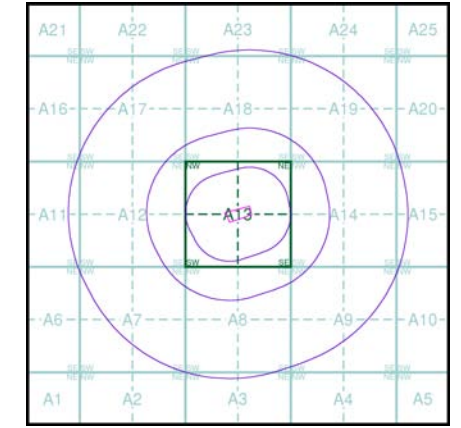
**Yorkshire**  
**Published 1948**  
**Source map scale - 1:10,560**

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

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



**Historical Map - Slice A**



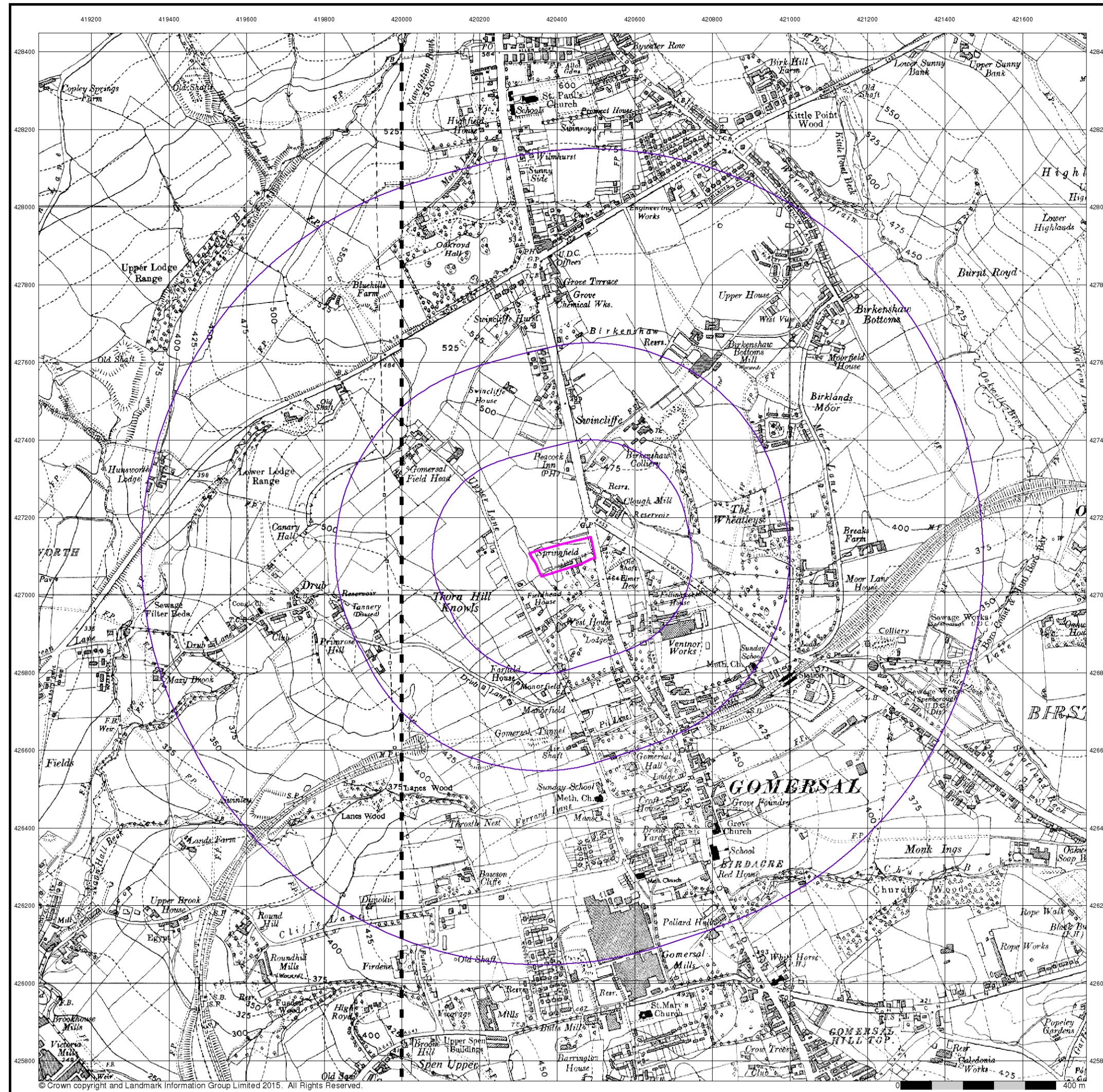
**Order Details**

Order Number:	130729316_1_1
Customer Ref:	17-174
National Grid Reference:	420420, 427100
Slice:	A
Site Area (Ha):	0.97
Search Buffer (m):	1000

**Site Details**  
 Land North of., Holme House Residential Home, Oxford Road,  
 Gomersal, Cleckheaton, BD19 4LA

**Landmark**  
 INFORMATION GROUP

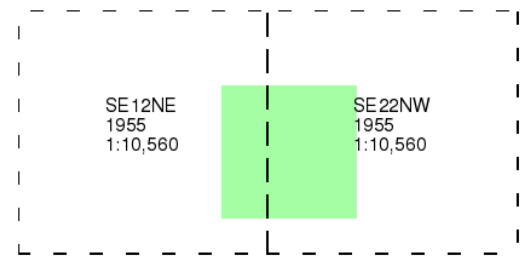
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



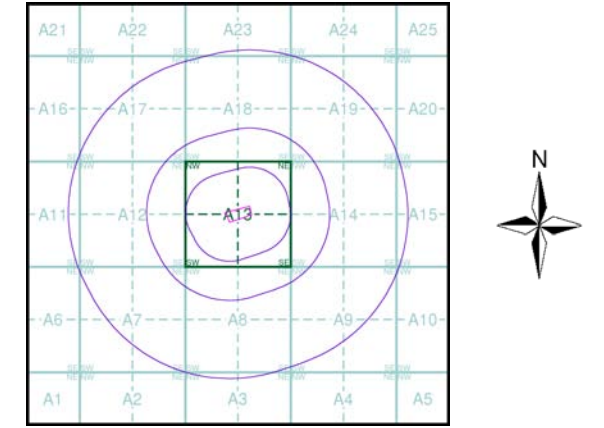
**Ordnance Survey Plan**  
**Published 1955**  
**Source map scale - 1:10,000**

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

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



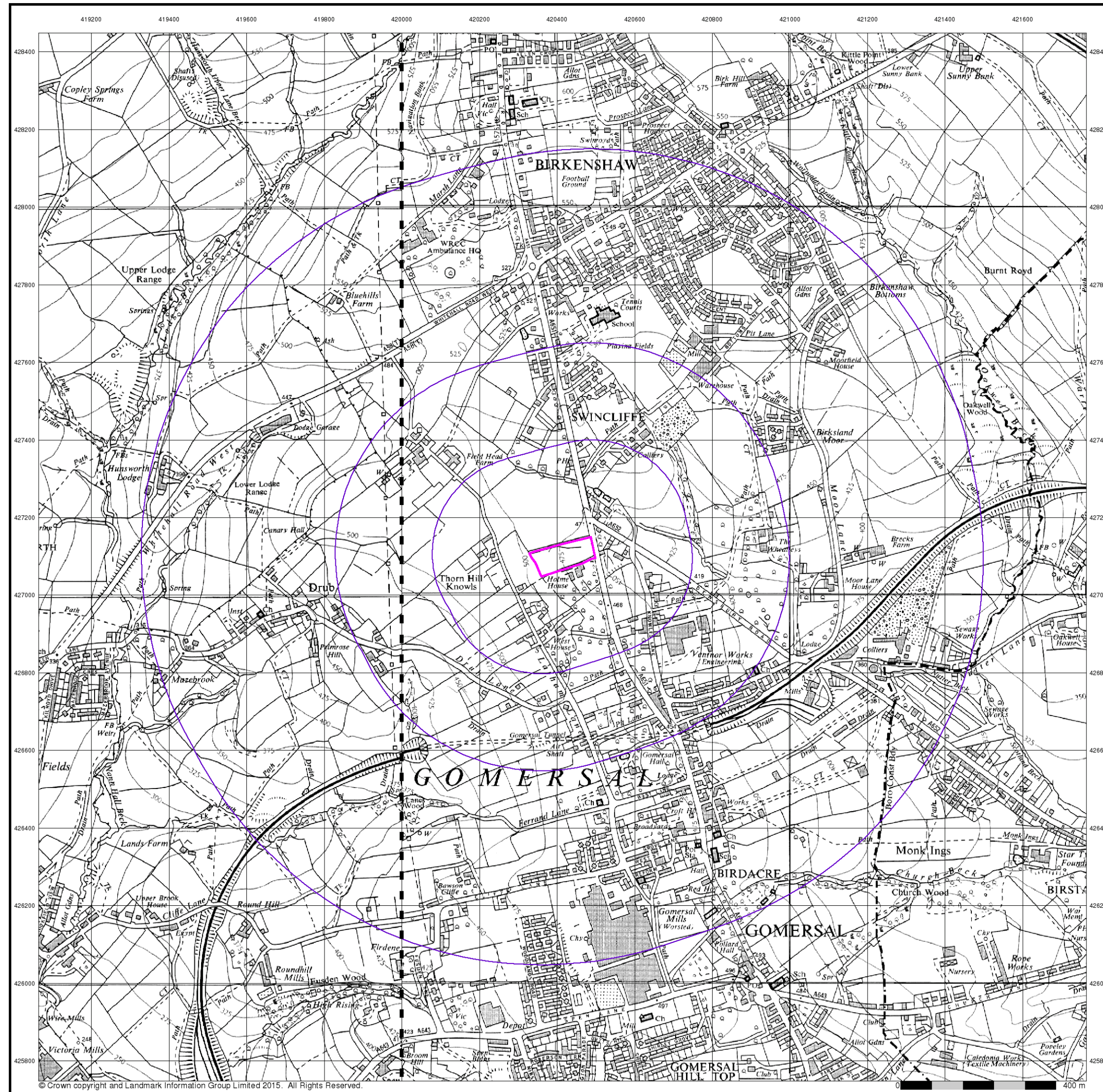
**Historical Map - Slice A**



**Order Details**  
 Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**  
 Land North of., Holme House Residential Home, Oxford Road,  
 Gomersal, Cleckheaton, BD19 4LA

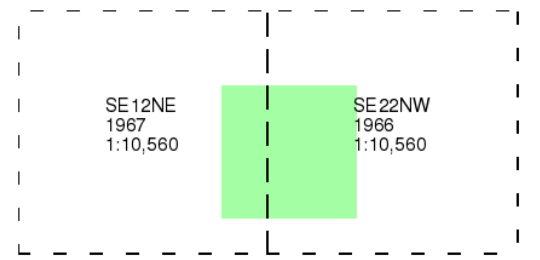
**Landmark** INFORMATION GROUP  
 Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



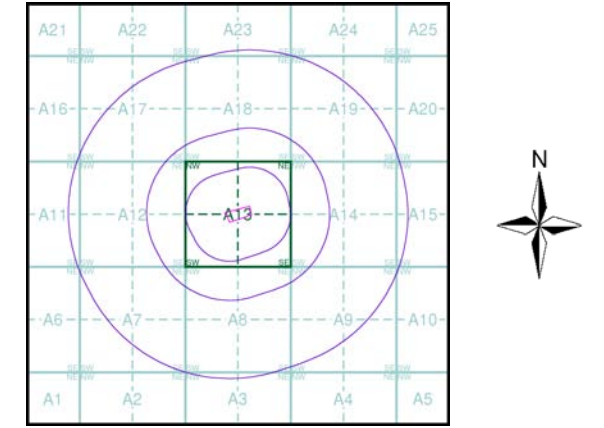
**Ordnance Survey Plan**  
**Published 1966 - 1967**  
**Source map scale - 1:10,000**

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

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



**Historical Map - Slice A**



**Order Details**

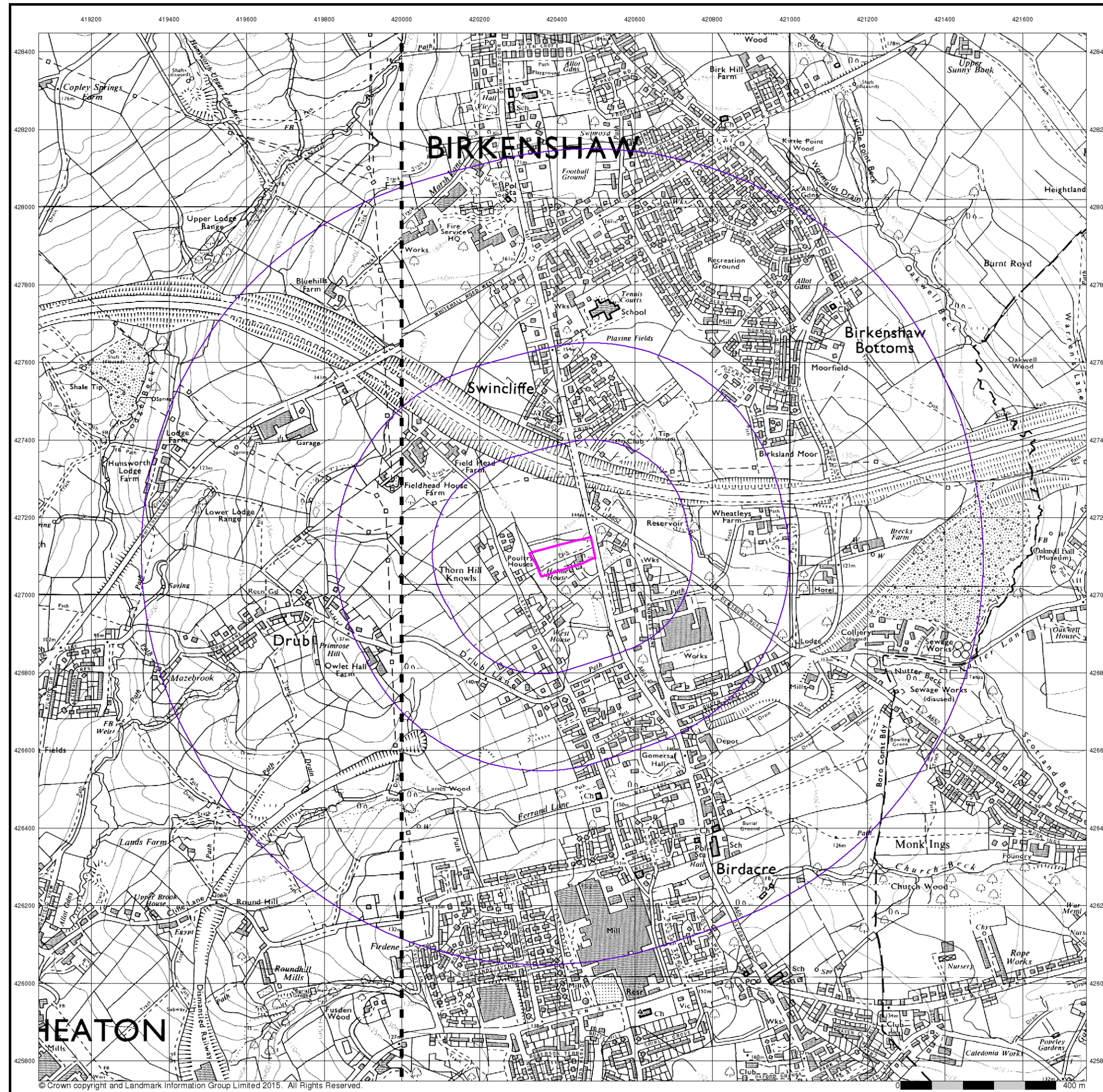
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 National Grid Reference: 420420, 427100  
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 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



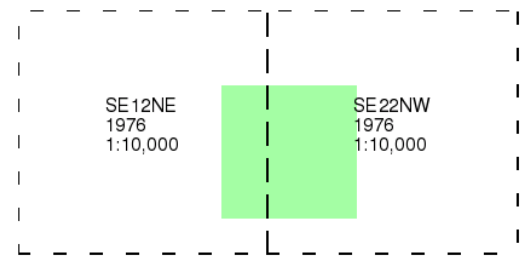
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



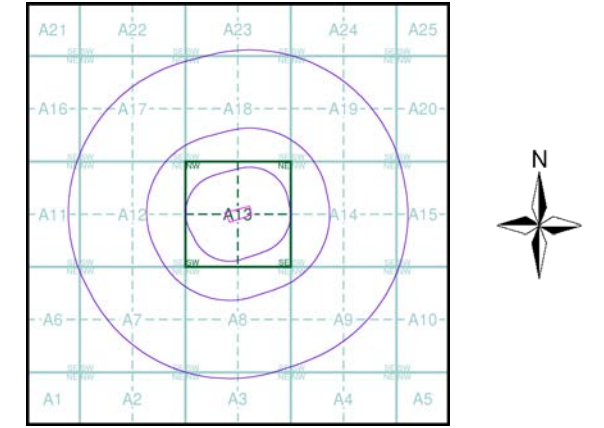
**Ordnance Survey Plan**  
**Published 1976**  
**Source map scale - 1:10,000**

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



**Historical Map - Slice A**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



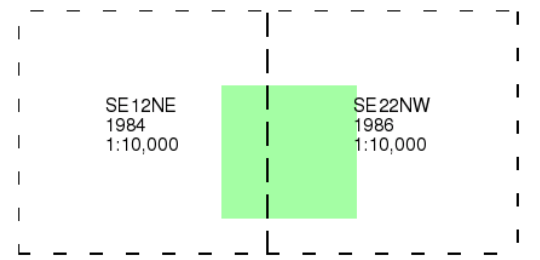
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



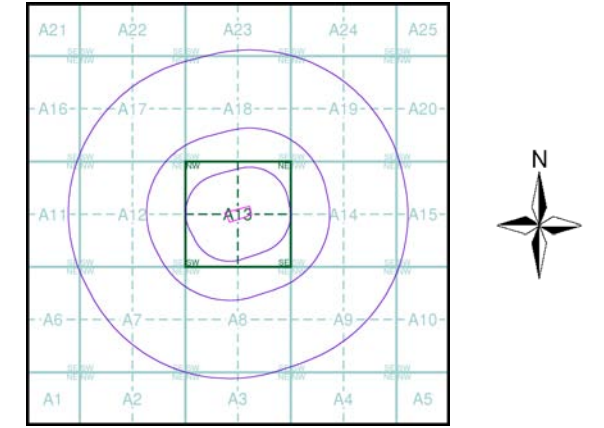
**Ordnance Survey Plan**  
**Published 1984 - 1986**  
**Source map scale - 1:10,000**

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



**Historical Map - Slice A**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of., Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



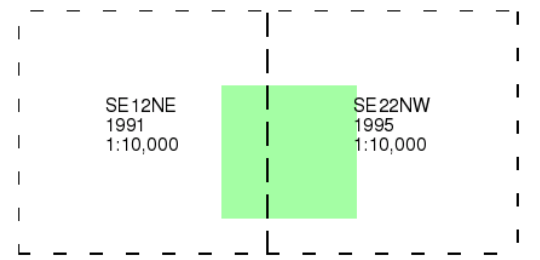
Tel: 0844 844 9952  
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 Web: www.envirocheck.co.uk



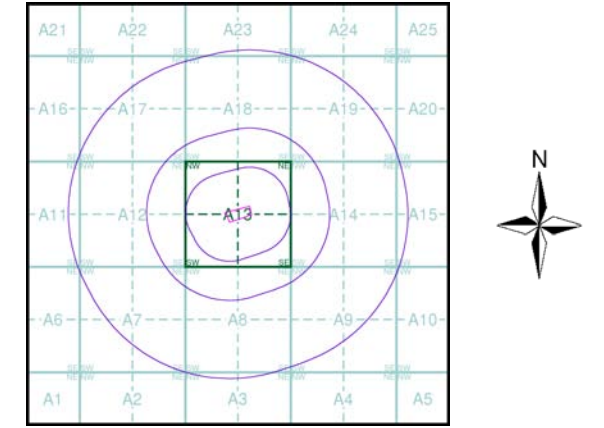
**Ordnance Survey Plan**  
**Published 1991 - 1995**  
**Source map scale - 1:10,000**

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

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



**Historical Map - Slice A**



**Order Details**

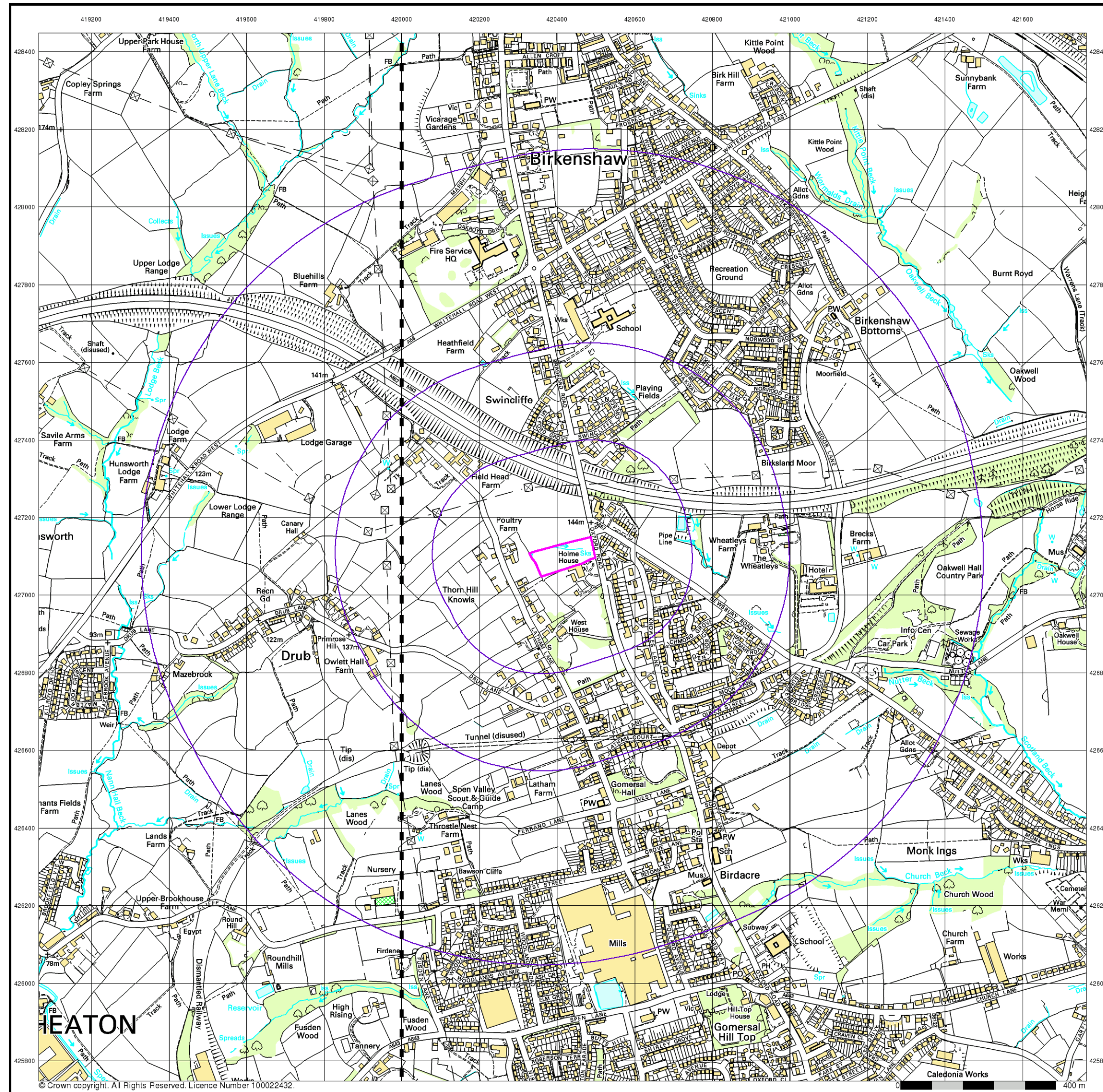
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
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 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



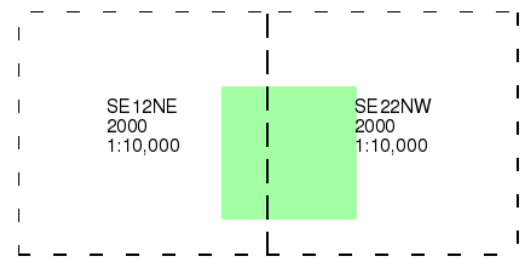
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



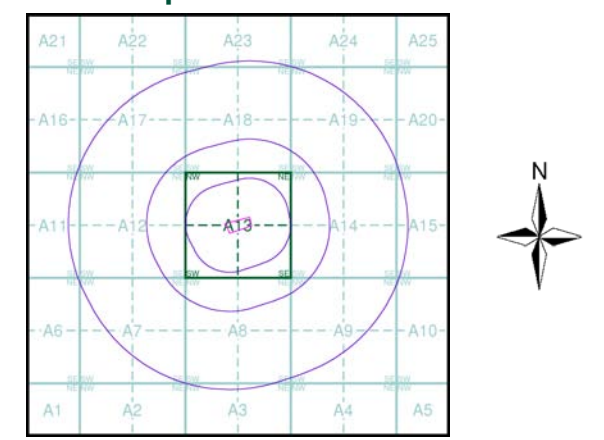
**10k Raster Mapping**  
**Published 2000**  
**Source map scale - 1:10,000**

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

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



**Historical Map - Slice A**



**Order Details**

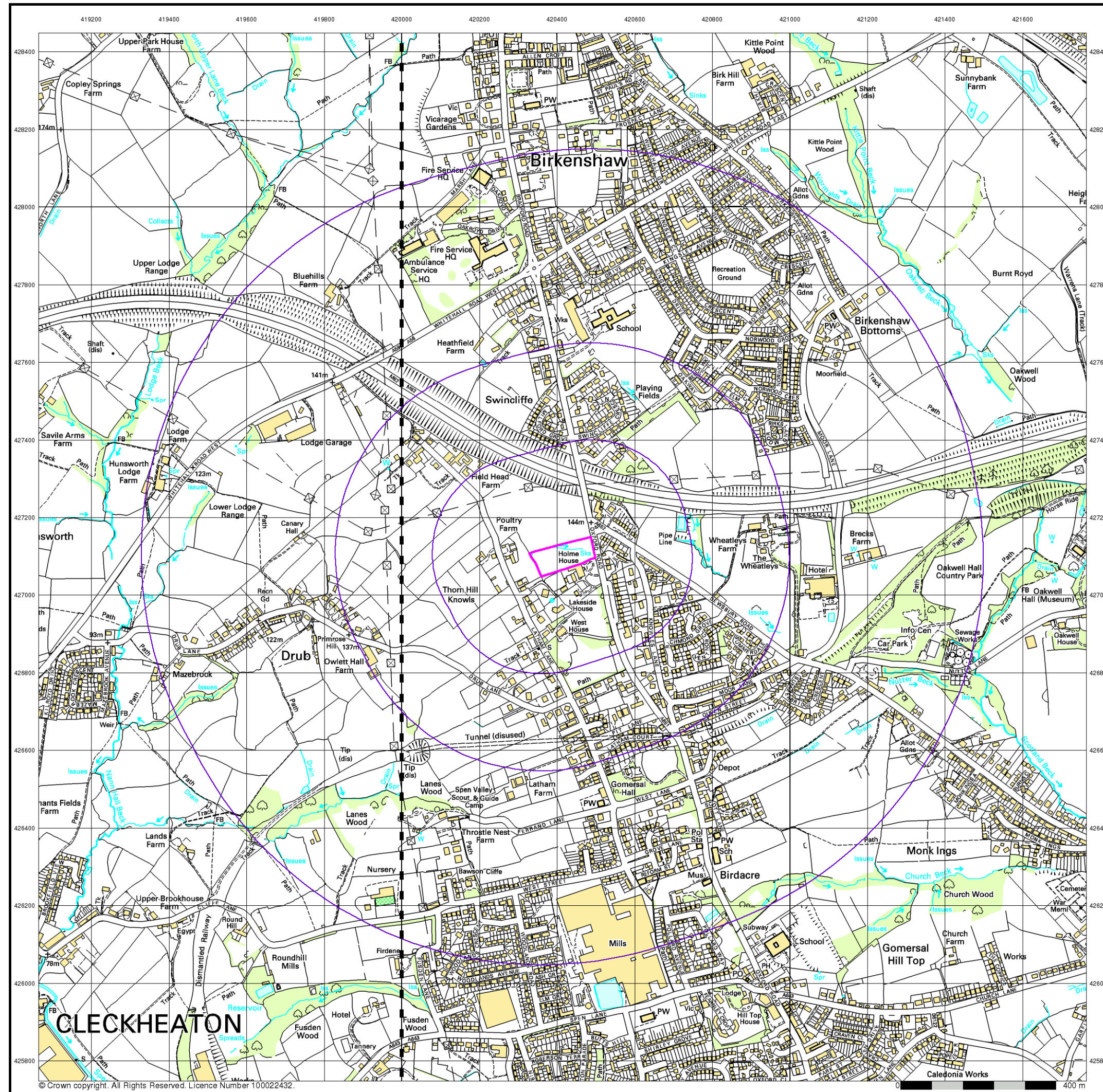
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
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 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



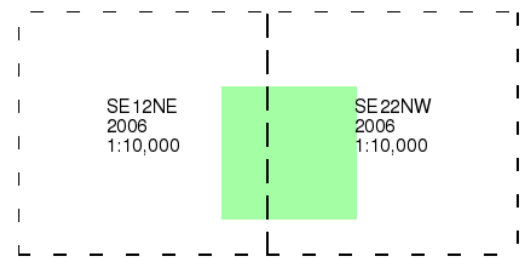
Tel: 0844 844 9952  
 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



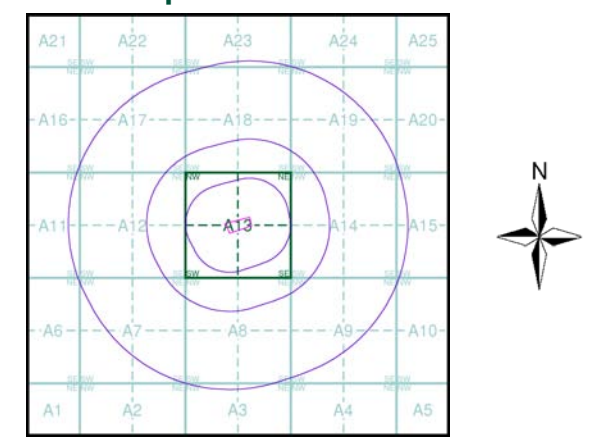
**10k Raster Mapping**  
**Published 2006**  
**Source map scale - 1:10,000**

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)**



**Historical Map - Slice A**

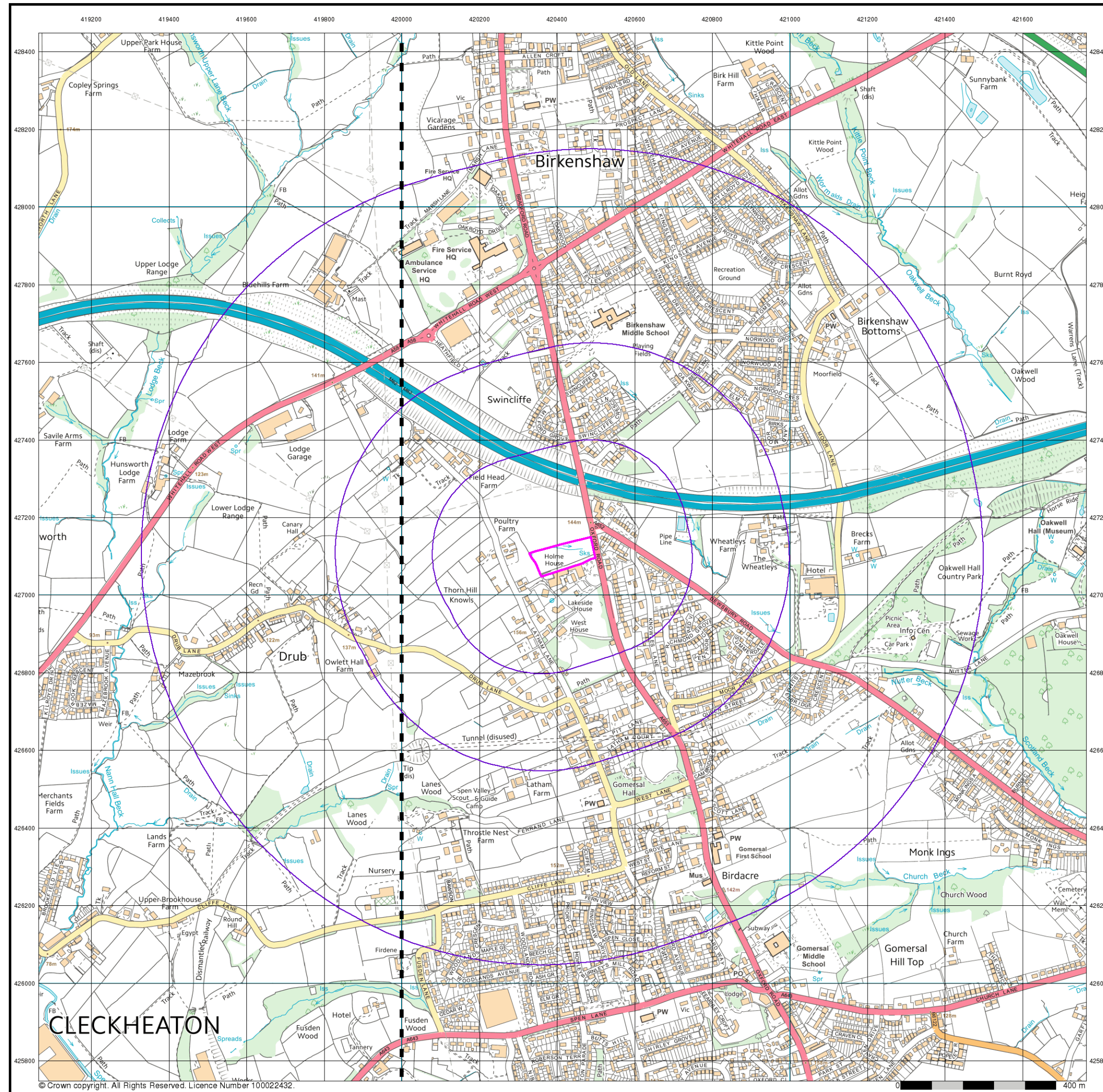


**Order Details**  
 Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**  
 Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA

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

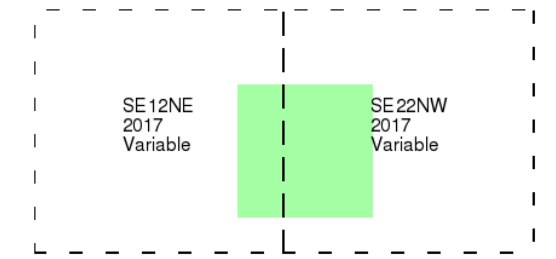




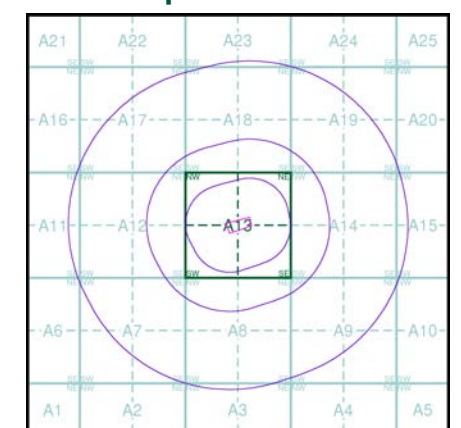
**VectorMap Local**  
**Published 2017**  
**Source map scale - 1:10,000**

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)**



**Historical Map - Slice A**



**Order Details**

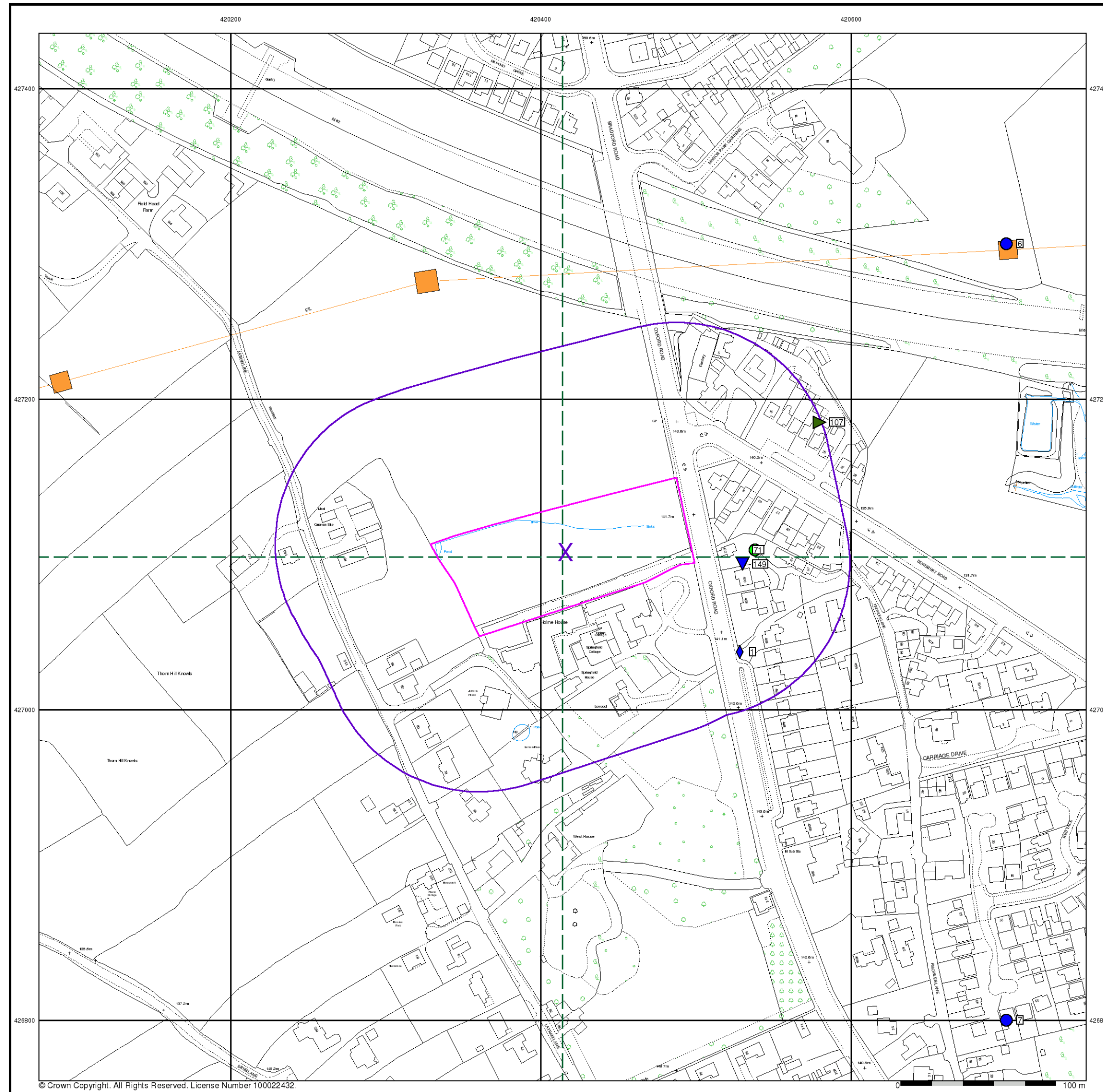
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA

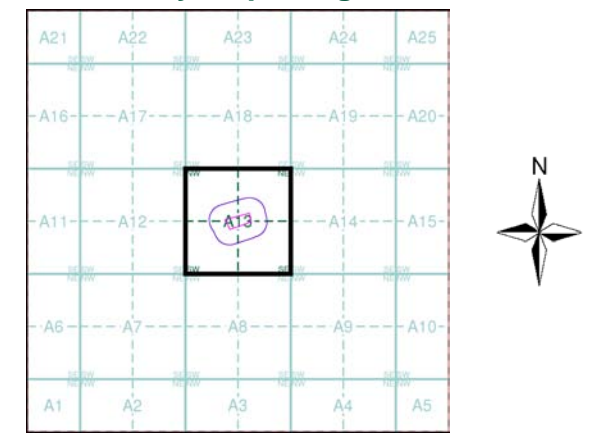


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 Fax: 0844 844 9951  
 Web: www.envirocheck.co.uk



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
  - 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 Enforcement
  - Local Authority Pollution Prevention and Control Enforcement
  - Pollution Incident to Controlled Waters
  - Prosecution Relating to Authorised Processes
  - Prosecution Relating to Controlled Waters
  - Registered Radioactive Substance
  - River Network or Water Feature
  - River Quality Sampling Point
  - Substantiated Pollution Incident Register
  - Water Abstraction
  - Water Industry Act Referral
- Waste**
- BGS Recorded Landfill Site (Location)
  - BGS Recorded Landfill Site
  - EA Historic Landfill (Buffered Point)
  - EA Historic Landfill (Polygon)
  - Integrated Pollution Control Registered Waste Site
  - Licensed Waste Management Facility (Landfill Boundary)
  - Licensed Waste Management Facility (Location)
  - Local Authority Recorded Landfill Site (Location)
  - Local Authority Recorded Landfill Site
  - 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
- Hazardous Substances**
- COMAH Site
  - Explosive Site
  - NIHHS Site
  - Planning Hazardous Substance Consent
  - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

**Site Sensitivity Map - Segment A13**



**Order Details**

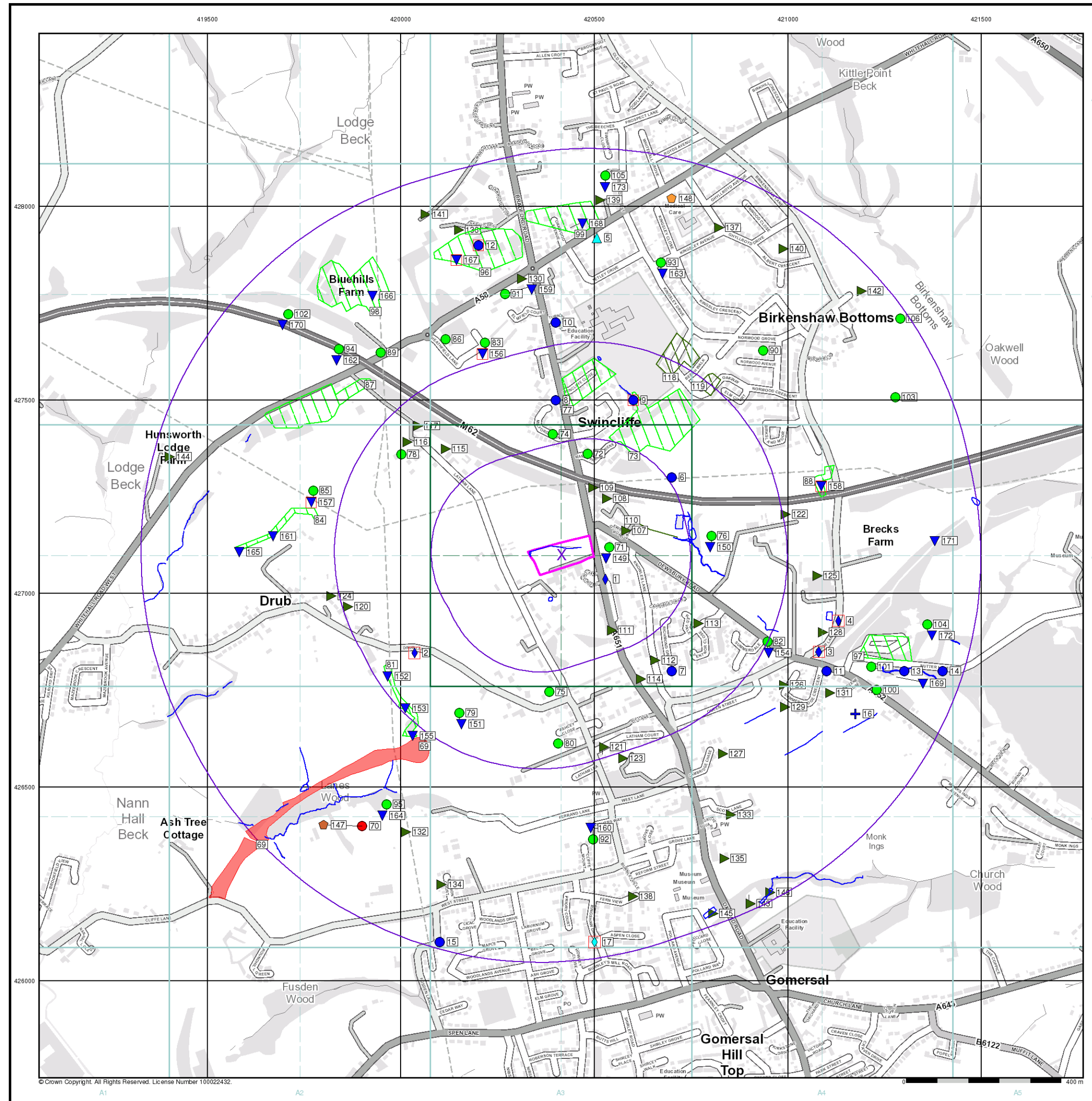
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Plot Buffer (m): 100

**Site Details**

Land North of: Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA

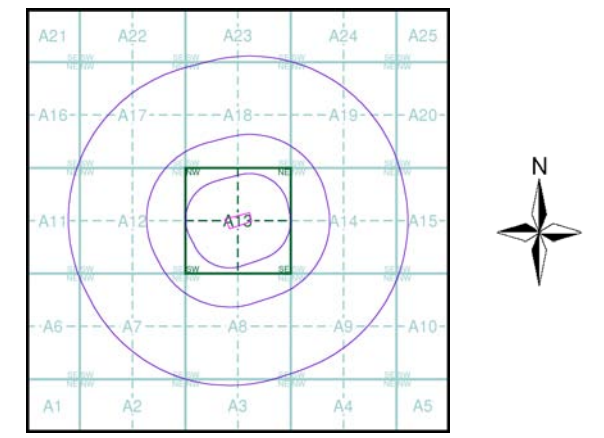
**Landmark**  
 INFORMATION GROUP

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



- General**
- Specified Site
  - Specified Buffer(s)
  - Bearing Reference Point
  - Map ID
  - Several of Type at Location
- Agency and Hydrological**
- Contaminated Land Register Entry or Notice (Location)
  - Contaminated Land Register Entry or Notice
  - Discharge Consent
  - Enforcement or Prohibition Notice
  - Integrated Pollution Control
  - Integrated Pollution Prevention 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
  - 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 - Slice A**



**Order Details**

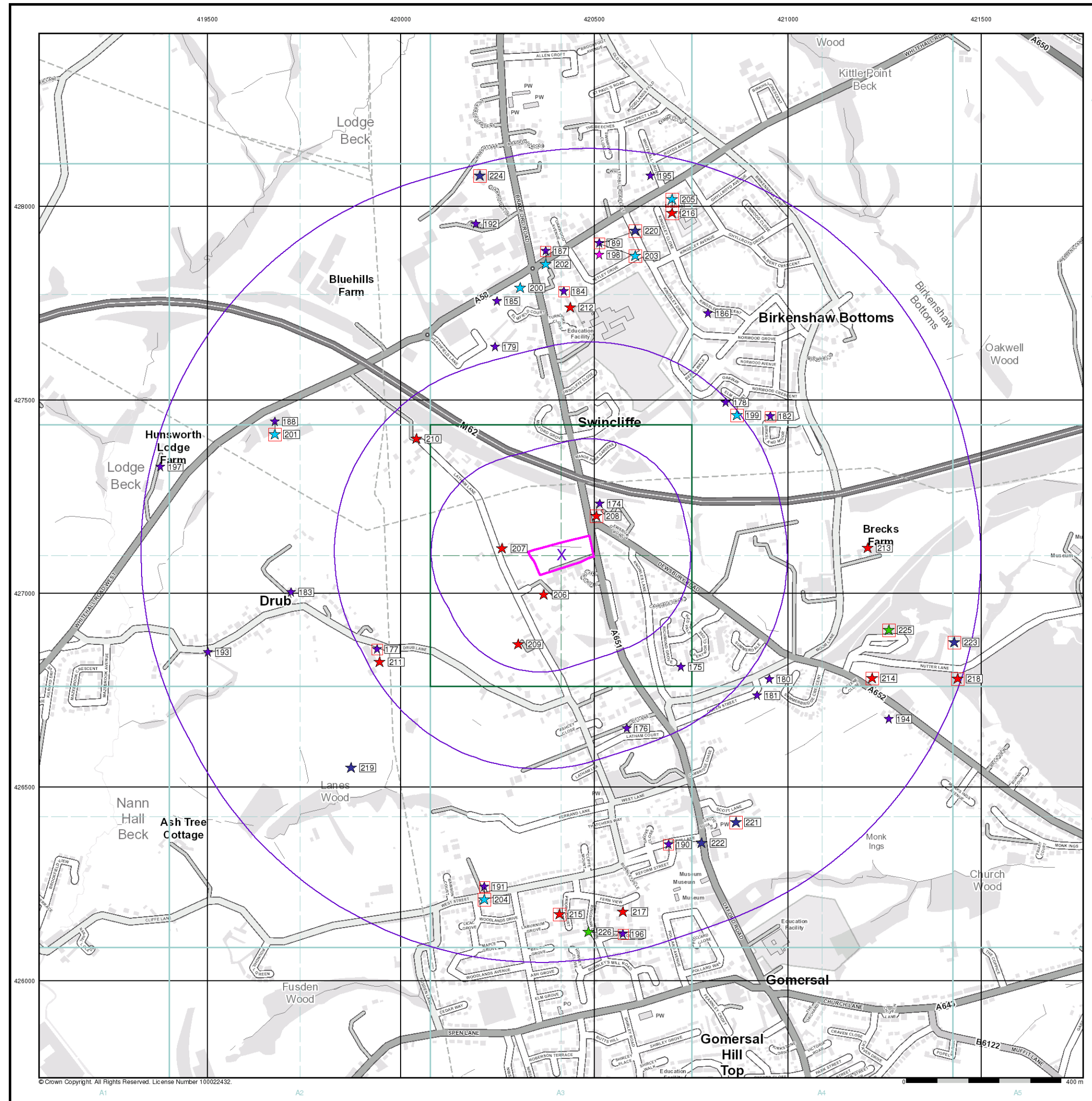
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of: Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA

**Landmark**  
 INFORMATION GROUP

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



### Industrial Land Use Map

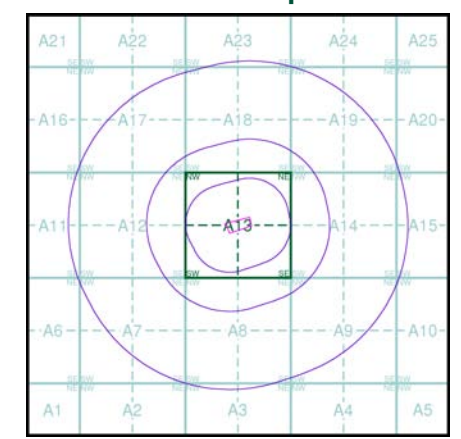
#### General

- 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



#### Order Details

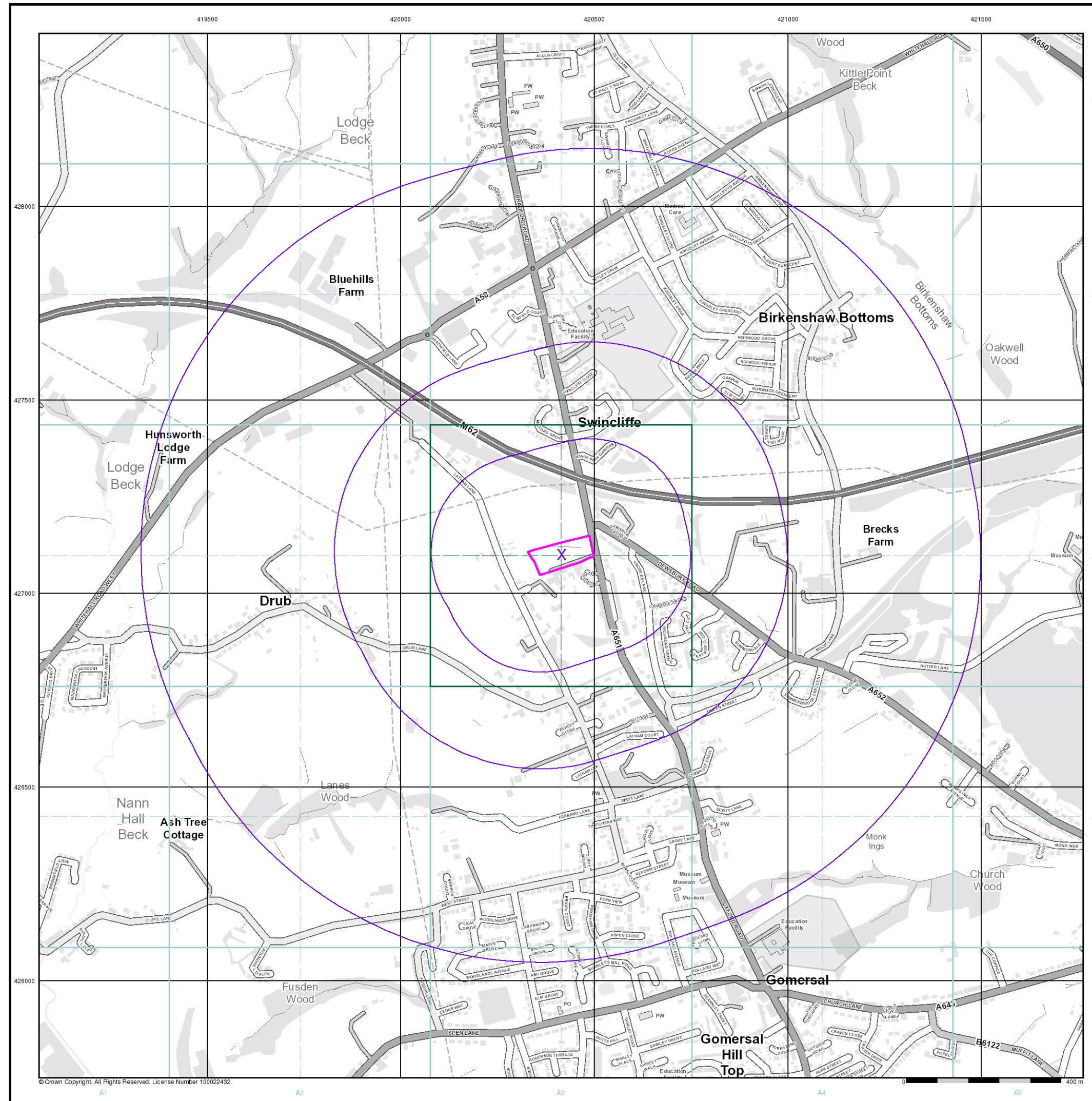
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

#### Site Details

Land North of: Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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 Web: www.envirocheck.co.uk



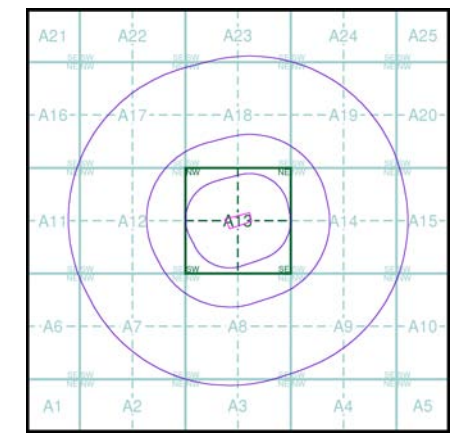
**General**

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

**Agency and Hydrological (Flood)**

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

**Flood Map - Slice A**



**Order Details**

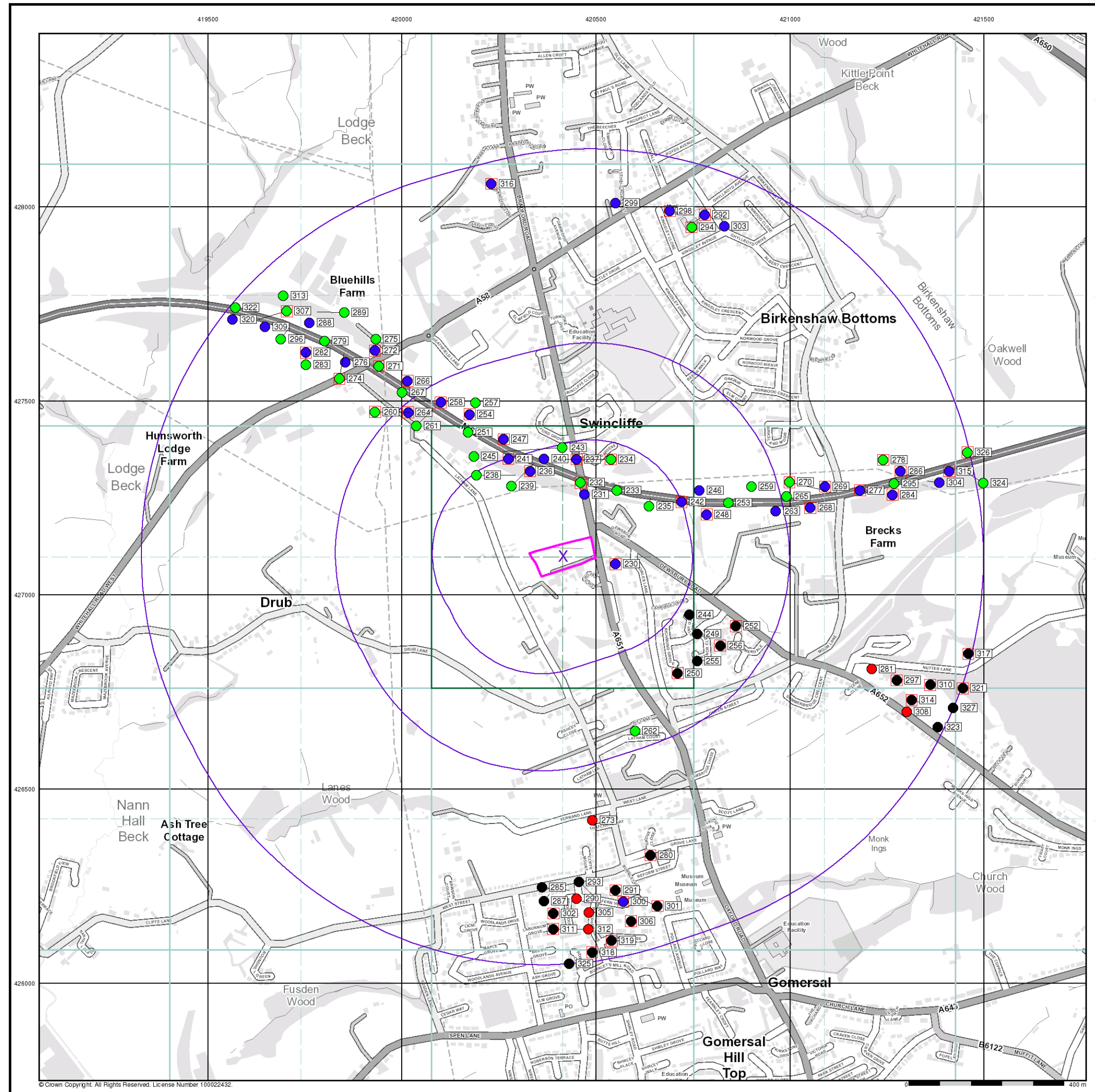
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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



**General**

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

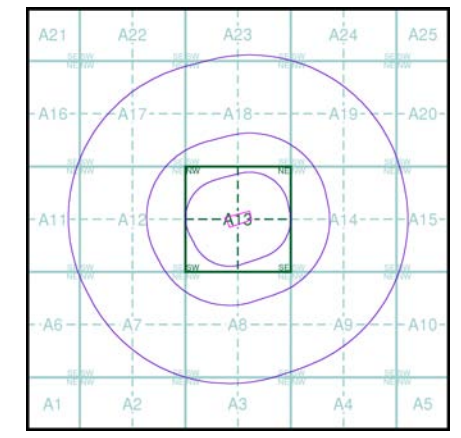
**Agency and Hydrological (Boreholes)**

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

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of [www.envirocheck.co.uk](http://www.envirocheck.co.uk).

**Borehole Map - Slice A**



**Order Details**

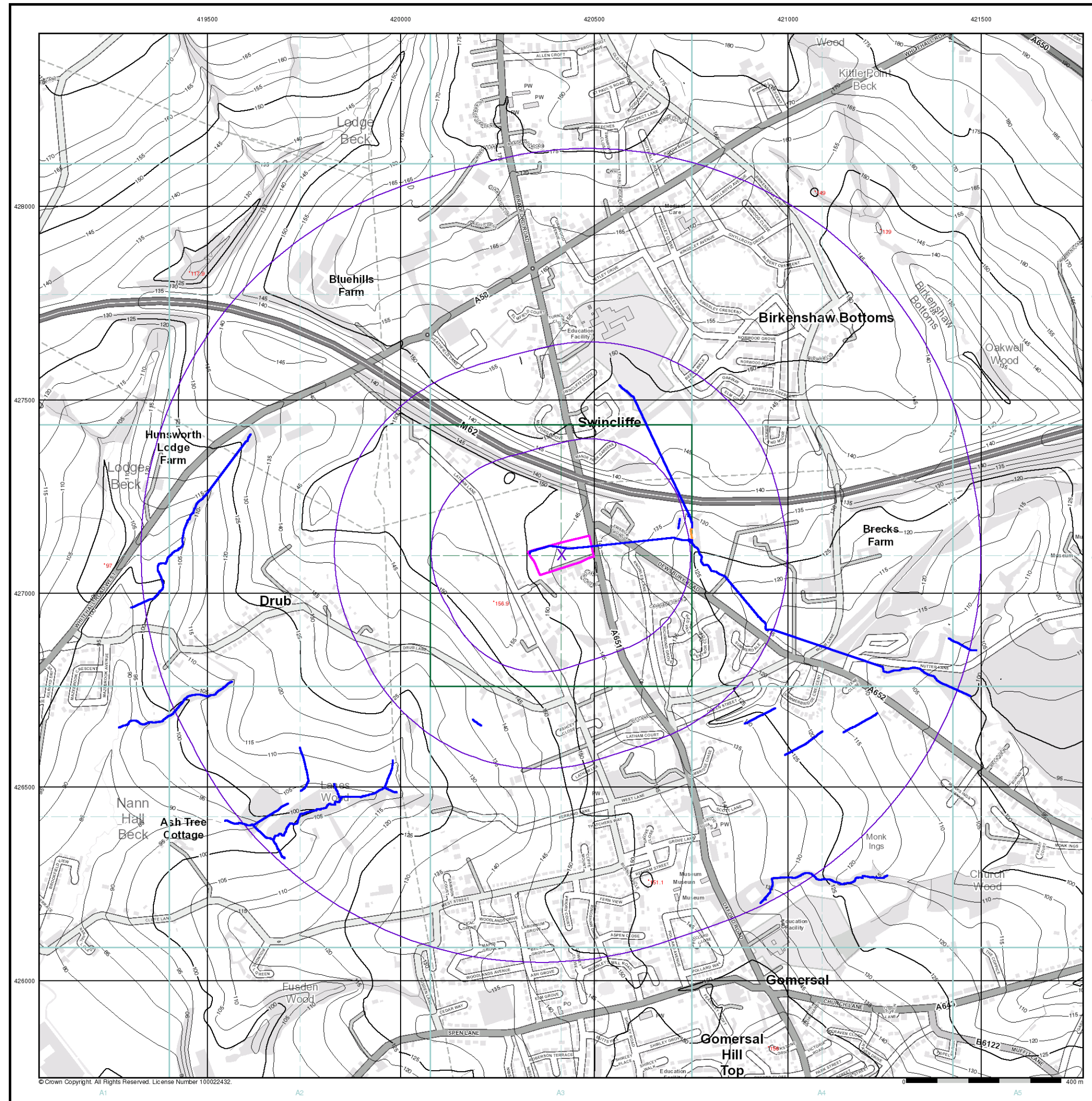
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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

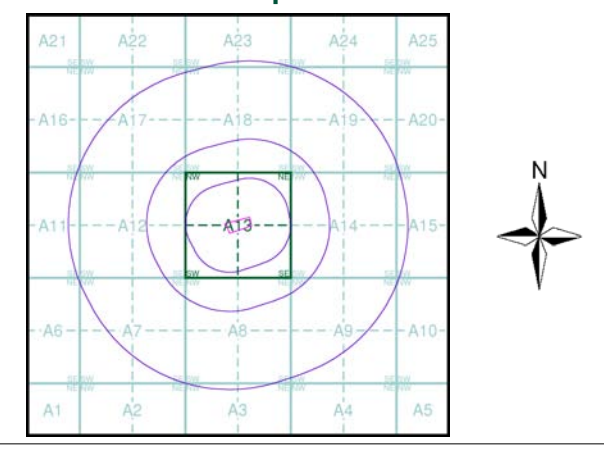


- General**
- Specified Site
  - Specified Buffer(s)
  - X Bearing Reference Point

- OS Water Network Data**
- |              |                         |
|--------------|-------------------------|
| Canal        | Drain                   |
| Reservoir    | Other                   |
| Foreshore    | Lake                    |
| Marsh        | Transfer                |
| Tidal River  | Lock Or Flight Of Locks |
| Inland River | Sea                     |

- Contours (height in meters)**
- Standard Contour 105
- Master Contour 100
- Spot Height 167.3
- Mean Low Water
- Mean High Water

**OS Water Network Map - Slice A**

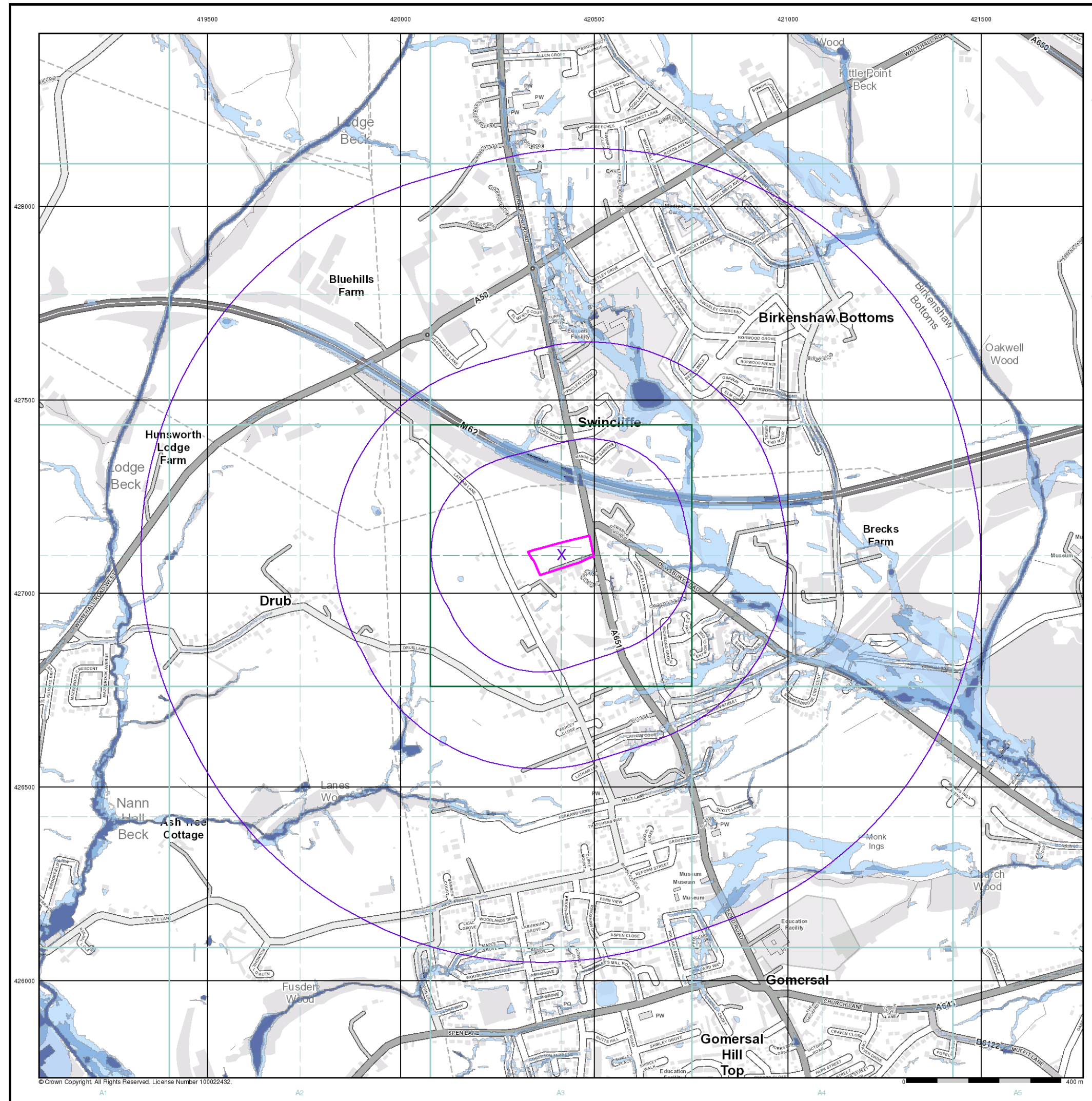


**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



**General**

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

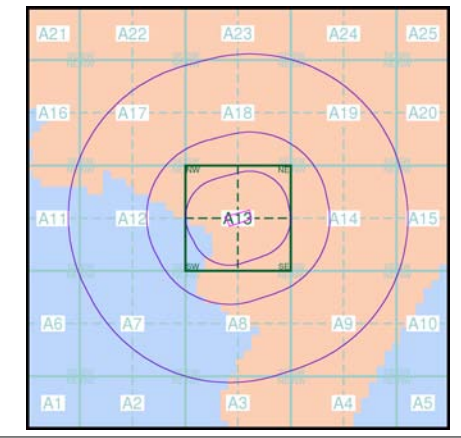
**Risk of Flooding from Surface Water**

- 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

**EANRW Suitability Map - Slice A**



**Order Details**

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

Land North of:, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA

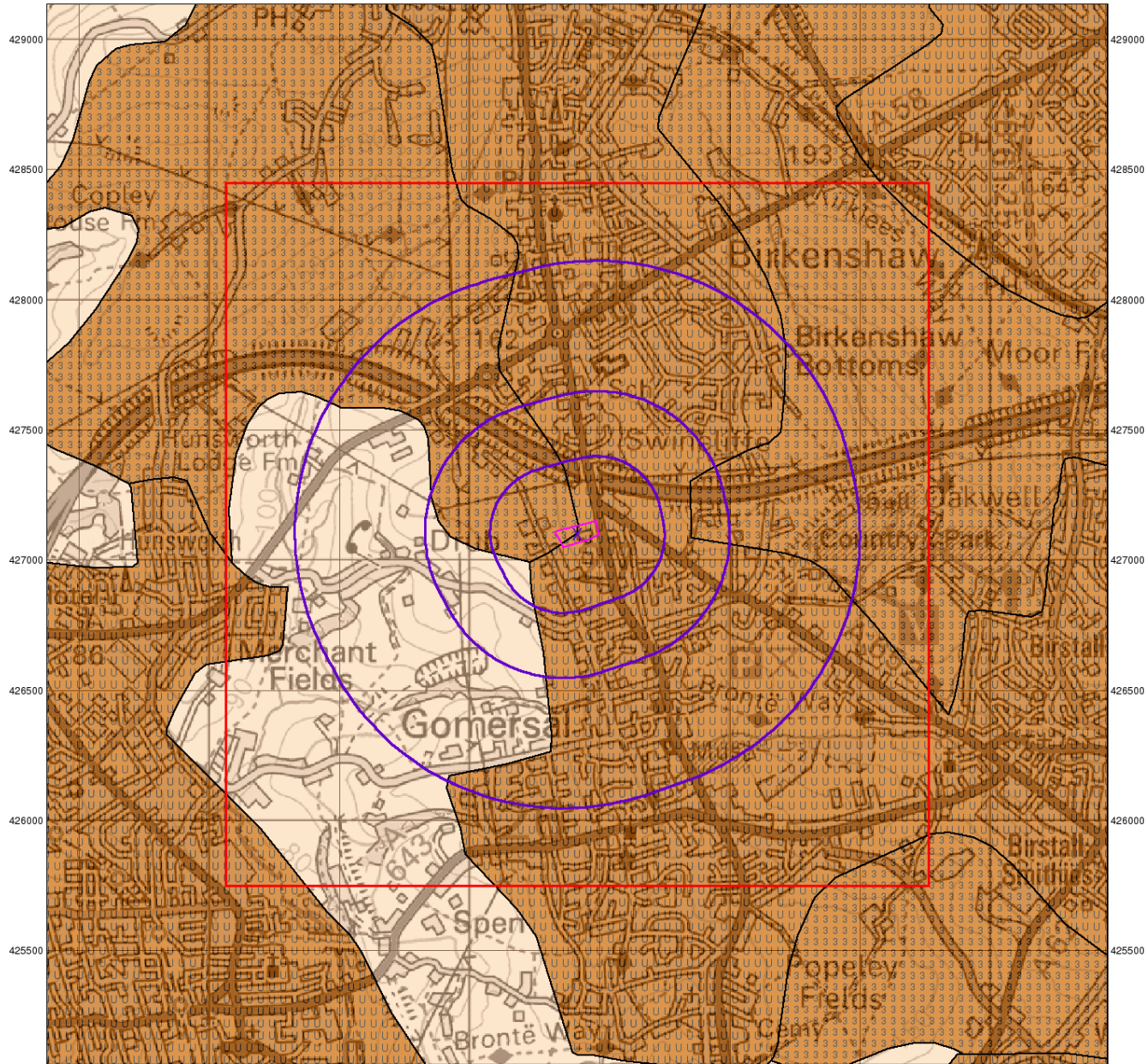


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0 1 km



## Groundwater Vulnerability

### General

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

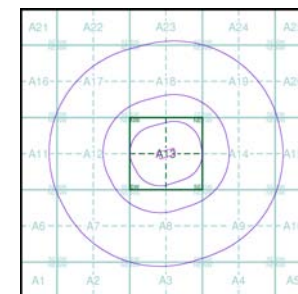
### Agency and Hydrological

#### Geological Classes

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

#### Soil Classes

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

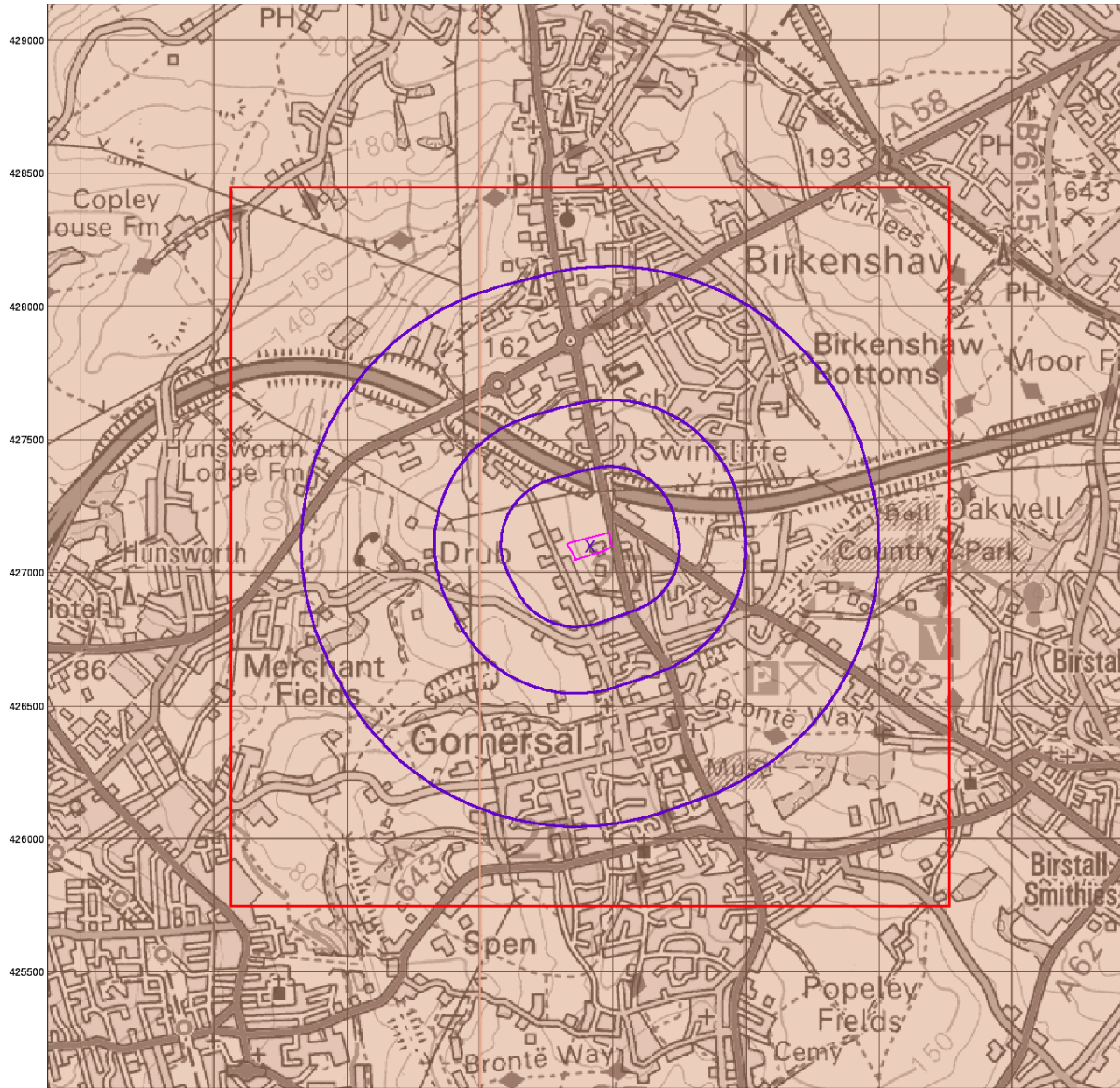
### Site Details

Land North of, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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0 1 km



## Bedrock Aquifer Designation

### General

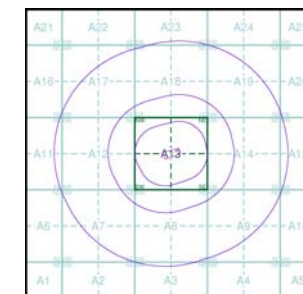
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

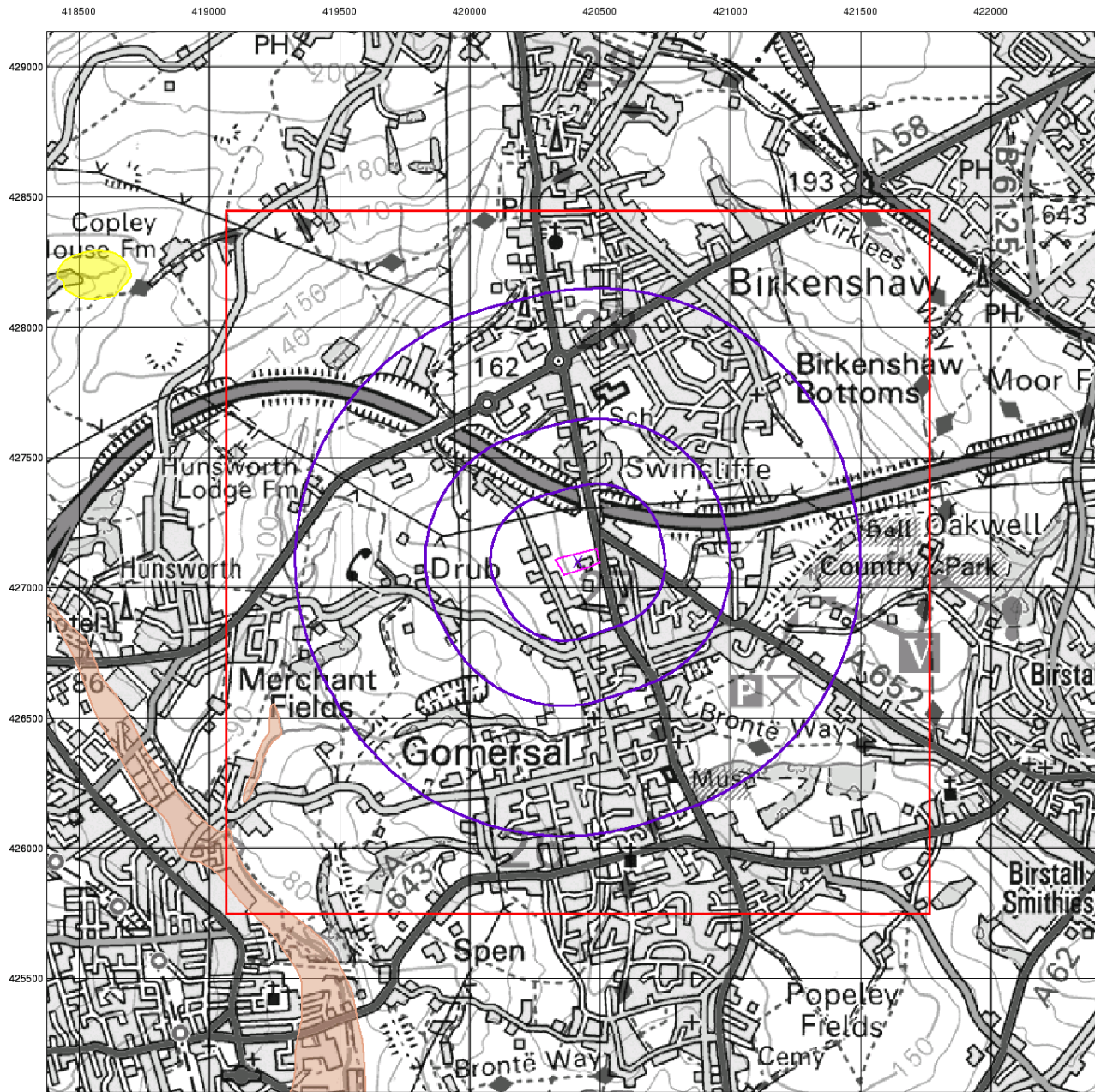
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
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### Site Details

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## Superficial Aquifer Designation

### General

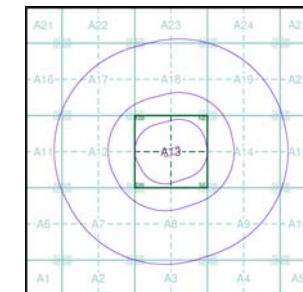
- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- Map ID

### Agency and Hydrological

#### Geological Classes

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

### Site Sensitivity Context Map - Slice A



### Order Details

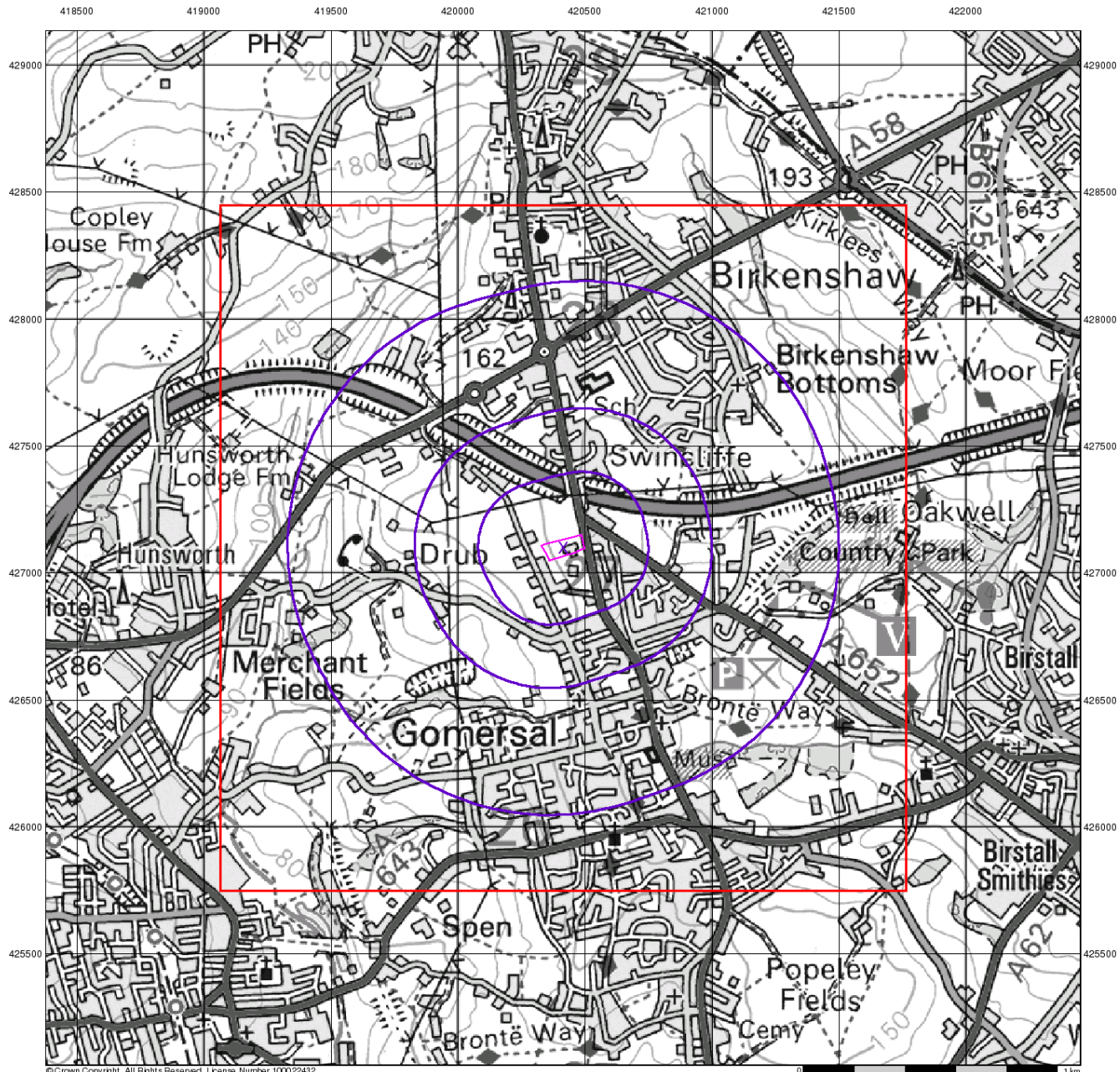
Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

### Site Details

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## Source Protection Zones

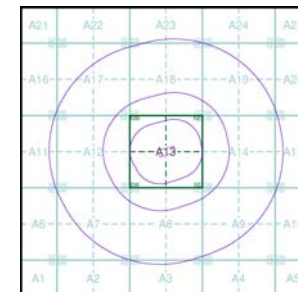
### General

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

### Agency and Hydrological

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
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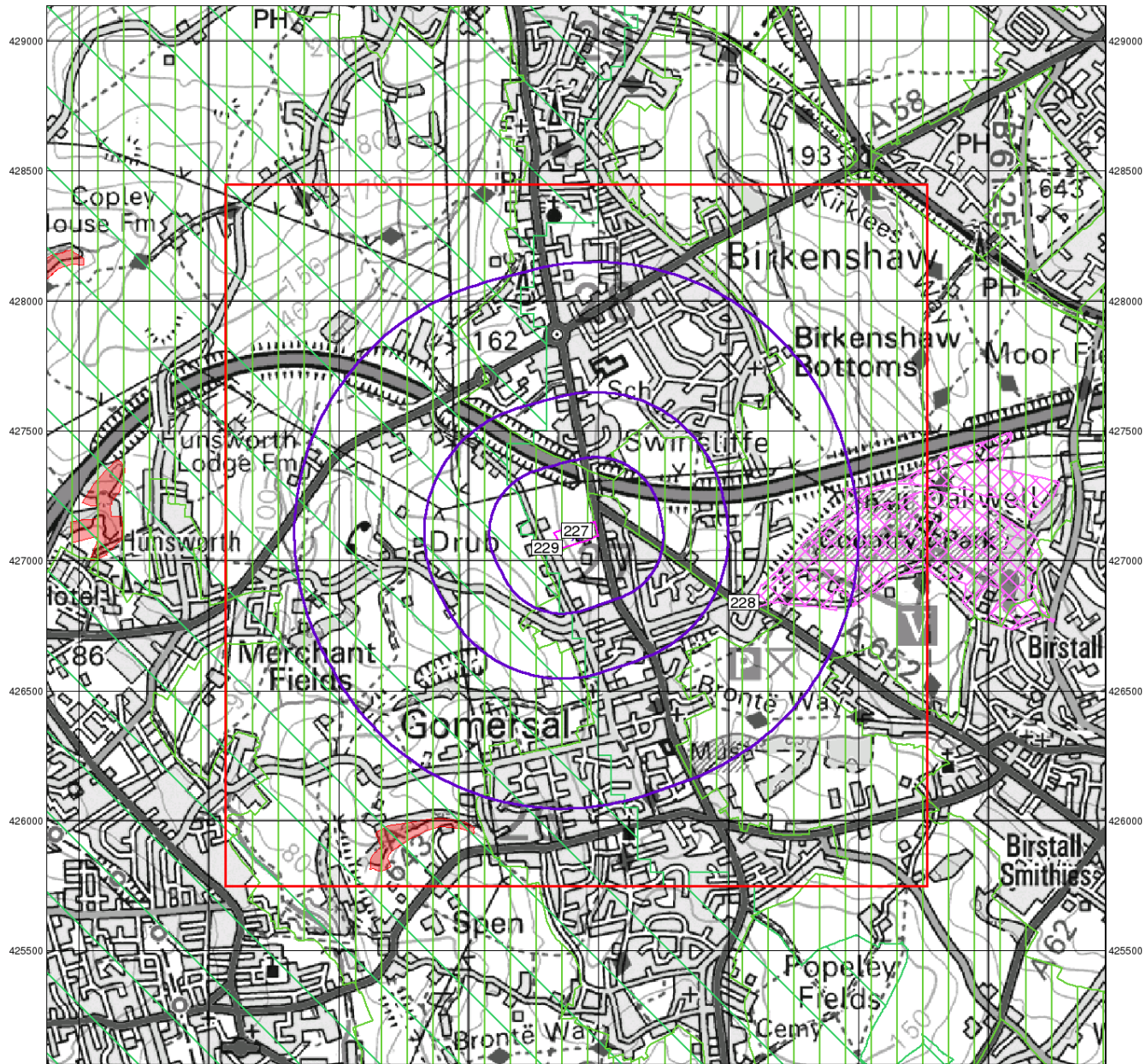
### Site Details

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## Sensitive Land Uses

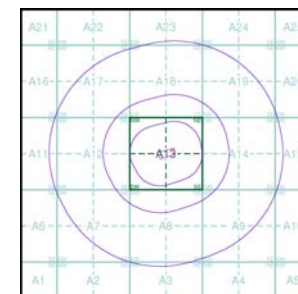
### General

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

### Sensitive Land Uses

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

### Site Sensitivity Context Map - Slice A



### Order Details

Order Number: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

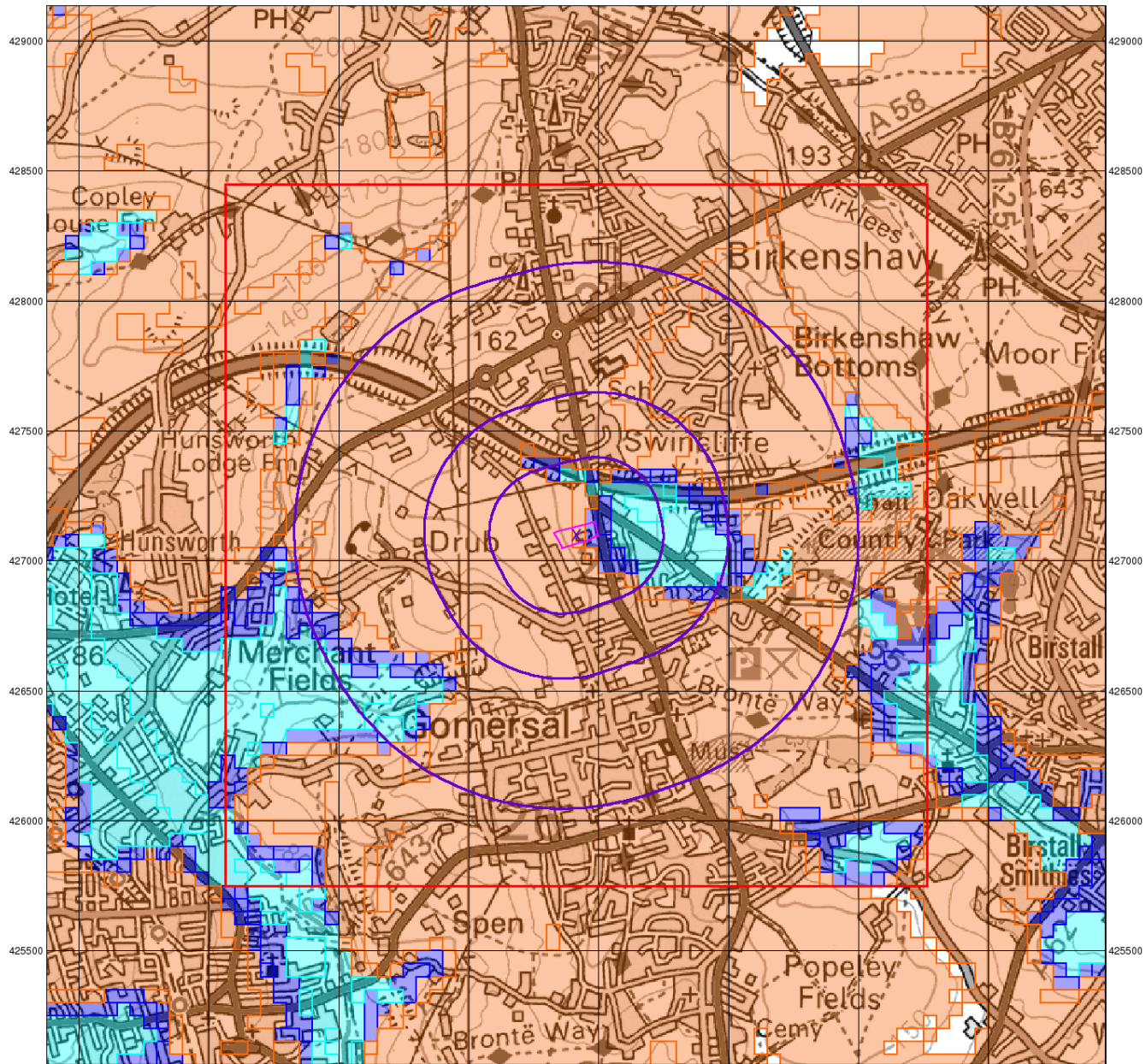
### Site Details

Land North of, Holme House Residential Home, Oxford Road, Gomersal, Cleckheaton, BD19 4LA



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0 1 km



### BGS Flood GFS Data

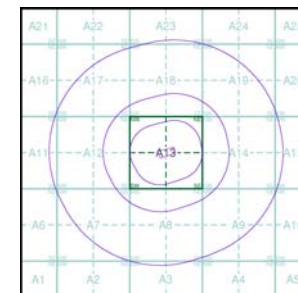
#### General

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

#### Agency and Hydrological (Flood)

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

#### Site Sensitivity Context Map - Slice A



#### Order Details

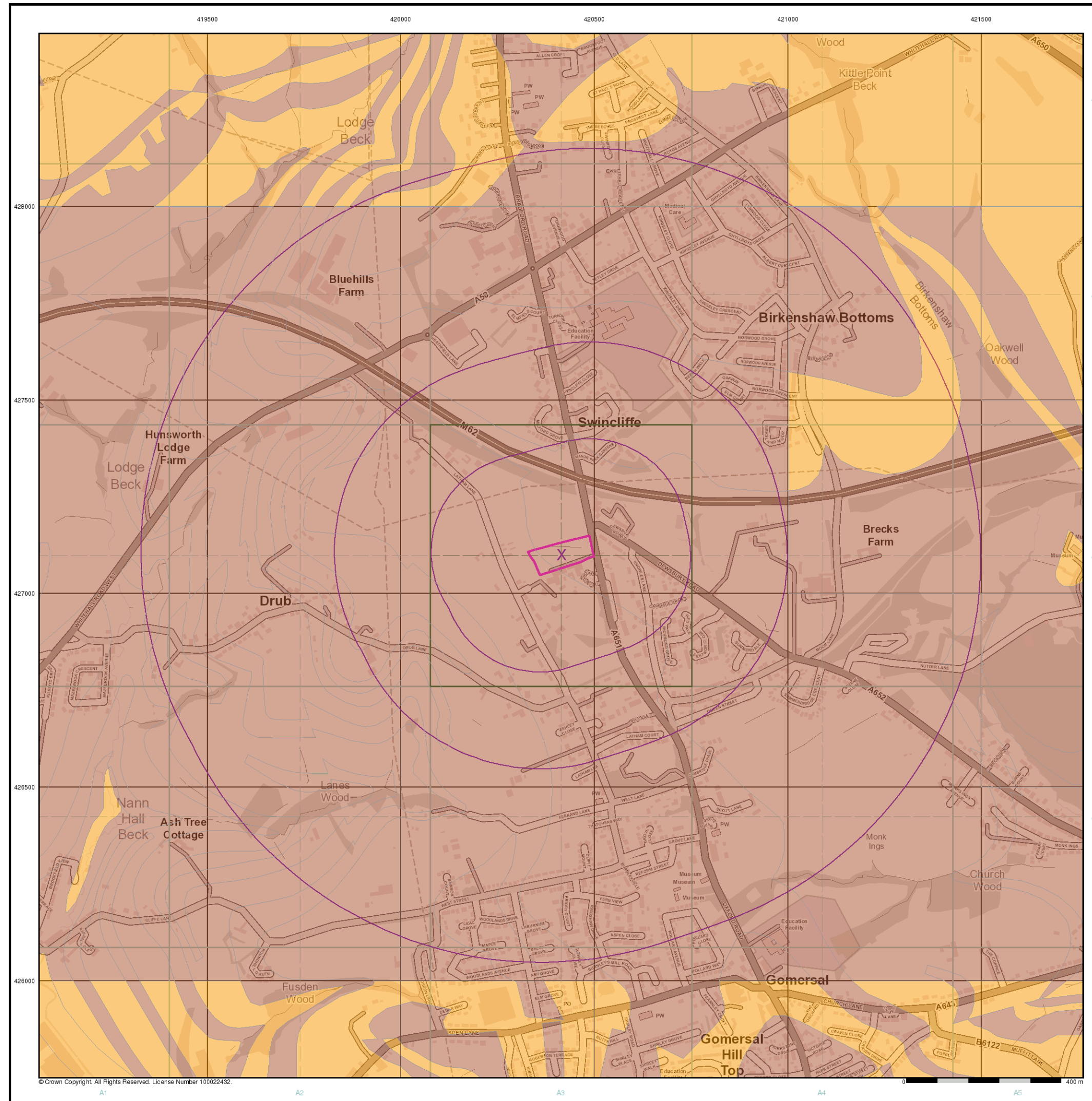
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
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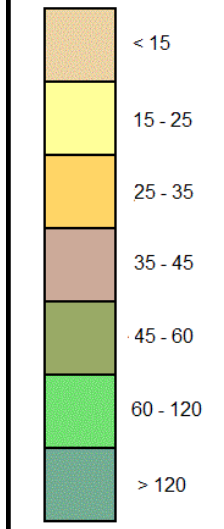


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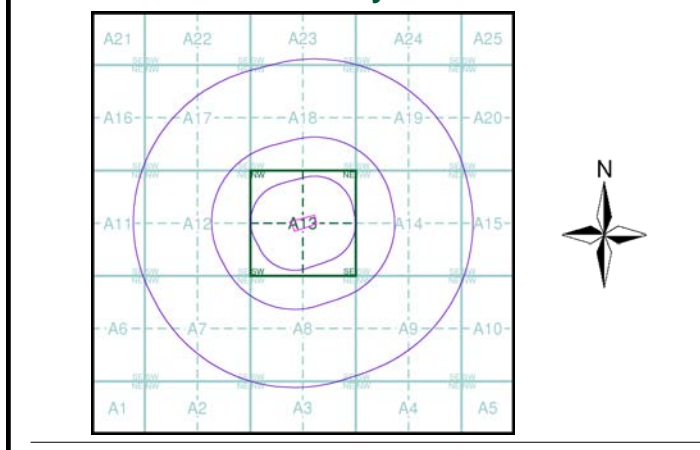
X Specified Site     
   Specified Buffer(s)     
 X Bearing Reference Point

**Estimated Soil Chemistry Arsenic**

Arsenic Concentrations mg/kg



**Estimated Soil Chemistry Arsenic - Slice A**



**Order Details**

Order Details: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
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**Site Details**

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**Landmark**  
INFORMATION GROUP

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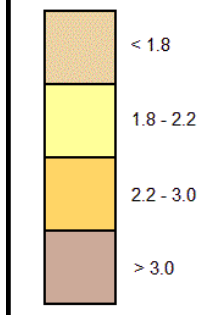


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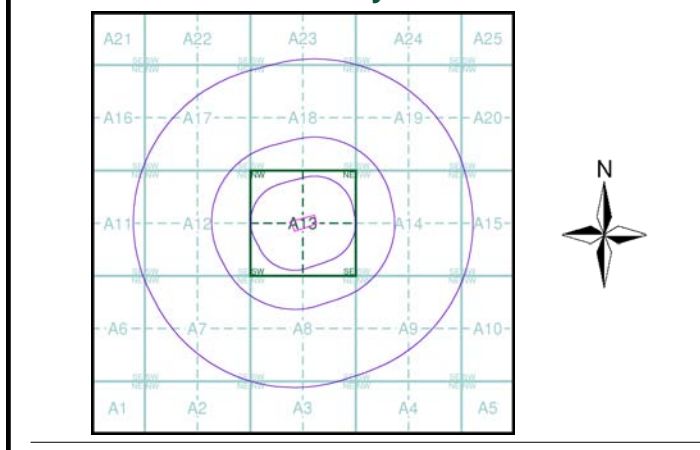
- X Specified Site
- Specified Buffer(s)
- X Bearing Reference Point

**Estimated Soil Chemistry Cadmium**

Cadmium Concentrations mg/kg



**Estimated Soil Chemistry Cadmium - Slice A**



**Order Details**

Order Details: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

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



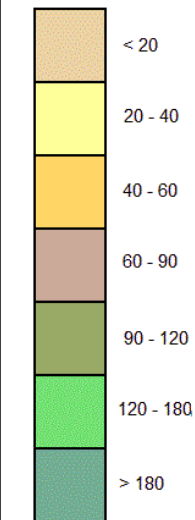


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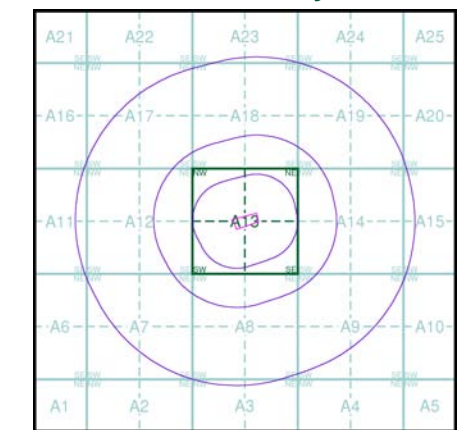
- ✖ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

**Estimated Soil Chemistry Chromium**

Chromium Concentrations mg/kg



**Estimated Soil Chemistry Chromium - Slice A**



**Order Details**

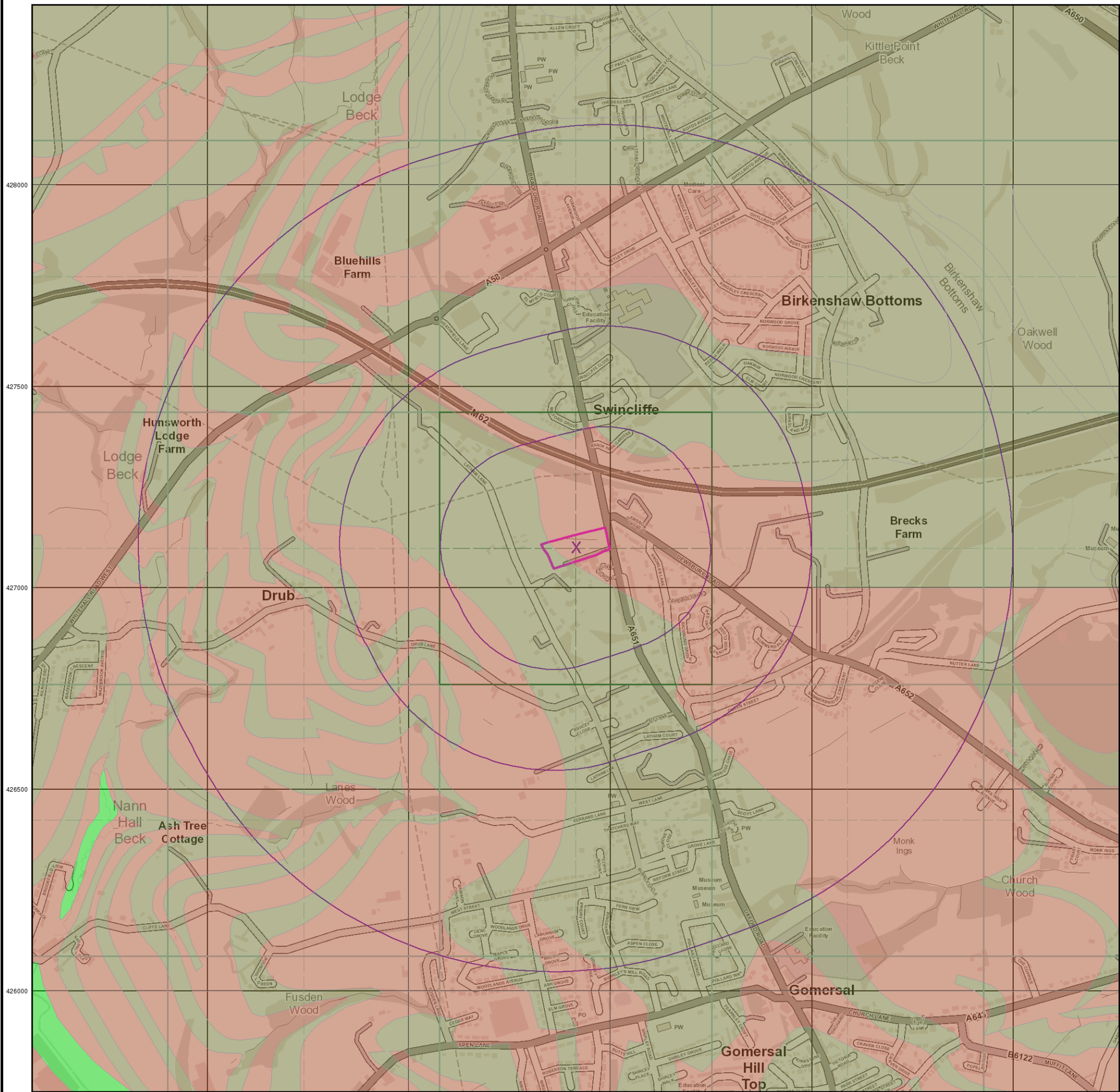
Order Details: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

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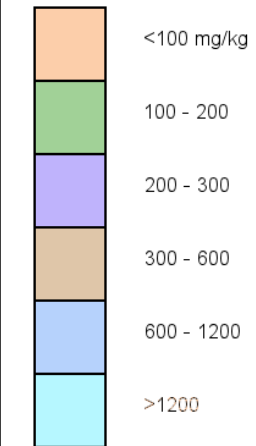


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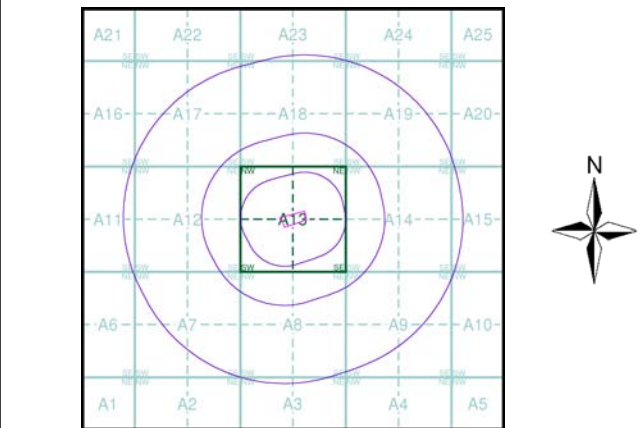
- ✖ Specified Site
- Specified Buffer(s)
- ✖ Bearing Reference Point

**Estimated Soil Chemistry Lead**

Lead Concentrations mg/kg



**Estimated Soil Chemistry Lead - Slice A**



**Order Details**

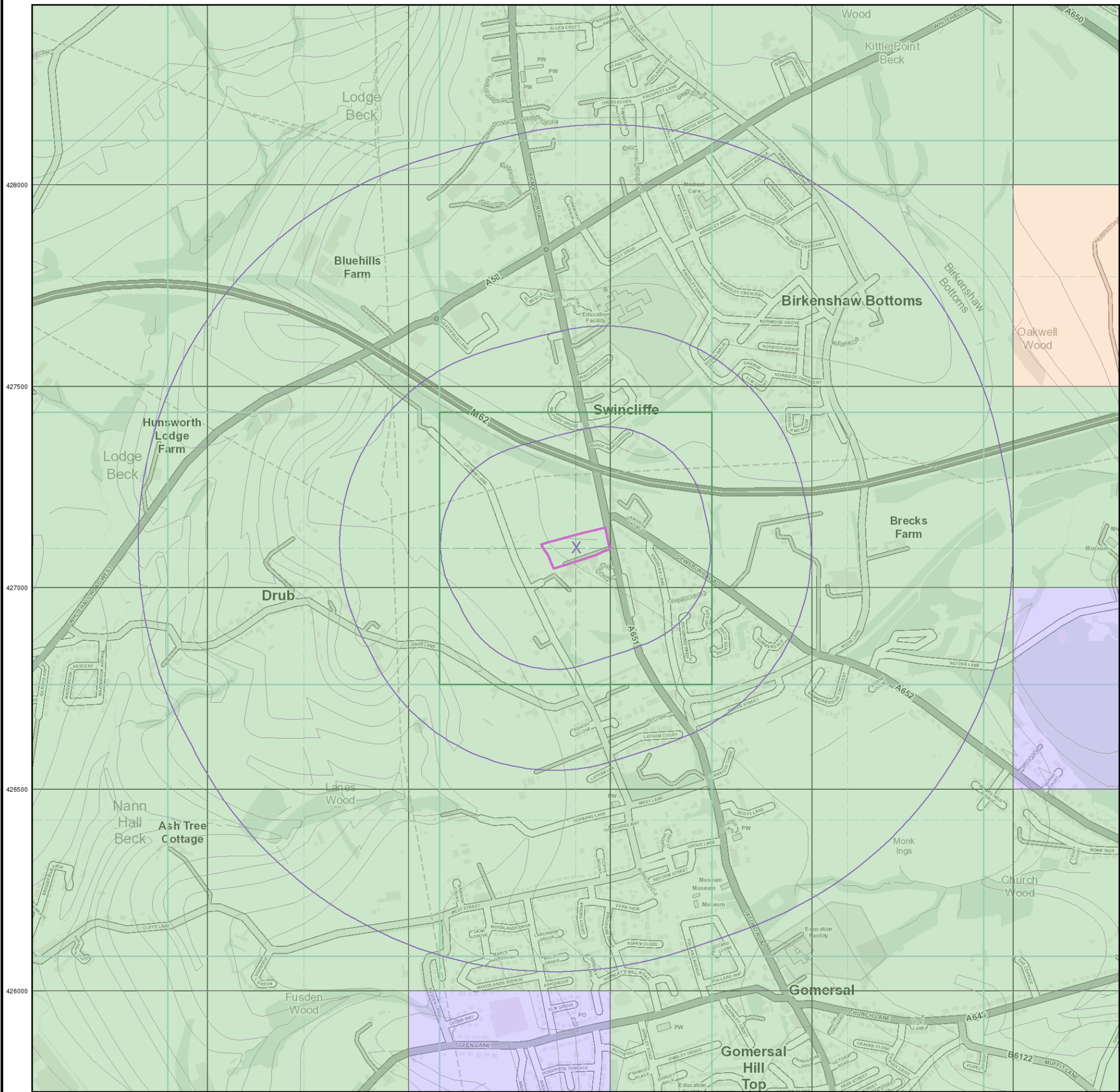
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 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

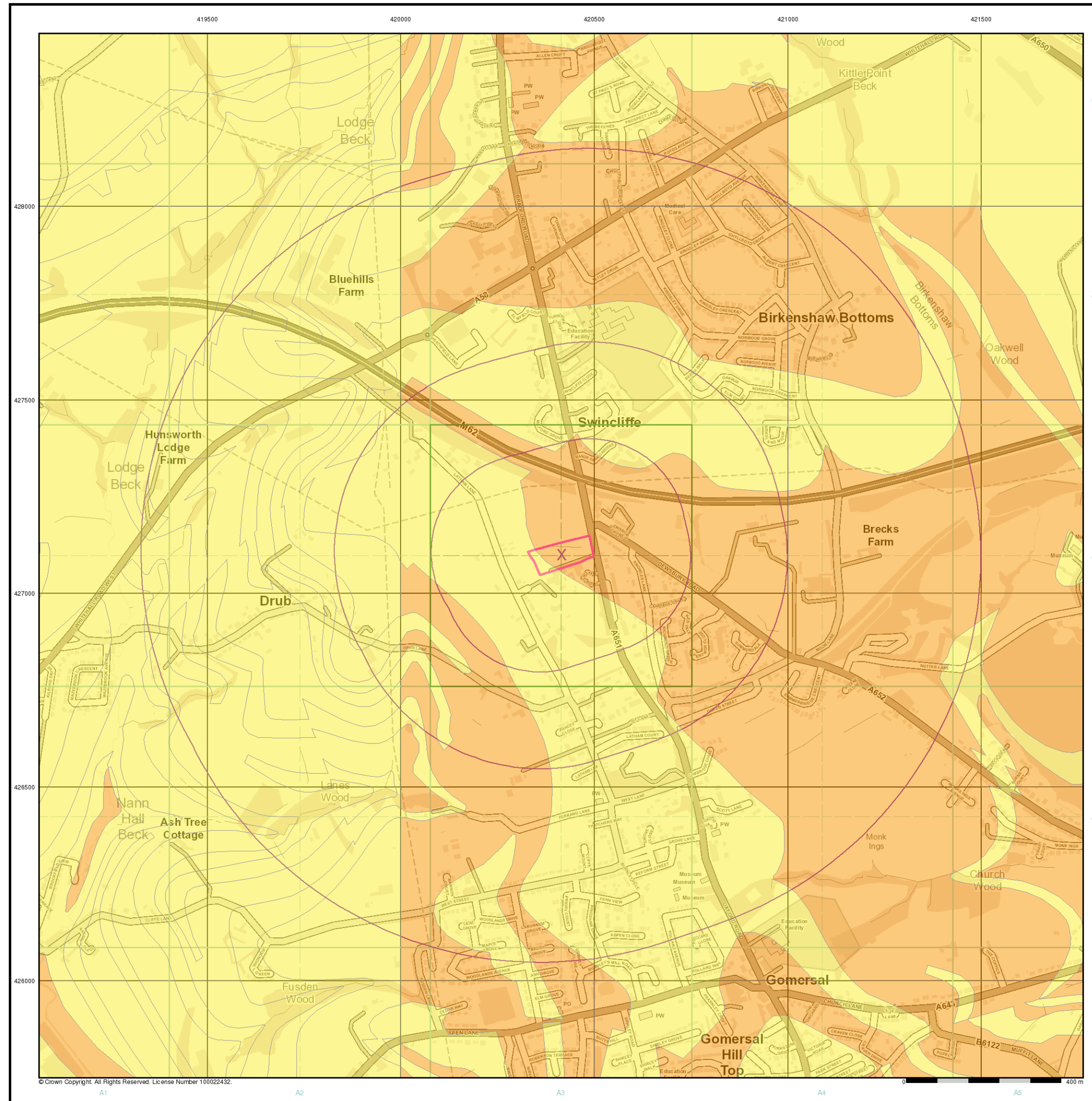
**Site Details**

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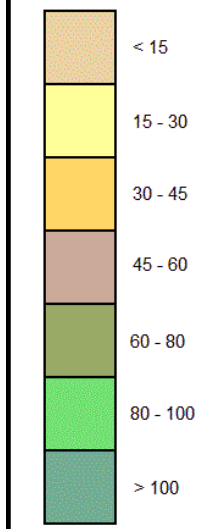


**General**

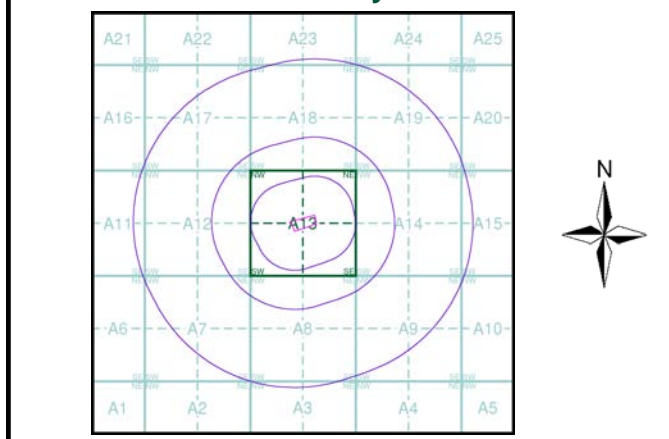
- ✕ Specified Site
- Specified Buffer(s)
- ✕ Bearing Reference Point

**Estimated Soil Chemistry Nickel**

Nickel Concentrations mg/kg



**Estimated Soil Chemistry Nickel - Slice A**



**Order Details**

Order Details: 130729316\_1\_1  
 Customer Ref: 17-174  
 National Grid Reference: 420420, 427100  
 Slice: A  
 Site Area (Ha): 0.97  
 Search Buffer (m): 1000

**Site Details**

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



# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

130729316\_1\_1

**Customer Reference:**

17-174

**National Grid Reference:**

420420, 427100

**Slice:**

A

**Site Area (Ha):**

0.97

**Search Buffer (m):**

1000

### Site Details:

Land North of:

Holme House Residentail Home, Oxford Road

Gomersal

Cleckheaton

BD19 4LA

### Client Details:

Mr K Moir

Arc Environmental Ltd

Unit 1

Elliot Court

St John's Road

Meadowfield

Durham

DH7 8PN

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	15
Hazardous Substances	-
Geological	21
Industrial Land Use	32
Sensitive Land Use	40
Data Currency	41
Data Suppliers	46
Useful Contacts	47

## Introduction

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

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

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## Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		1	3	4
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4	Yes			
Pollution Incidents to Controlled Waters	pg 4			5	7
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 6				1
River Quality Biology Sampling Points	pg 7				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7				2 (*3)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 8	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 8	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 8	3	5	12	31

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 15				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 15				1
Local Authority Landfill Coverage	pg 15	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 15		3	8	25
Potentially Infilled Land (Water)	pg 17		5	10	25
Registered Landfill Sites					
Registered Waste Transfer Sites	pg 19				1
Registered Waste Treatment or Disposal Sites	pg 20				1
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 21	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 25		1	4	24
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas	pg 30	Yes	n/a	n/a	n/a
Mining Instability	pg 30	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 30	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 30		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 30	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 31		Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 32		1	5	27
Fuel Station Entries	pg 35				1
Points of Interest - Commercial Services	pg 35			1	13
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 36		6	2	16
Points of Interest - Public Infrastructure	pg 38				12
Points of Interest - Recreational and Environmental	pg 39				4
Gas Pipelines					
Underground Electrical Cables					



Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Sensitive Land Use</b>					
Ancient Woodland					
Areas of Adopted Green Belt	pg 40	1			
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 40				1
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 40		1		
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
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (W)	0	1	420400 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NW)	0	1	420416 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	0	1	420450 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	3	1	420500 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	26	1	420450 427050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (E)	52	1	420550 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	68	1	420550 427050
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	124	1	420600 427200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	139	1	420600 427000
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	151	1	420450 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	151	1	420500 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (N)	155	1	420416 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	164	1	420550 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	177	1	420600 426950
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	180	1	420350 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (N)	216	1	420400 427350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	247	1	420650 426900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (NW)	256	1	420250 427350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	259	1	420650 427350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	261	1	420700 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	282	1	420750 427250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	303	1	420750 427300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NW (NW)	304	1	420250 427400
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	318	1	420750 426900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12NE (W)	329	1	420000 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	329	1	420800 427250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	348	1	420800 427300
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	366	1	420850 427200
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	372	1	420800 427350
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	377	1	420850 427250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (E)	425	1	420900 427250
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14SW (SE)	428	1	420850 426850
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7NE (SW)	430	1	420050 426750
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	446	1	420900 426900
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	452	1	420950 427101
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	455	1	420950 427150
	<b>BGS Groundwater Flooding Susceptibility</b> Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	474	1	420950 426950
1	<b>Discharge Consents</b> Operator: Yorkshire Water Services Ltd Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Oxford Road Cso Oxford Road, Birkenshaw, Bradford, West Yorkshire Authority: Environment Agency, North East Region Catchment Area: Calder Reference: Ywuccd2/8 Permit Version: 1 Effective Date: 12th November 1997 Issued Date: 12th November 1997 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of Nutter Beck <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b> Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	65	2	420528 427037

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Hunsworth - Drub Lane, Cleckheaton, Kirklees, West Yorkshire  Authority: Environment Agency, North East Region  Catchment Area: Wharfe  Reference: Wra8669  Permit Version: 2  Effective Date: 3rd March 2010  Issued Date: 3rd March 2010  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Of Nann Hall Beck  <b>Status:</b> <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	372	2	420038 426862
2	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Hunsworth - Drub Lane, Cleckheaton, Kirklees, West Yorkshire  Authority: Environment Agency, North East Region  Catchment Area: Wharfe  Reference: Wra8669  Permit Version: 1  Effective Date: 1st April 2005  Issued Date: 11th March 2005  Revocation Date: 2nd March 2010  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Tributary Of Nann Hall Beck  <b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	372	2	420038 426862
2	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Hunsworth - Drub Lane, Cleckheaton, Kirklees, West Yorkshire  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Ywucd2/22  Permit Version: 1  Effective Date: 12th November 1997  Issued Date: 12th November 1997  Revocation Date: 2nd April 2005  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of River Spen  <b>Status:</b> <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12SE (SW)	382	2	420035 426847
3	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Moor Lane Sso Swincliffe, Birkenshaw, Bradford, West Yorkshire  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wadc1150  Permit Version: 1  Effective Date: 18th September 1989  Issued Date: 18th September 1989  Revocation Date: 25th April 2005  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SW (E)	631	2	421080 426850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: Not Given  Location: Moor Lane, BIRKENSRAW, West Yorkshire  Authority: Environment Agency, North East Region  Catchment Area: Aire  Reference: WADC1148  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: Not Supplied  Revocation Date: Not Supplied  Discharge Type: Storm sewage overflow discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	646	2	421100 426860
4	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: Not Given  Location: Moor Lane, BIRKENSRAW, West Yorkshire  Authority: Environment Agency, North East Region  Catchment Area: Aire  Reference: WADC1149  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: Not Supplied  Revocation Date: Not Supplied  Discharge Type: Storm sewage overflow discharge  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Smithies Beck  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	653	2	421130 426930
4	<p><b>Discharge Consents</b></p> <p>Operator: Yorkshire Water Services Ltd  Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)  Location: Birkenshaw Cso, Moor Lane, Birkenshaw, Bradford  Authority: Environment Agency, North East Region  Catchment Area: Calder  Reference: Wra8486  Permit Version: 1  Effective Date: 31st March 2005  Issued Date: 31st March 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Nutter Beck  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	654	2	421120 426890
5	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Whitehall Filling Station  Location: Whitehall Road East, Birkenshaw, Bradford, West Yorkshire, BD11 2EJ  Authority: Kirklees Metropolitan Borough Council, Environmental Health Department  Permit Reference: PPC E 123  Dated: Not Supplied  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/14 Petrol filling station  <b>Status: Permitted</b>  Positional Accuracy: Manually positioned to the address or location</p>	A18NE (N)	766	3	420506 427915
	<p><b>Nearest Surface Water Feature</b></p>	A13NE (N)	0	-	420420 427118
6	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Other General Premises  Location: Swincliffe Crescent  Authority: Environment Agency, North East Region  Pollutant: Oils - Diesel (Including Agricultural)  Note: Not Supplied  Incident Date: 24th April 1989  Incident Reference: 8956  Catchment Area: Not Given  Receiving Water: Freshwater Stream/River  Cause of Incident: Not Given  Incident Severity: Category 1 - Major Incident  Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	261	2	420700 427300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<b>Pollution Incidents to Controlled Waters</b> Property Type: Fire Water Location: Spen Beck, CLECKHEATON Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: No Fish Killed Incident Date: 14th February 1997 Incident Reference: SL970173 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	357	2	420700 426800
8	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Mouth/Scotia Beck Batley Beck Afl Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 9th August 1990 Incident Reference: 113567 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	362	2	420400 427500
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: Bridge On A643, /Scotia Beck Batley Beck 09 Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 22nd May 1989 Incident Reference: 9171 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	364	2	420600 427495
9	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: New Mill Road Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 22nd May 1989 Incident Reference: 9140 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SE (NE)	369	2	420600 427500
10	<b>Pollution Incidents to Controlled Waters</b> Property Type: Other General Premises Location: Todmorden/Source Calder Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th August 1989 Incident Reference: 102606 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	558	2	420400 427700
11	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Storm Overflow Location: Moor Lane, BIRKENSHAW Authority: Environment Agency, North East Region Pollutant: Sewage - Storm Overflow Note: Watercourse :Batley Beck; From Lady Ann Beck To River Calder Incident Date: 8th April 1998 Incident Reference: SL980238 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (SE)	670	2	421100 426800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	<b>Pollution Incidents to Controlled Waters</b> Property Type: Abandoned mine Location: Tributary Of River Spen Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Other Note: No Fish Killed Incident Date: 18th April 1996 Incident Reference: SL960421 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	794	2	420200 427895
12	<b>Pollution Incidents to Controlled Waters</b> Property Type: Abandoned mine Location: Tributary Of River Spen Authority: Environment Agency, North East Region Pollutant: Miscellaneous - Other Note: Pollution Found; No Fish Killed Incident Date: 18th April 1996 Incident Reference: SL960421 Catchment Area: Calder Tributaries Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	798	2	420200 427900
13	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Foul Sewer Location: Scotia Beck/Source Batley Beck Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 8th December 1989 Incident Reference: 106029 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	854	2	421300 426800
14	<b>Pollution Incidents to Controlled Waters</b> Property Type: Water Company Sewage: Sewage Treatment Works Location: Scotia Beck/Source Batley Beck Afu Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 10th September 1990 Incident Reference: 114447 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	949	2	421400 426800
15	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Fusden Beck / Spen Beck Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Spen Beck/Dean Beck; No Fish Killed Incident Date: 2nd June 1998 Incident Reference: SL980479 Catchment Area: Calder Tributaries Receiving Water: Estuary Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SW (S)	983	2	420100 426100
	<b>River Quality</b> Name: Batley_Beck GQA Grade: River Quality D Reach: Gomersal_Lady_Ann_Bec Estimated Distance (km): 5 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A9NE (SE)	788	2	421174 426689

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<b>River Quality Biology Sampling Points</b> Name: Smithies/Batley Beck Reach: Gomersal To Lady Ann Beck Estimated Distance: 5.00 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2000 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2002 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2003 GQA Grade: River Quality Biology GQA Grade D - Fair Year: 2004 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2005 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2006 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2007 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2008 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 2009 GQA Grade: River Quality Biology GQA Grade D - Fair	A9NE (SE)	788	2	421174 426689
17	<b>Water Abstractions</b> Operator: Gomersal Mills Ltd Licence Number: 2/27/13/001 Permit Version: 101 Location: Boreholes X 2 - Coal Measures Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Gomersal Mills, Nr. Leeds Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2002 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	958	2	420500 426100
17	<b>Water Abstractions</b> Operator: Gomersal Mills Ltd Licence Number: 2/27/13/001 Permit Version: 100 Location: Boreholes X 2 Authority: Environment Agency, North East Region Abstraction: Textiles And Leather: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1364 Yearly Rate (m3): 350000 Details: Gomersal Mills, Nr. Leeds Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 28th February 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A8SE (S)	958	2	420500 426100
	<b>Water Abstractions</b> Operator: Kirklees Metropolitan Council Licence Number: 2/27/13/153 Permit Version: 100 Location: Nova Beck Authority: Environment Agency, North East Region Abstraction: Holiday Sites, Camp Sites & Tourist Attractions: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 36 Yearly Rate (m3): 9500 Details: Oakwell Hall, Country Park, Birstall, Near Batley Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th April 1982 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NE (E)	1487	2	421980 427220



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Water Abstractions</b> Operator: Birstall Carpet Company Limited Licence Number: 2/27/13/137 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Cooling/Gen Ind. Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 1037 Yearly Rate (m3): 228400 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1908	2	421900 425800
	<b>Water Abstractions</b> Operator: Kalon Ltd Licence Number: 2/27/13/159 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 818 Yearly Rate (m3): 211380 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A5NE (SE)	1912	2	421900 425795
	<b>Groundwater Vulnerability</b> 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 11 South Pennines Scale: 1:100,000	A13NE (NW)	0	2	420416 427101
	<b>Groundwater Vulnerability</b> 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 11 South Pennines Scale: 1:100,000	A13NW (W)	0	2	420413 427102
	<b>Drift Deposits</b> None				
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13NE (NW)	0	1	420416 427101
	<b>Superficial Aquifer Designations</b> No Data Available				
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
18	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (N)	0	4	420420 427118

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 239.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	0	4	420466 427119
20	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NW (W)	0	4	420335 427108
21	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	212	4	420705 427144
22	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 34.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	216	4	420709 427143
23	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 53.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	230	4	420718 427167
24	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 2	A13NE (E)	248	4	420742 427138
25	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 10.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	248	4	420742 427138
26	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 323.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (NE)	257	4	420724 427247
27	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 135.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14NW (E)	257	4	420753 427130

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14NW (E)	257	4	420752 427134
29	<b>OS Water Network Lines</b> Watercourse Form: Marsh Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14NW (E)	258	4	420752 427138
30	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 13.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	262	4	420742 427210
31	<b>OS Water Network Lines</b> Watercourse Form: Lake Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A13NE (E)	264	4	420746 427198
32	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14NW (E)	265	4	420753 427170
33	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 133.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	343	4	420837 427045
34	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (NE)	373	4	420604 427503
35	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A18SE (N)	384	4	420586 427520
36	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 25.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A8NW (SW)	412	4	420186 426674

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 77.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	451	4	420923 426942
38	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 285.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SW (E)	515	4	420975 426902
39	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	582	4	420889 426663
40	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 78.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	583	4	420894 426666
41	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	609	4	420964 426702
42	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 75.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	612	4	419979 426569
43	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 35.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	672	4	419990 426487
44	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 119.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	681	4	419958 426498
45	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 113.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NW (SE)	712	4	420993 426582

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 42.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	758	4	419829 426507
47	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 96.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	765	4	419739 426602
48	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 244.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	773	4	419846 426471
49	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 22.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	779	4	419612 427410
50	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 158.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	783	4	419600 427392
51	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 99.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9NE (SE)	790	4	421144 426641
52	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 187.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Nutter Beck Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	800	4	421246 426810
53	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 26.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NE (SW)	807	4	419758 426510
54	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 344.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12SW (W)	836	4	419564 426772

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 414.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A12NW (W)	840	4	419504 427265
56	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	880	4	419708 426457
57	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 69.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7NW (SW)	915	4	419678 426437
58	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 79.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	942	4	421417 426884
59	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 109.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9SW (SE)	951	4	420960 426264
60	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 71.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Nutter Beck Catchment Name: Aire and Calder Primacy: 1	A14SE (E)	967	4	421407 426764
61	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 60.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	971	4	419669 426366
62	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 63.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	971	4	419669 426366
63	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 27.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9SW (SE)	973	4	420957 426237

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 241.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Church Beck Catchment Name: Aire and Calder Primacy: 1	A9SW (SE)	982	4	421039 426275
65	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 79.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A7SW (SW)	984	4	419617 426403
66	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9SW (SE)	987	4	420943 426214
67	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9SW (SE)	989	4	420939 426210
68	<b>OS Water Network Lines</b> Watercourse Form: Inland river Watercourse Length: 4.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Aire and Calder Primacy: 1	A9SW (SE)	989	4	420939 426210

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	<b>Historical Landfill Sites</b> Licence Holder: John Crossland Limited Location: Dismantled Railway, Cleckheaton Name: Land to the North of Cliffe Lane Gomersal Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL04252 First Input Date: 1st January 1976 Last Input Date: 31st December 1990 Specified Waste: Deposited Waste included Inert and Commercial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: 4700/0020	A7NE (SW)	517	2	420062 426625
70	<b>Licensed Waste Management Facilities (Locations)</b> Licence Number: 65025 Location: 100 Cliffe Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4EX Operator Name: Mr Clifford Crawshaw Operator Location: Not Supplied Authority: Environment Agency - North East Region, Yorkshire Area Site Category: Household, Commercial And Industrial Transfer Stations <b>Licence Status: Expired</b> Issued: 21st October 1998 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	795	2	419900 426400
	<b>Local Authority Landfill Coverage</b> Name: Kirklees Metropolitan Borough Council - Has not been able to supply Landfill data		0	5	420416 427101
71	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SE (E)	40	-	420538 427098
72	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (N)	213	-	420482 427362
73	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NE (NE)	237	-	420603 427355
74	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13NW (N)	278	-	420393 427412
75	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	303	-	420383 426746
76	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14NW (E)	306	-	420802 427127
77	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SE (N)	330	-	420432 427474
78	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A12NE (NW)	415	-	420001 427359
79	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (SW)	430	-	420151 426672



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
80	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	437	-	420406 426613
81	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12SE (SW)	448	-	419977 426816
82	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SW (SE)	510	-	420947 426852
83	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SW (N)	529	-	420217 427625
84	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12NE (W)	545	-	419791 427190
85	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A12NE (W)	572	-	419774 427241
86	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SW (NW)	591	-	420116 427657
87	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SE (NW)	595	-	419921 427540
88	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14NW (E)	597	-	421067 427290
89	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SE (NW)	643	-	419947 427623
90	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19SW (NE)	656	-	420935 427628
91	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NW (N)	663	-	420337 427795
92	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8SE (S)	671	-	420497 426391
93	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NE (N)	703	-	420671 427827
94	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SE (NW)	705	-	419839 427613
95	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A7NE (SW)	724	-	419963 426442

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NW (N)	726	-	420219 427830
97	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SE (E)	730	-	421182 426838
98	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SE (NW)	736	-	419935 427728
99	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NE (N)	779	-	420464 427927
100	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A9NE (SE)	807	-	421229 426752
101	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SE (E)	832	-	421273 426791
102	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NW Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A17SW (NW)	867	-	419709 427713
103	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19SE (NE)	868	-	421277 427507
104	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SE (E)	882	-	421360 426905
105	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NE (N)	906	-	420528 428054
106	<b>Potentially Infilled Land (Non-Water)</b> Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19SE (NE)	979	-	421290 427710
107	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	98	-	420578 427185
108	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	106	-	420529 427246
109	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	118	-	420494 427267
110	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NE (NE)	118	-	420598 427190
111	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (SE)	193	-	420541 426905
112	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (SE)	316	-	420654 426820
113	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14SW (SE)	317	-	420766 426923

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A13SE (SE)	339	-	420622 426780
115	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A13NW (NW)	344	-	420112 427374
116	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (NW)	426	-	420013 427392
117	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12NE (NW)	436	-	420041 427433
118	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A18SE (NE)	460	-	420697 427558
119	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A19SW (NE)	479	-	420771 427536
120	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12SE (W)	490	-	419860 426968
121	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8NE (S)	490	-	420521 426585
122	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A14NW (E)	504	-	420991 427204
123	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8NE (S)	515	-	420570 426574
124	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A12SE (W)	525	-	419817 426994
125	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A14SW (E)	576	-	421072 427046
126	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14SW (SE)	589	-	420986 426764
127	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NW (SE)	606	-	420828 426586
128	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A14SW (E)	619	-	421086 426900
129	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A9NW (SE)	625	-	420989 426708
130	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1854	A18NW (N)	683	-	420310 427809
131	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A9NE (SE)	701	-	421105 426744
132	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A7SE (SW)	750	-	420010 426384
133	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9NW (SE)	753	-	420849 426429
134	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8SW (S)	840	-	420101 426248

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A9SW (SE)	848	-	420832 426316
136	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1894	A18NW (N)	851	-	420146 427940
137	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A19NW (NE)	862	-	420818 427945
138	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A8SE (S)	862	-	420596 426218
139	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A18NE (N)	868	-	420512 428017
140	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1854	A19NW (NE)	893	-	420985 427891
141	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1908	A17NE (N)	914	-	420061 427980
142	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A19NE (NE)	943	-	421187 427782
143	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9SW (SE)	960	-	420899 426222
144	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A11NE (W)	963	-	419399 427354
145	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1854	A9SW (SE)	969	-	420803 426174
146	<b>Potentially Infilled Land (Water)</b> Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1955	A9SW (SE)	977	-	420950 426229
147	<b>Registered Waste Transfer Sites</b> Licence Holder: C Crawshaw Licence Reference: EAWML65025 Site Location: Roundhill Turkey Farm, Cliffe Lane, Cleckheaton, West Yorkshire Operator Location: Roundhill, 100 Cliffe Lane, CLECKHEATON, West Yorkshire, BD19 4EX Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is knownOperational Dated: 21st October 1998 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Approximate location provided by supplier Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Sawdust/Wood Shavings Uncontam.Constr'N/Demol. Waste Uncontam.Earth/Excav'N Waste Wool Shoddy Prohibited Waste: Liquid Wastes W. Likely To Pollute Environment N.O.S W. With Pot'L Harm Human Health N.O.S Waste N.O.S.	A7SE (SW)	795	2	419900 426400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: Johns Radio            Licence Reference: 1108            Site Location: 84 Whitehall Road East, Birkenshaw, BRADFORD, West Yorkshire, BD11 2ER</p> <p>Operator Location: As Site Address            Authority: Environment Agency - North East Region, Ridings Area            Site Category: Scrapyard            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: No known restriction on source of waste</p> <p>Restrictions:            Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled            Dated: 1st February 1993            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Quality: Not Supplied            Authorised Waste: Electronic Scrap                                              Max.Storage In Licence            Prohibited Waste: Poisonous, Noxious, Polluting Wastes</p>	A18NE (N)	897	2	420700 428020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Pennine Lower Coal Measures Formation And South Wales Lower Coal Measures Formation (Undifferentiated)	A13NE (NW)	0	1	420416 427101
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 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	A13SW (SW)	0	1	420395 427069
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13NE (NW)	0	1	420416 427101
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	203	1	420209 426913
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 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	A13SW (SW)	288	1	420136 426867
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 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	A12SE (W)	330	1	420000 427082
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic Concentration: 35 - 45 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	A12SE (SW)	360	1	420063 426845

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12SE (SW)	450	1	420000 426778
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NE (SW)	453	1	420040 426728
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12NE (NW)	486	1	419932 427386
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A14NW (E)	502	1	421000 427101
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A7NE (SW)	511	1	420026 426661
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17SE (NW)	518	1	420000 427506

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 25 - 35 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A14NW (E)	526	1	421000 427266
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	542	1	420764 427615
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NE (SW)	635	1	419980 426539
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A19SW (NE)	666	1	421000 427574
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8SW (S)	671	1	420289 426380
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Rural Soil</p> <p>Arsenic 35 - 45 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: 100 - 200 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A17SE (NW)	700	1	419876 427641



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	705	1	419828 427602
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	722	1	420000 426422
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	804	1	420048 427860
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	849	1	419551 426768
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	851	1	420416 428000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	884	1	419734 426424

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SE (E)	939	1	421395 426816
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Rural Soil Arsenic 35 - 45 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NW (N)	978	1	420095 428057
149	<b>BGS Recorded Mineral Sites</b> Site Name: New House Location: , Wheatleys Farm, Leeds, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73715 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A13SE (E)	32	1	420530 427095
150	<b>BGS Recorded Mineral Sites</b> Site Name: Wheatley Hall Location: , Gomersal, Cleckheaton, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73713 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A14NW (E)	302	1	420799 427124
151	<b>BGS Recorded Mineral Sites</b> Site Name: Latham Hill Location: , Gomersal, Cleckheaton, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73725 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	432	1	420156 426667
152	<b>BGS Recorded Mineral Sites</b> Site Name: Drub Location: , Drub, Cleckheaton, Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73710 Type: Opencast <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A12SE (SW)	472	1	419965 426790

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Primrose Hill            Location: , Drub, Cleckheaton, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73711            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	487	1	420011 426708
154	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Lower House            Location: , Gomersal, Cleckheaton, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73714            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	513	1	420950 426851
155	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Owlet Hall            Location: , Drub, Cleckheaton, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73724            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	527	1	420030 426637
156	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Heathfield Farm            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 72756            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Lepton Edge Rock            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	528	1	420211 427623
156	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Heathfield Farm            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 72757            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18SW (N)	561	1	420216 427658
157	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Primrose Hill            Location: , Drub, Cleckheaton, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 72760            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	560	1	419778 427205

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Primrose Hill            Location: , Drub, Cleckheaton, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 72759            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Lepton Edge Rock            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	577	1	419768 427240
158	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Wheatley Hall            Location: , Gomersal, Cleckheaton, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73712            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A14NW (E)	614	1	421086 427282
158	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Breaks            Location: , Oakwell, Leeds, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73716            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	653	1	421119 427313
159	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Halfway House            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73696            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	658	1	420338 427790
160	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: West Lane            Location: , Gomersal, Cleckheaton, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 72764            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A8SE (S)	662	1	420490 426399
161	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Primrose Hill            Location: , Drub, Cleckheaton, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73708            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A12NW (W)	662	1	419669 427152

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Bluehills Farm            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73691            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Lower Coal Measures Formation            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	705	1	419833 427607
163	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Upper House            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73780            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	707	1	420676 427830
164	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Lanes Wood            Location: , Gomersal, Cleckheaton, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73790            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A7NE (SW)	740	1	419952 426431
165	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Primrose Hill            Location: , Drub, Cleckheaton, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73709            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A12NW (W)	747	1	419582 427111
166	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Oakroyd Colliery            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73779            Type: Underground  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	779	1	419926 427773
167	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Halfway House            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73692            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	781	1	420143 427866

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Halfway House            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73693            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18NW (NW)	797	1	420095 427869
168	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Fleece Colliery            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73695            Type: Underground  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A18NE (N)	797	1	420438 427945
169	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Cromwell Gas Works            Location: , Oakwell, Leeds, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73719            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	841	1	421280 426785
170	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Upper Lodge Range            Location: , Birkenshaw, Bradford, West Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73690            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Lower Coal Measures Formation            Commodity: Sandstone            Positional Accuracy: Located by supplier to within 10m</p>	A17SW (NW)	868	1	419694 427698
171	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Breaks            Location: , Oakwell, Leeds, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73717            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	882	1	421379 427140
172	<p><b>BGS Recorded Mineral Sites</b></p> <p>Site Name: Spring Cottage            Location: , Oakwell, Leeds, Yorkshire            Source: British Geological Survey, National Geoscience Information Service            Reference: 73718            Type: Opencast  <b>Status: Ceased</b>            Operator: Not Supplied            Operator Location: Not Supplied            Periodic Type: Carboniferous            Geology: Pennine Coal Measures Group            Commodity: Coal - Deep            Positional Accuracy: Located by supplier to within 10m</p>	A14SE (E)	896	1	421372 426896

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	<b>BGS Recorded Mineral Sites</b> Site Name: Fleece Colliery Location: , Birkenshaw, Bradford, West Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 73697 Type: Underground <b>Status: Ceased</b> Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Pennine Coal Measures Group Commodity: Coal - Deep Positional Accuracy: Located by supplier to within 10m	A18NE (N)	906	1	420527 428054
	<b>BGS Measured Urban Soil Chemistry</b> No data available				
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	A13NE (NW)	0	6	420416 427101
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13NE (NW)	0	-	420416 427101
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	140	1	420590 427244
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	77	1	420470 427234
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	139	1	420425 427277
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	161	1	420443 427304
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	172	1	420598 427280
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	173	1	420465 427325
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	203	1	420209 426913
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	206	1	420356 427328

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	140	1	420590 427244
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	0	1	420395 427069
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	198	1	420399 427366
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	203	1	420209 426913
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NW)	0	1	420416 427101



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
174	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: S M K Textiles            Location: 7, Dewsbury Road, Gomersal, Cleckheaton, West Yorkshire, BD19 4AX            Classification: Textile Manufacturing  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13NE (NE)	88	-	420515 427232
175	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brunton-Hague Prestige Ltd            Location: 33, Richmond Grove, Gomersal, Cleckheaton, West Yorkshire, BD19 4AG            Classification: Car Dealers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (SE)	363	-	420724 426811
176	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Svs Glazing            Location: 1, Latham Court, Gomersal, Cleckheaton, West Yorkshire, BD19 4DE            Classification: Windows - Sash  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8NE (S)	447	-	420584 426651
177	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R M Clough Agri Services            Location: 180, Drub Lane, Cleckheaton, West Yorkshire, BD19 4BU            Classification: Agricultural Engineers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (SW)	463	-	419939 426855
177	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Andrew Clough            Location: 180, Drub Lane, Cleckheaton, West Yorkshire, BD19 4BU            Classification: Dairies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (SW)	463	-	419939 426855
178	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: G &amp; B Fletcher Haulage Ltd            Location: 33, Elm Court, Birkenshaw, Bradford, BD11 2PF            Classification: Road Haulage Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	492	-	420839 427493
179	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: West Yorkshire Mini Mix            Location: Heathfield Farm, Fieldhead Lane, Birkenshaw, Bradford, West Yorkshire, BD11 2LZ            Classification: Concrete &amp; Mortar Ready Mixed  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	532	-	420244 427636
180	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Brendan Tingle            Location: 72, Moor Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4LF            Classification: Electrical Engineers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A14SW (SE)	553	-	420952 426779
181	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Hepworth Landscapes            Location: 48, Queen Street, Gomersal, Cleckheaton, West Yorkshire, BD19 4LG            Classification: Coal &amp; Smokeless Fuel Merchants &amp; Distributors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NW (SE)	554	-	420921 426736
182	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Xtract            Location: 29, Birksland Moor, Birkenshaw, Bradford, West Yorkshire, BD11 2PA            Classification: Commercial Cleaning Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	560	-	420955 427457
182	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Cleancare            Location: 29, Birksland Moor, Birkenshaw, BRADFORD, West Yorkshire, BD11 2PA            Classification: Oven cleaning  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	560	-	420955 427457

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
183	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Regency Cleaning Service Nationwide Ltd            Location: 167, Drub Lane, Cleckheaton, West Yorkshire, BD19 4BZ            Classification: Commercial Cleaning Services  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	621	-	419717 427003
184	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R A Lawrence            Location: 15a, Turnpike Close, Birkenshaw, Bradford, West Yorkshire, BD11 2LW            Classification: Asphalt &amp; Coated Macadam Laying Contractors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	628	-	420440 427775
184	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: R A Lawrence            Location: 12, Grove Terrace, Birkenshaw, Bradford, West Yorkshire, BD11 2LY            Classification: Asphalt &amp; Coated Macadam Laying Contractors  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	634	-	420422 427780
185	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Crownham Ltd            Location: 15, Whitehall Road West, Birkenshaw, Bradford, West Yorkshire, BD11 2LS            Classification: Carpets &amp; Rugs - Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	646	-	420249 427755
186	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: B C G Facilities            Location: 40, Kingsley Crescent, Birkenshaw, BRADFORD, West Yorkshire, BD11 2NL            Classification: Electrical Engineers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19SW (NE)	651	-	420794 427723
187	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: A B Blinds &amp; Curtains            Location: Churchill Hall, Whitehall Road East, Birkenshaw, BRADFORD, West Yorkshire, BD11 2NA            Classification: Blinds, Awnings &amp; Canopies  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NW (N)	708	-	420387 427850
187	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Carlton Garage Service            Location: 3 Whitehall Rd East, Birkenshaw, Bradford, West Yorkshire, BD11 2EQ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A18NW (N)	744	-	420374 427884
188	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Arriva Bus &amp; Coach            Location: Lodge Garage, Whitehall Road West, Gomersal, Cleckheaton, West Yorkshire, BD19 4BJ            Classification: Commercial Vehicle Servicing, Repairs, Parts &amp; Accessories  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A17SW (NW)	737	-	419674 427444
189	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: King Street Motors            Location: Bradford, BD11 2EJ            Classification: Garage Services  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	753	-	420538 427901
189	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: T F Tinting            Location: Whitehall Road East, Birkenshaw, Bradford, BD11 2EJ            Classification: Window Tinting  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	755	-	420513 427904
189	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Whitehall Filling Station            Location: Whitehall Road East, Birkenshaw, BRADFORD, West Yorkshire, BD11 2EJ            Classification: Petrol Filling Stations  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	756	-	420513 427905

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
190	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J L Hobson &amp; Sons            Location: 27, Grove Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4JT            Classification: Boilers - Servicing, Replacements &amp; Repairs            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	765	-	420692 426352
190	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: J L Hobson &amp; Sons            Location: 11-15, Grove Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4JT            Classification: Boilers - Servicing, Replacements &amp; Repairs            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	792	-	420716 426331
191	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Vermatec            Location: 271, Cliffe Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4SB            Classification: Pest &amp; Vermin Control            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	818	-	420216 426242
191	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Sykes Pest Control            Location: 271, Cliffe Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4SB            Classification: Pest &amp; Vermin Control            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SW (S)	818	-	420216 426242
192	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Wymas Fleet Care            Location: 21 Oakroyd Dr, Birkenshaw, Bradford, West Yorkshire, BD11 2ED            Classification: Garage Services            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A18NW (N)	852	-	420194 427954
193	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Andrew Clough Transport            Location: 64, Drub Lane, Cleckheaton, West Yorkshire, BD19 4BU            Classification: Dairies            Status: <b>Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SW (W)	867	-	419502 426848
194	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Engine Transplant            Location: 156, Dewsbury Road, Gomersal, Cleckheaton, West Yorkshire, BD19 4LL            Classification: Engine Rebuilding &amp; Reconditioning            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A9NE (SE)	871	-	421261 426675
195	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Living Essence            Location: 1, Whitehall Grove, Birkenshaw, Bradford, West Yorkshire, BD11 2LE            Classification: Candle Manufacturers &amp; Suppliers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18NE (N)	944	-	420645 428079
196	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Priest (Lindley) Ltd            Location: Spen Lane, Gomersal, Cleckheaton, West Yorkshire, BD19 4LU            Classification: Textile Manufacturing            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A8SE (S)	952	-	420574 426120
196	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Paint Box Textiles            Location: Gomersal Mills, Gomersal, Cleckheaton, West Yorkshire, BD19 4LU            Classification: Dyers            Status: <b>Inactive</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8SE (S)	952	-	420574 426120
197	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Jack Hughes Vehicle Holdings Ltd            Location: Whitehall Road West, Gomersal, Cleckheaton, West Yorkshire, BD19 4BL            Classification: Commercial Vehicle Dealers            Status: <b>Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A11NE (W)	976	-	419378 427327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	<b>Fuel Station Entries</b> Name: Whitehall Service Station Location: Whitehall Road East, Birkenshaw, Bradford, West Yorkshire, BD11 2EJ Brand: Unbranded Premises Type: Petrol Station Status: <b>Open</b> Positional Accuracy: Manually positioned to the address or location	A18NE (N)	755	-	420513 427904
199	<b>Points of Interest - Commercial Services</b> Name: G & B Fletcher Haulage Ltd Location: 33 Elm Court, Birkenshaw, Bradford, BD11 2PF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	492	7	420839 427493
199	<b>Points of Interest - Commercial Services</b> Name: G & B Fletcher (Haulage) Ltd Location: 23 Elm Court, Birkenshaw, Bradford, BD11 2PF Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	508	7	420869 427484
200	<b>Points of Interest - Commercial Services</b> Name: Carlton Garage Service Location: 3 Whitehall Road West, Birkenshaw, Bradford, BD11 2LS Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	665	7	420309 427790
201	<b>Points of Interest - Commercial Services</b> Name: Arriva Bus & Coach Ltd Location: Lodge Garage, Whitehall Road West, Gomersal, Cleckheaton, BD19 4BJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	737	7	419674 427444
201	<b>Points of Interest - Commercial Services</b> Name: Arriva Bus & Coach Location: Lodge Garage, Whitehall Road West, Gomersal, Cleckheaton, BD19 4BJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A17SW (NW)	737	7	419674 427444
202	<b>Points of Interest - Commercial Services</b> Name: Carlton Garage Service Location: 3 Whitehall Rd East, Birkenshaw, Bradford, West Yorkshire, BD11 2EQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NW (N)	744	7	420374 427884
203	<b>Points of Interest - Commercial Services</b> Name: Whitehall Service Station Location: Whitehall Road East, Birkenshaw, Bradford, BD11 2EJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18NE (N)	755	7	420513 427904
203	<b>Points of Interest - Commercial Services</b> Name: Car Wash Location: Whitehall Road East, Birkenshaw, Bradford, West Yorkshire, BD11 2EJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A18NE (N)	755	7	420513 427904
203	<b>Points of Interest - Commercial Services</b> Name: King Street Motors Location: Whitehall Road East, Birkenshaw, Bradford, BD11 2EJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	756	7	420513 427905
204	<b>Points of Interest - Commercial Services</b> Name: Vermatec Location: 271 Cliffe Lane, Gomersal, Cleckheaton, BD19 4SB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A8SW (S)	818	7	420216 426242
204	<b>Points of Interest - Commercial Services</b> Name: Sykes Pest Control Location: 271 Cliffe Lane, Gomersal, Cleckheaton, BD19 4SB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A8SW (S)	818	7	420216 426242

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
204	<b>Points of Interest - Commercial Services</b> Name: S P C Location: 271 Cliffe Lane, Gomersal, Cleckheaton, BD19 4SB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A8SW (S)	818	7	420216 426242
205	<b>Points of Interest - Commercial Services</b> Name: Bolt On Bits Location: Whitehall Works, 84 Whitehall Road East, Birkenshaw, Bradford, West Yorkshire, BD11 2ER Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	895	7	420701 428018
205	<b>Points of Interest - Commercial Services</b> Name: Easyserv Location: 81 Whitehall Road East, Birkenshaw, Bradford, BD11 2LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A18NE (N)	966	7	420706 428090
206	<b>Points of Interest - Manufacturing and Production</b> Name: Dolmens Location: Jumeria, Latham Lane, Gomersal, Cleckheaton, BD19 4AP Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A13SW (SW)	51	7	420369 426997
207	<b>Points of Interest - Manufacturing and Production</b> Name: Poultry Farm Location: BD19 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A13NW (W)	68	7	420262 427116
208	<b>Points of Interest - Manufacturing and Production</b> Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	79	7	420505 427226
208	<b>Points of Interest - Manufacturing and Production</b> Name: Factory Location: BD19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	79	7	420504 427226
208	<b>Points of Interest - Manufacturing and Production</b> Name: Factory Location: BD19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A13NE (NE)	80	7	420504 427227
209	<b>Points of Interest - Manufacturing and Production</b> Name: Dolmens Location: 91 Latham La, Gomersal, Cleckheaton, West Yorkshire, BD19 4AP Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A13SW (SW)	189	7	420303 426868
210	<b>Points of Interest - Manufacturing and Production</b> Name: Andilees Boarding Cattery Location: 176 Latham Lane, Gomersal, Cleckheaton, BD19 4AR Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A12NE (NW)	412	7	420040 427399
211	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: BD19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (SW)	462	7	419945 426846
212	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	591	7	420438 427738

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	<b>Points of Interest - Manufacturing and Production</b> Name: J D & H S Peel Location: 128 Moor Lane, Gomersal, Cleckheaton, BD19 4LJ Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A14NE (E)	708	7	421206 427117
214	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	785	7	421218 426781
214	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: BD19 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	785	7	421218 426781
214	<b>Points of Interest - Manufacturing and Production</b> Name: Tank (Disused) Location: BD19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	864	7	421284 426735
215	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: BD19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	844	7	420474 426211
215	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: BD19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SW (S)	878	7	420410 426171
216	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	892	7	420701 428015
216	<b>Points of Interest - Manufacturing and Production</b> Name: Works Location: BD11 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A18NE (N)	897	7	420699 428021
217	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: BD19 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	896	7	420574 426178
218	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: WF17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	953	7	421423 426864
218	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: WF17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	956	7	421421 426846
218	<b>Points of Interest - Manufacturing and Production</b> Name: Tanks Location: WF17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	956	7	421405 426792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
218	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: WF17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	960	7	421421 426830
218	<b>Points of Interest - Manufacturing and Production</b> Name: Tank Location: WF17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	972	7	421431 426819
218	<b>Points of Interest - Manufacturing and Production</b> Name: Tank (Disused) Location: WF17 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	992	7	421439 426779
219	<b>Points of Interest - Public Infrastructure</b> Name: Refuse Tip (Disused) Location: BD19 Category: Infrastructure and Facilities Class Code: Refuse Disposal Facilities Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	698	7	419871 426550
220	<b>Points of Interest - Public Infrastructure</b> Name: Whitehall Filling Station Location: Whitehall Road East, Birkenshaw, Bradford, BD11 2EJ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NE (N)	755	7	420513 427904
220	<b>Points of Interest - Public Infrastructure</b> Name: Whitehall Service Station Location: Whitehall Road East, Birkenshaw, Bradford, West Yorkshire, BD11 2EJ Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A18NE (N)	755	7	420513 427904
221	<b>Points of Interest - Public Infrastructure</b> Name: Burial Ground Location: BD19 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	774	7	420855 426408
221	<b>Points of Interest - Public Infrastructure</b> Name: Burial Ground Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	778	7	420866 426409
222	<b>Points of Interest - Public Infrastructure</b> Name: Gomersal Police Station Location: Police Station 287, Oxford Road, Gomersal, Cleckheaton, BD19 4JP Category: Central and Local Government Class Code: Police Stations Positional Accuracy: Positioned to address or location	A9SW (SE)	787	7	420766 426355
223	<b>Points of Interest - Public Infrastructure</b> Name: Outfall Location: WF17 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	958	7	421430 426873
223	<b>Points of Interest - Public Infrastructure</b> Name: Birkenshaw Sewage Works Location: WF17 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	988	7	421461 426874
223	<b>Points of Interest - Public Infrastructure</b> Name: Filter Beds Location: WF17 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	997	7	421463 426844

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
224	<b>Points of Interest - Public Infrastructure</b> Name: Headquarters Location: Oakroyd Hall, Bradford Road, Birkenshaw, Bradford, BD11 2DY Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18NW (N)	970	7	420203 428078
224	<b>Points of Interest - Public Infrastructure</b> Name: West Yorkshire Fire & Rescue Service Location: Oakroyd Hall, Bradford Road, Birkenshaw, Bradford, BD11 2DY Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18NW (N)	971	7	420204 428079
224	<b>Points of Interest - Public Infrastructure</b> Name: West Yorkshire Fire & Rescue Service Location: Oakroyd Hall, Bradford Road, Birkenshaw, Bradford, BD11 2DY Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A18NW (N)	971	7	420204 428079
225	<b>Points of Interest - Recreational and Environmental</b> Name: Picnic Area Location: Nr Nutter Lane, BD19 Category: Recreational Class Code: Picnic Areas Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	786	7	421261 426905
225	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	835	7	421319 426942
225	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Nr Nutter Lane, WF17 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	835	7	421319 426943
226	<b>Points of Interest - Recreational and Environmental</b> Name: Playground Location: Aspen Close, BD19 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	939	7	420539 426126



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
227	<b>Areas of Adopted Green Belt</b> Authority: Kirklees Metropolitan Borough Council Plan Name: Kirklees Unitary Development Plan Status: <b>Adopted</b> Plan Date: 1st March 1999	A13NE (NW)	0	9	420416 427101
228	<b>Local Nature Reserves</b> Name: Oakwell Park Multiple Area: N Area (m2): 415749.2 Source: Natural England Designation Date: 12th October 2005	A14SW (E)	613	8	421056 426839
229	<b>Nitrate Vulnerable Zones</b> Name: Spen Beck From Source To River Calder Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (SW)	54	12	420300 427050

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Bradford Metropolitan City Council - Environmental Health Leeds City Council - Planning and Development Kirklees Metropolitan Borough Council - Planning Services Calderdale Metropolitan Borough Council - Environmental Health	April 2014 April 2014 November 2013 September 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - North East Region	April 2017	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North East Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - North East Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North East Region	April 2017	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Bradford Metropolitan City Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 June 2014 October 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> Kirklees Metropolitan Borough Council - Environmental Health Department Leeds City Council - Neighbourhoods Department Bradford Metropolitan City Council - Environmental Health Calderdale Metropolitan Borough Council - Environmental Health	April 2014 August 2014 October 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Kirklees Metropolitan Borough Council - Environmental Health Department Bradford Metropolitan City Council - Environmental Health Leeds City Council - Neighbourhoods Department Calderdale Metropolitan Borough Council - Environmental Health	April 2014 January 2013 June 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	May 2017	
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North East Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North East Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North East Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - North East Region	January 2015	
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	April 2017 April 2017	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North East Region	April 2017	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	April 2017	Quarterly

Agency & Hydrological	Version	Update Cycle
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	April 2015	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	August 2015	As notified
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2017	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2017	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2017	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2017	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2017	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	May 2017	Quarterly
<b>OS Water Network Lines</b> Ordnance Survey	April 2017	6 Weekly
<b>Surface Water 1 in 30 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 100 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water 1 in 1000 year Flood Extent</b> Environment Agency - Head Office	October 2013	As notified
<b>Surface Water Suitability</b> Environment Agency - Head Office	October 2013	As notified
<b>BGS Groundwater Flooding Susceptibility</b> British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - Head Office	May 2017	Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North East Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	May 2017 May 2017	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North East Region - Ridings Area Environment Agency - North East Region - Yorkshire Area	May 2017 May 2017	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council - Environmental Health Kirklees Metropolitan Borough Council - Planning Services Leeds City Council - Planning and Development	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Potentially Infilled Land (Non-Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Potentially Infilled Land (Water)</b> Landmark Information Group Limited	December 1999	Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2017	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2017	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Kirklees Metropolitan Borough Council - Planning Services Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development	August 2015 February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Kirklees Metropolitan Borough Council - Planning Services Bradford Metropolitan City Council - Planning Department Calderdale Metropolitan Borough Council Leeds City Council - Planning and Development	August 2015 February 2016 February 2016 February 2016	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update

Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	October 2015	As notified
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2017	Bi-Annually
<b>CBCSB Compensation District</b> Cheshire Brine Subsidence Compensation Board (CBCSB)	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Property Searches	March 2014	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	June 2015	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
<b>Contemporary Trade Directory Entries</b> Thomson Directories	March 2017	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	May 2017	Quarterly
<b>Gas Pipelines</b> National Grid	July 2014	Quarterly
<b>Points of Interest - Commercial Services</b> PointX	December 2016	Quarterly
<b>Points of Interest - Education and Health</b> PointX	December 2016	Quarterly
<b>Points of Interest - Manufacturing and Production</b> PointX	December 2016	Quarterly
<b>Points of Interest - Public Infrastructure</b> PointX	December 2016	Quarterly
<b>Points of Interest - Recreational and Environmental</b> PointX	December 2016	Quarterly
<b>Underground Electrical Cables</b> National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
<b>Ancient Woodland</b> Natural England	May 2017	Bi-Annually
<b>Areas of Adopted Green Belt</b> Bradford Metropolitan City Council Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council	May 2017 May 2017 May 2017 May 2017	As notified As notified As notified As notified
<b>Areas of Unadopted Green Belt</b> Bradford Metropolitan City Council Calderdale Metropolitan Borough Council Kirklees Metropolitan Borough Council Leeds City Council	May 2017 May 2017 May 2017 May 2017	As notified As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2017	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	January 2017	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	June 2017	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	January 2017	Bi-Annually
<b>National Nature Reserves</b> Natural England	January 2017	Bi-Annually
<b>National Parks</b> Natural England	February 2017	Bi-Annually
<b>Nitrate Vulnerable Zones</b> Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2017 October 2015	Bi-Annually Annually
<b>Ramsar Sites</b> Natural England	January 2017	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	January 2017	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	January 2017	Bi-Annually
<b>Special Protection Areas</b> Natural England	January 2017	Bi-Annually
<b>World Heritage Sites</b> English Heritage - National Monument Record Centre	May 2017	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	<b>Kirklees Metropolitan Borough Council - Environmental Health Department</b> West Riding House, 9 Manchester Road, Huddersfield, West Yorkshire, HD1 3HH	Telephone: 01484 221000 Email: customer.relations@kirklees.gov.uk Website: www.kirklees.gov.uk
4	<b>Ordnance Survey</b> Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 023 8079 2000 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	<b>Kirklees Metropolitan Borough Council - Planning Services</b> PO BOX B93, Civic Centre III, Off Market Street, Huddersfield, West Yorkshire, HD1 2JR	Telephone: 01484 221000 Fax: 01484 221613 Website: www.kirklees.gov.uk
6	<b>The Coal Authority - Property Searches</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0345 762 6848 Fax: 01623 637 338 Email: groundstability@coal.gov.uk
7	<b>PointX</b> 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	<b>Natural England</b> County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
9	<b>Kirklees Metropolitan Borough Council</b> Town Hall, Civic Centre, Huddersfield, West Yorkshire, HD1 2TA	Telephone: 01484 221000 Fax: 01484 442768 Website: www.kirklees.gov.uk
10	<b>Leeds City Council</b> Civic Hall, Leeds, West Yorkshire, LS1 1UR	Telephone: 0113 234 8080 Fax: 0113 242 1321 Website: www.leeds.gov.uk
11	<b>Bradford Metropolitan City Council</b> City Hall, Bradford, West Yorkshire, BD1 1HY	Telephone: 01274 432111 Fax: 01274 752045 Website: www.bradford.gov.uk
12	<b>Environment Agency - Head Office</b> Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



# **APPENDIX IV**

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

Andrew Ashmore  
0191 2294298

Our Ref: 17/412526

Your Ref: WYK879617

Date: 05 July 2017

Will Cartwright  
Heritage Planning Design  
82 Park Road  
Bingley  
West Yorkshire  
BD16 4EJ

Dear Sir/Madam

REQUEST FOR RECORDS SHOWING LOCATION OF APPARATUS at:

Land North Of Holme House Register

Thank you for your enquiry dated 28/06/2017 concerning the above. The enclosed Mains Records only give the approximate location of known Northern Powergrid apparatus in the area. Great care is therefore needed and all cables and overhead lines must be assumed to be live.

Please note that while all efforts are made to ensure the accuracy of the data, no guarantee can be given. We would refer you to the Health & Safety Executive's publication HS(G)47 "Avoiding Danger From Underground Services" which emphasises that:

\* Plans must only be used as a guide in the location of underground cables. The use of a suitable cable-tracing device is essential and careful hand digging of trial holes must be carried out to positively identify and mark the exact route of the cable. You should also bear in mind that a cable is unmistakably located only when it has been safely exposed.

\* Cable depths are not generally indicated on our records and can vary considerably even when shown.

\* Great caution must be exercised at all times when using mechanical plant. Careful trial digging should always be carried out on the whole route of the planned excavation to ascertain no cables exist.

The Health & Safety Executive have another publication, GS6 "Avoidance of Danger from Overhead Electric Lines" that you should be aware of if your work is near overhead power lines. Both of these documents provide comprehensive guidance for observance of statutory duties under the Electricity at Work Regulations 1989 and the Health & Safety at Work Act 1974. Our provision of these records is based upon the assumption that people using them will have sufficient competence to interpret the information given. Any damage or injury caused will be the responsibility of the organisation concerned who will be charged for any repairs.

Please note ground cover must not be altered either above our cables or below overhead lines, in addition no trees should be planted within 3 metres of existing underground cables or 10 metres of overhead lines. All our apparatus is legally covered by a wayleaves agreement, lease or deed or alternatively protected under the Electricity Act 1989. Should any alteration / diversion of our Company's apparatus be necessary to allow your work to be carried out, budget costs can be provided by writing to Network Connections, Northumbria Works, Mill Street East, Dewsbury. WF12 9AH.

Yours faithfully

*I. Foster.*

Northern Powergrid Records Information Centre

Northern Powergrid Mains Records enclosed:

SE204270.TIF

NORTHERN POWERGRID

is the trading name of Northern Powergrid (Northeast) Limited (Registered No: 2906593) and Northern Powergrid (Yorkshire) plc (Registered No: 4112320)  
Registered Office: Lloyds Court, 78 Grey Street, Newcastle upon Tyne NE1 6AF. Registered in England and Wales.

If you would like an audio copy of this letter or a copy in large type, Braille or another language, please call 0800 169 7602.

[www.northernpowergrid.com](http://www.northernpowergrid.com)

## CABLE & OVERHEAD LINES

- 123kV
  - 69kV
  - 33kV
  - 18kV
  - 6.9kV
- HV Cables shown with Voltage and Description
- LV Mains / Services (LV Mains & Service Cables shown with Description only)
- Surface Wiring
- Prior/Telephone

Underground Cables shown as broken line

Indicates Assumed Route

Indicates End of Assumed Route

UFSS Cable Out of Commission & Unfit for Service (No Cable Description Shown)

OC Cable Out of Commission & Re-commissionable (Cable Description Shown)

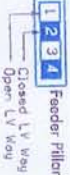
## UNDERGROUND SYMBOLOLOGY

- Trifurcating joint
  - Joint (11kV & Above)
  - Overstreet Repair
  - Cable Termination (Wall or Pole Mounted & Insulated End)
  - Uninsulated End
  - 2 Insulated Ends in One Box
  - Joint (LV)
  - Prior/Telephone Joint
  - SL Street Lamp
  - TS Traffic Sign
  - TCB Telephone Call Box
- Colours of Cable

- 3 Way Leads Box (Solid Compound)
- Leads Service Box
- Leads Service Box (Special Middle Fitting)
- Pressure Pipe
- Pressure Equipment
- Earth Link Box

Duct (Showing No. of Ways)

Reference to Cross Section (With Unique Identifier)



Link Box (4 Way)



## OVERHEAD SYMBOLOLOGY

- Tower
- Steel Mast
- H Pole
- Single Wood Pole
- Stay
- Stays in Tandem
- Live Line Stay
- Strut
- Pole Mounted Transformer
- LV Fuse
- Overhead Termination
- Triggered Spark Gap
- LED Fault Flow Indicator (LEFI)
- Fuse
- Links
- Repeater Fuse
- Auto Recloser (slow)
- Auto Recloser (High)
- Isolator
- Gas Extinguisher Isolator
- Motorised Isolator
- Motorised Fault Int. Isol.
- AFS Auto Fault Sectionaliser
- AFS Auto Sectionalising Link
- Section
- Surge Diverter
- Static Balancer
- Voltage Regulator

## EARTH CONNECTIONS

- Earth Electrode
- Aerial Earth Wire to Earth Electrode
- Neutral to Earth Electrode
- Neutral to Earth Electrode via Insulated Lead
- Neutral to Sheath
- Neutral to Earth Conductor
- Neutral to Sheath to Earth Electrode
- Neutral to Case to Earth Electrode
- Trunk to Earth Electrode
- Trunk to Earth Electrode via Insulated Lead
- Neutral to Trunk
- Neutral to Earth Electrode

## CODE LETTERS FOR CABLES

- C Concentric
- AI inner phase core
- AO outer phase core
- CA5 Corrugated Al sheath
- D Ductable
- SC Split Concentric
- TC Triple Concentric
- TWH Two phase cores
- W/AI Wavetrom
- Inner phase core
- Middle concentric phase core
- Outer concentric neutral
- Solid Al phase cores
- Stranded Al neutral

## ABBREVIATIONS

- CG Cable Guard
- CTV Cable TV Kiosk
- ISU Industrial Service Unit
- LOO Perforatio
- MH Man Hole
- SF Street Furniture
- SLL Street Light Control Lamp
- SLS Street Light Supply Point
- (Bulk Feed Point)

## MISCELLANEOUS

- Special Customer
- Meter cabinet & ISU
- Cut Out
- Address Point
- Bird Flight Diverter
- Current End Position for GIS
- Generator
- Marker Post
- Red Phase
- Yellow Phase
- Blue Phase
- Green Phase
- White Phase
- Phase Unknown
- Three Phase
- Cable 3500 db
- Depth Marker
- Height Above Ground Level
- Height Above Sea Level (Ordnance Datum)

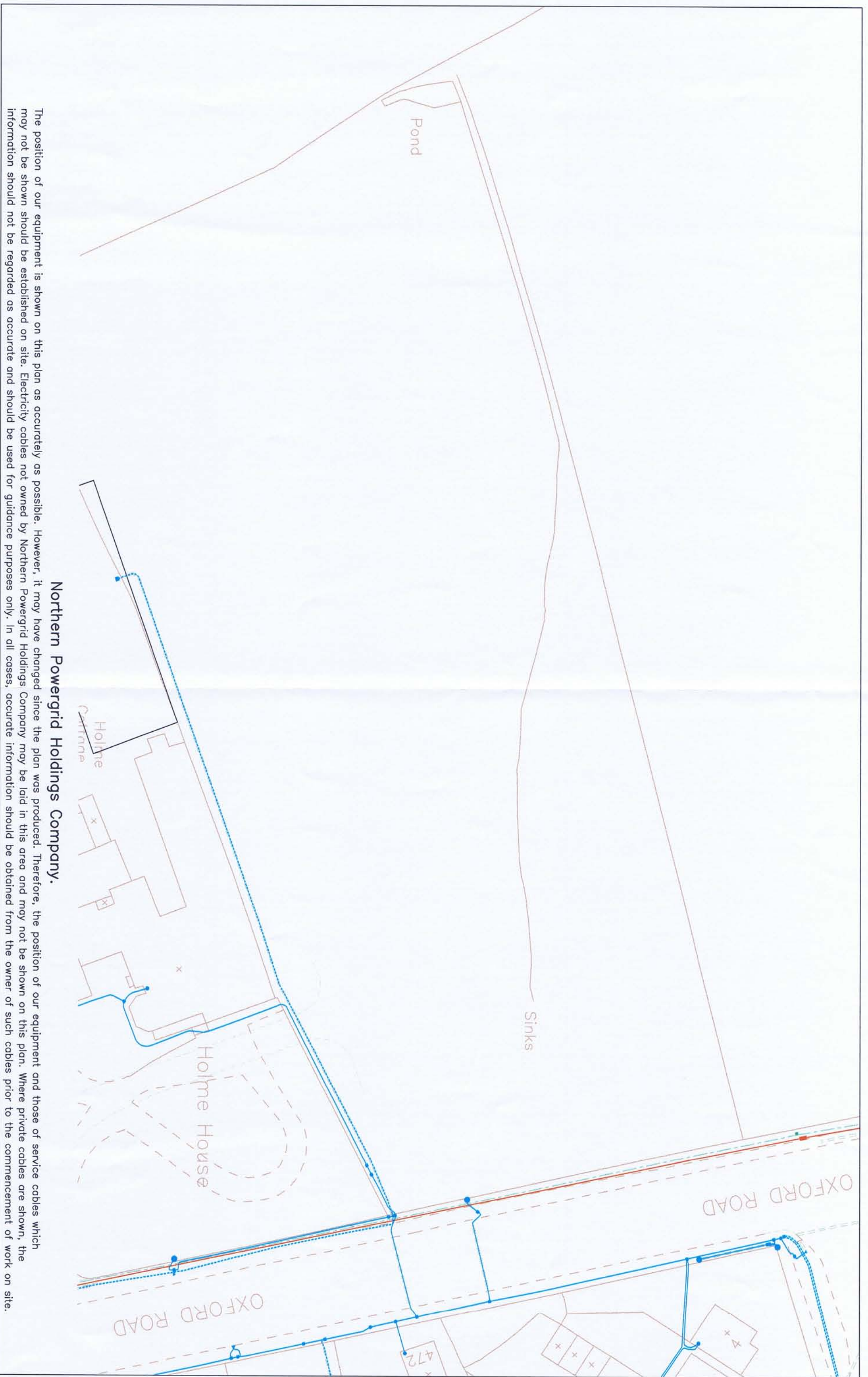
GIS Mains Record Symbolology



04-11-1997

Issue 4

5TEV66

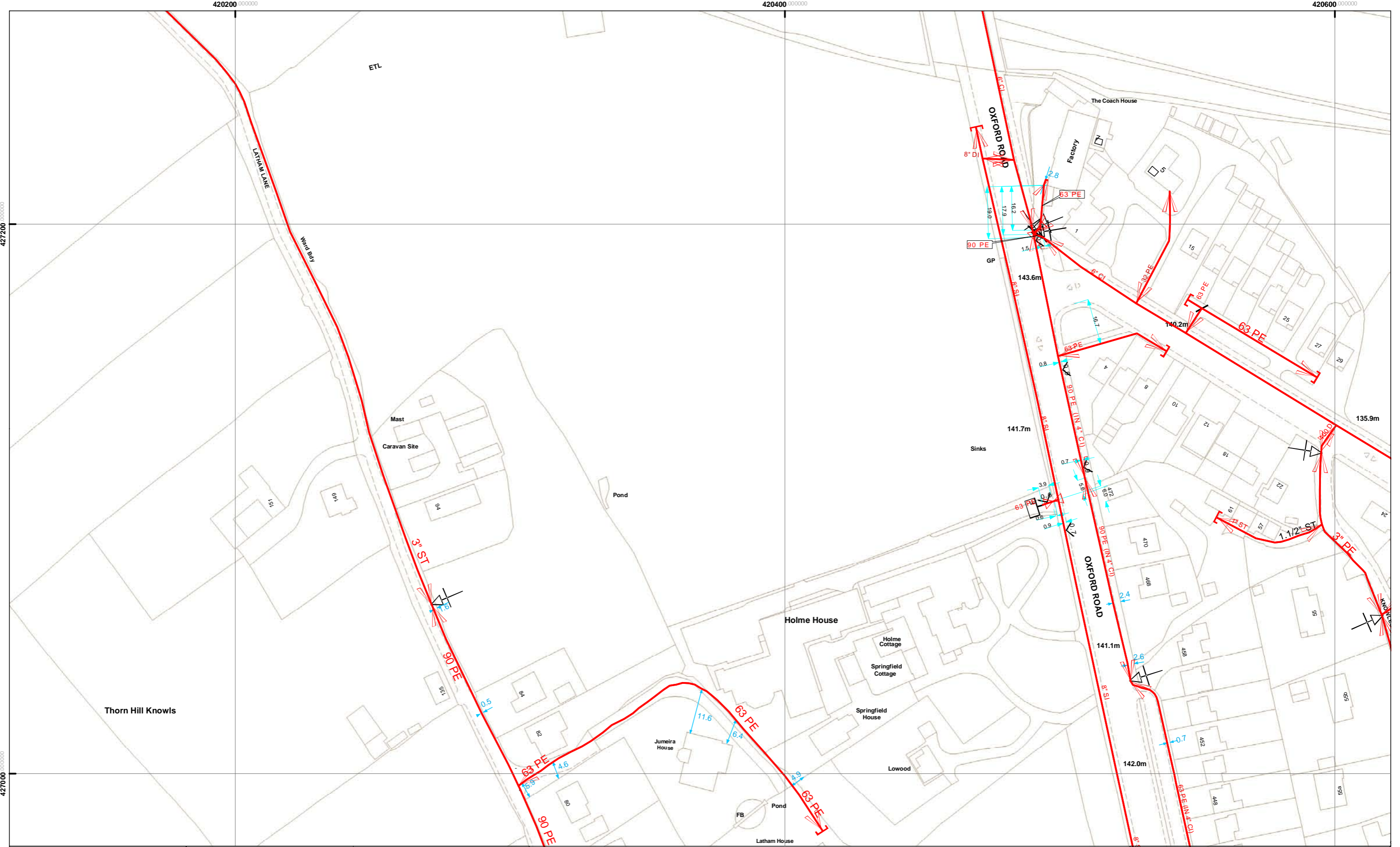


The position of our equipment is shown on this plan as accurately as possible. However, it may have changed since the plan was produced. Therefore, the position of our equipment and those of service cables which may not be shown should be established on site. Electricity cables not owned by Northern Powergrid Holdings Company may be laid in this area and may not be shown on this plan. Where private cables are shown, the information should not be regarded as accurate and should be used for guidance purposes only. In all cases, accurate information should be obtained from the owner of such cables prior to the commencement of work on site.

**Northern Powergrid Holdings Company.**

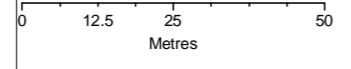
Land North Of Holme House

Northern Powergrid Holdings Company	Safe Digging Map	05-07-2017
	420321,427041	1:500
		AA



NRSWA RESPONSE	
SCALE:	1:1,250
USER ID:	N800002
DATE:	14/12/2015 16:18:57
GRID REFERENCE:	E: 420369 N: 427126

	Low Pressure
	Medium Pressure
	Intermediate Pressure
	Regional High Pressure



**TITLE :** 420422,427113 Land at Oxford Road, Gomersal, BD19 4AL

The plan shows those pipes owned by Northern Gas Networks or the relevant Gas Distribution Network in their roles as Licenced Gas Transporters (GT). Gas pipes owned by other GTs, or otherwise privately owned, may be present in this area. Information with regard to such pipes should be obtained from the relevant owners. The information shown on this plan is given without warranty, the accuracy thereof cannot be guaranteed. Service pipes, valves, syphons, stub connections, etc. are not shown but their presence should be anticipated. No liability of any kind whatsoever is accepted by Northern Gas Networks, the relevant Gas Distribution Network, or their agents, servants or contractors for any error or omission. Safe digging practices, in accordance with HS(G)47, must be used to verify and establish the actual position of mains, pipes, services and other apparatus on site before any mechanical plant is used. It is your responsibility to ensure that this information is provided to all persons (either direct labour or contractors) working for you on or near gas apparatus. The information included on this plan should not be referred to beyond a period of 28 days from the date of issue.

Some examples of Plant Items:

	Valve		Depth of Cover		Syphon		Diameter Change		Material Change
--	-------	--	----------------	--	--------	--	-----------------	--	-----------------



ArcGIS Server 9.3.1













This plan is reproduced from or based on the OS survey map by Northern Gas Networks with the sanction of the controller of HM Stationery Office. Crown Copyright Reserved.

## YORKSHIRE WATER PROTECTION OF MAINS AND SERVICES







1. The position of Yorkshire Water Services Ltd (YWS) apparatus shown on the existing mains record drawing(s) indicates the **general** position and nature of our apparatus and the accuracy of this information cannot be guaranteed. Any damage to YWS apparatus as a result of your works may have serious consequences and you will be held responsible for all costs incurred. Prior to commencing major works, the exact location of apparatus must be determined on site, if necessary by excavating trial holes. The actual position of such apparatus and that of service pipes which have not been indicated must be established on site by contacting the Customer Helpline on 0845 124 24 24 for both water and sewerage.
2. The public sewer and water network is lawfully retained in its existing position and the sewerage and water undertaker is entitled to have it remain so without any disturbance. The provisions of section 159 of the Water Industry Act 1991 provides that the undertaker may "inspect, maintain, adjust, repair or alter" the network. Those rights are given to enable the undertaker to perform its statutory duties. Any development of the land or any other action that unacceptably hindered the exercise of those rights would be unlawful. The provisions contained in Section 185 of the Water Industry Act 1991 state that where it is reasonable to do so, a person may require the water supply undertaker to alter or remove a pipe where it is necessary to enable that person to carry out a proposed change of use of the land. The provisions contained in Section 185 also require the person making the request to pay the full cost of carrying out the necessary works.
3. Ground levels over existing YWS apparatus are to be maintained. Sewers in highways will **generally** be laid to give 1200mm of cover from finished ground level working to kerb races, other permanent identification of the limits of the road or to an agreed line and level. Substantial increases or decreases to this 1200mm depth of cover will result in the sewer being re-laid at your expense. Water mains and services will **generally** be laid with a minimum of 750mm depth of cover however some mains and services usually those installed over 50 years ago may have less ground cover.
4. If surface levels are to be decreased / increased significantly the effects on existing water supply apparatus will be carefully considered and if any alterations are necessary, the costs of the alterations will be recharged to you in full. Outlets on fire hydrants must be no more than 300mm below the new levels and all surface boxes must be adjusted as part of the scheme.
5. To enable future repair works to be carried out without hindrance; any pipe, cable, duct, etc. installed parallel to a water main or service pipe should not be installed directly over or within 300mm of a water main or service pipe or 1000mm of a waste water asset. Where a pipe, cable, duct, etc. crosses a main or service it should preferably cross perpendicular or at an angle of no less than 45° and with a minimum clearance of 150mm. These requirements apply to activities within an existing highway and are relevant to the installation of pipes, cables, ducts, etc. up to and including 250mm in diameter (*see illustration below*). Necessary protection measures for installations greater than 250mm in diameter and/or in private land will need to be agreed on an individual basis. Installations within a new development site must comply with the National Joint Utilities Group publication Volume 2: NJUG Guidelines On The Positioning Of Underground Utilities Apparatus For New Development Sites.
6. All excavation works near to YW apparatus should be by hand digging only.
7. Backfilling with a suitable material to a minimum 300mm above YW apparatus is required.
8. Adequate support must be provided where any works pass under YW apparatus.
9. Jointing chambers, lighting columns and other structures must be installed in such a way that future repair or maintenance works to YW apparatus will not be hindered.
10. Apparatus such as; railings, sign posts, etc. must not be placed in such a way that they prevent access to or full operation of controlling valves, hydrants or similar apparatus. YWS surface boxes must not be covered or buried. Any adjustment, alteration or replacement of manhole covers must be agreed on site prior to the commencement of the works with a YWS Inspector who may be contacted via our Call Centre on 0845 124 24 24.
11. Explosives shall not be used within 100 metres of any Yorkshire Water Services apparatus or installations.
12. Vibrating plant should not be used directly over any apparatus. Movement or operation by vehicles or heavy plant is not to be permitted in the immediate vicinity of YWS plant or apparatus unless there has been prior consultation and, if necessary, adequate protection provided without cost to YWS.
13. **Under no circumstances** should thrust boring or similar trenchless techniques commence until the actual position of the Company's mains/services along the proposed route have been confirmed by trial holes.
14. Any alterations to the highway should be notified following the procedures outlined in the New Road and Street Works Act 1991 Code of Practice; Measures Necessary Where Apparatus Is Affected By Major Works (Diversionsary Works).

15. You will be held responsible for any damage or loss to YWS apparatus during and after completion of work, caused by yourselves, your servant or agent. Any damage caused or observed to YWS plant or apparatus should be immediately reported to YWS. Should YW incur any costs as a result of non-compliance with the above, all costs will be rechargeable in full.
16. You should ensure that nothing is done on the site to prejudice the safety or operation of YWS employees, plant or apparatus.
17. In accordance with the New Roads and Street Works Act 1991, Chapter 22, Part 3, Section 80. The location of any identified YW asset "*which is not marked, or is wrongly marked, on the records made available*" should be communicated back to Yorkshire Water. The location of the apparatus should be identified on copies of the supplied plans which should be returned to Yorkshire Water (Asset Records Team) with photographic supporting evidence where possible.
18. The Government has decided that responsibility for private sewers serving two or more properties and lateral drains (the section of pipe beyond the boundary of a single property, connecting it to the public sewer) will be transferred to the water companies on Oct 1 2011. Private pumping stations will also transfer during the period 1 October 2011 – 1 Oct 2016. Records of these assets may not yet be shown on the existing mains record drawing(s). If you encounter any of these assets you must inform Yorkshire Water Services Ltd (YWS).
19. Please note that the information supplied on the enclosed plans is reproduced from Ordnance Survey material with the permission of the Ordnance Survey on behalf of the Controller of Her Majesty's Stationery Office, © Crown Copyright. Unauthorised reproduction infringes Crown Copyright and may lead to prosecution or civil proceedings. Licence Number 1000019559.
20. This information is for guidance only and the position and depth of any YW apparatus is approximate only. Likewise, the nature and condition of any YW apparatus cannot be guaranteed. YW has no responsibility for recording the locations of privately owned apparatus. As of 1 October 2011, there may be some lateral drains and/or public sewers which are not documented on YW records but may still be present. For the avoidance of doubt, this information is not a substitute for appropriate professional and/or legal advice. YW accepts no responsibility for any inaccuracy or omissions in this information. The actual position of YW apparatus must be determined on site by excavating trial holes by hand. YW requires a minimum of two working days' written notice of the intention to excavate any trial holes before any excavation can be undertaken. If there are any queries in this respect please contact Yorkshire Water on 0845 124 24 24.

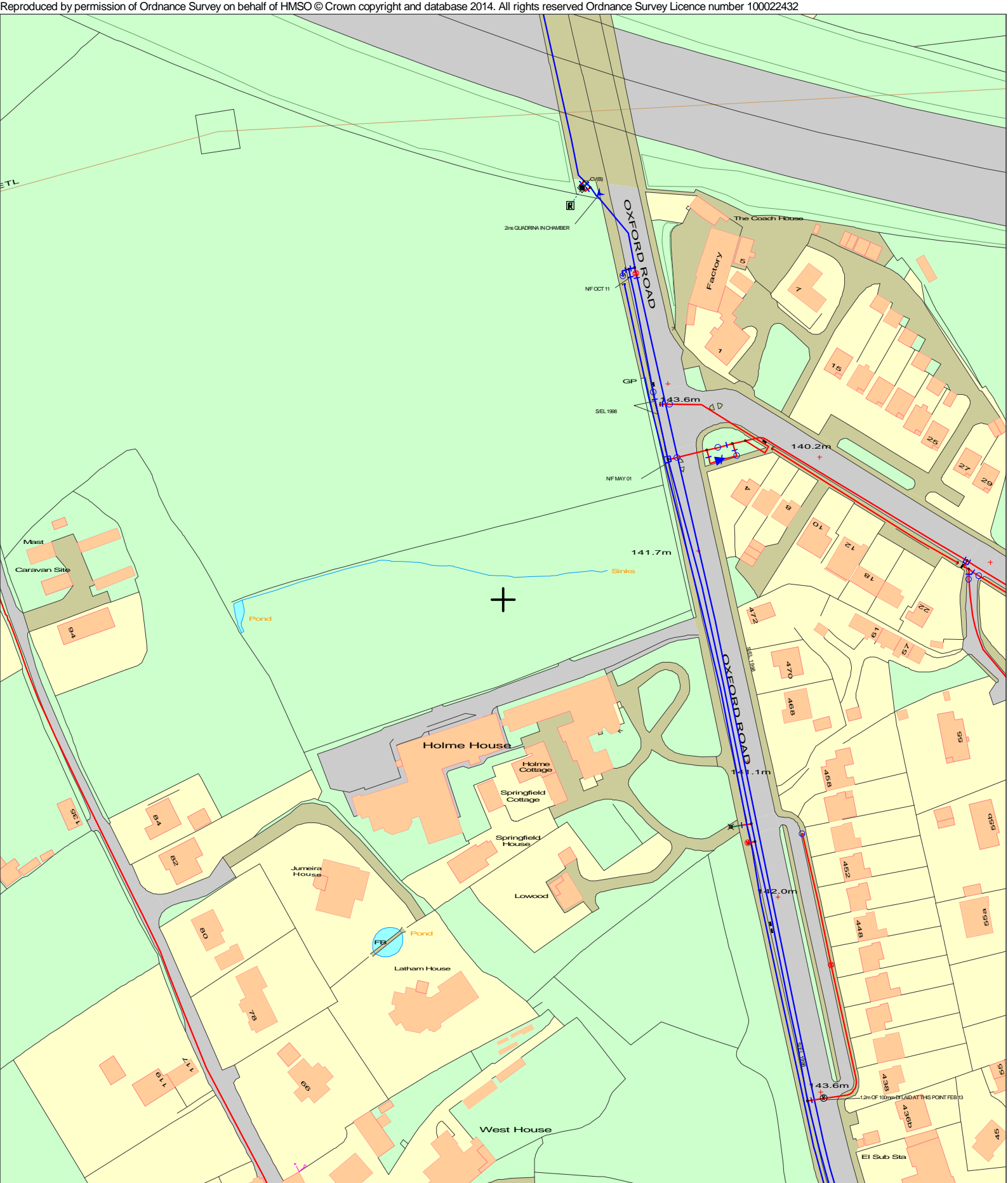
## Sewer Legend

	Combined Sewer		S24 Combined Sewer
	Surface Water Sewer		S24 Surface Water Sewer
	Foul Sewer		S24 Foul Sewer
	Section 104 Sewer		Public Rising Main
	Pumping Station		Abandoned Sewer
	Public Sewage Treatment Works		Syphon Sewer & Vacuum Sewer
<b>+</b>			Property Identifier

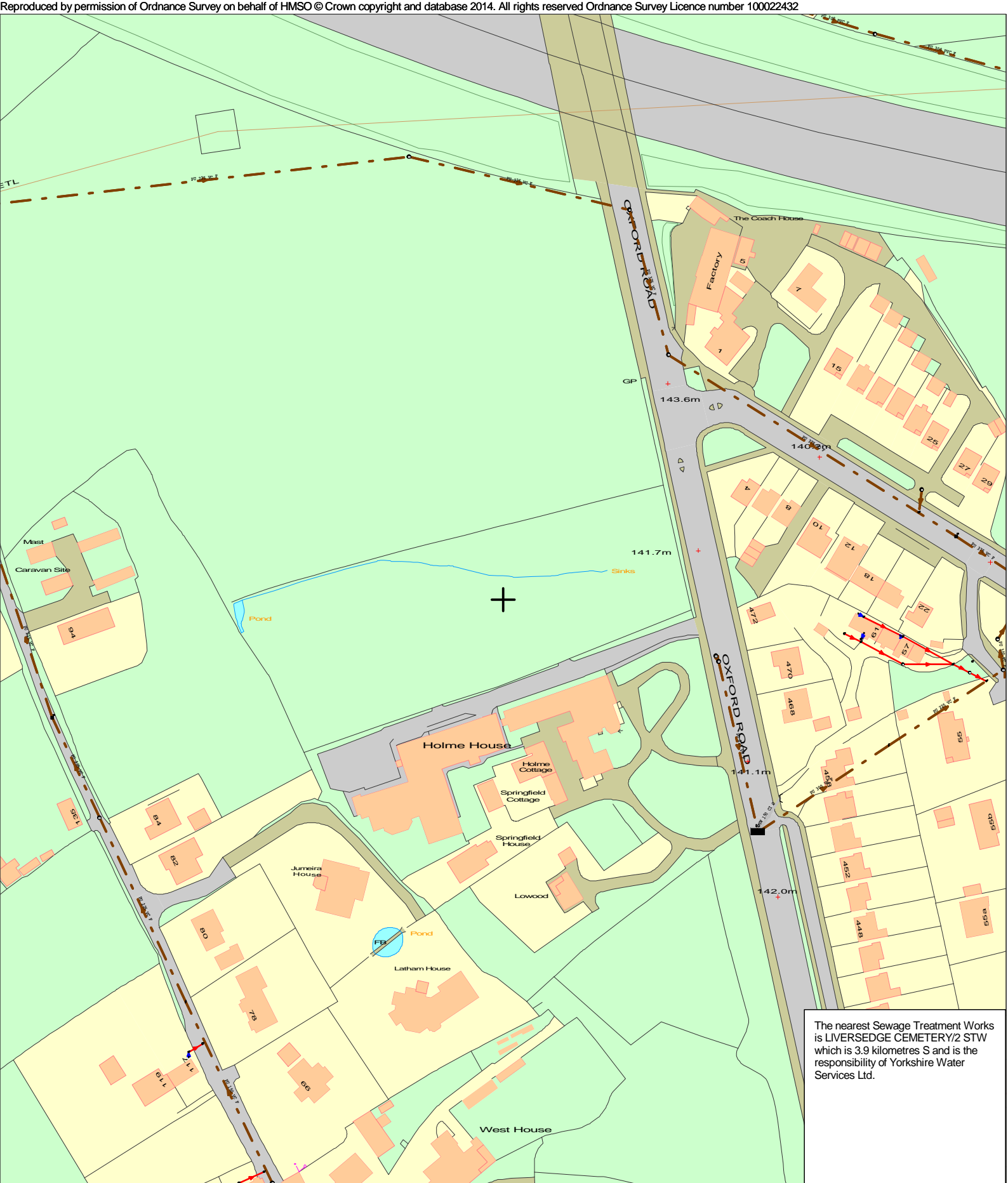
## Water Legend

	Water Main 4" and below
	Water Main 4" and above
	Raw Water Main
	Private Water Main
	Fire Hydrant
	Pumping Station





Public Clean Water Network 25/11/2015 13:05:09 OS Grid Coordinates: 420248 : 426898 Map Name : SE2026NW garsidet



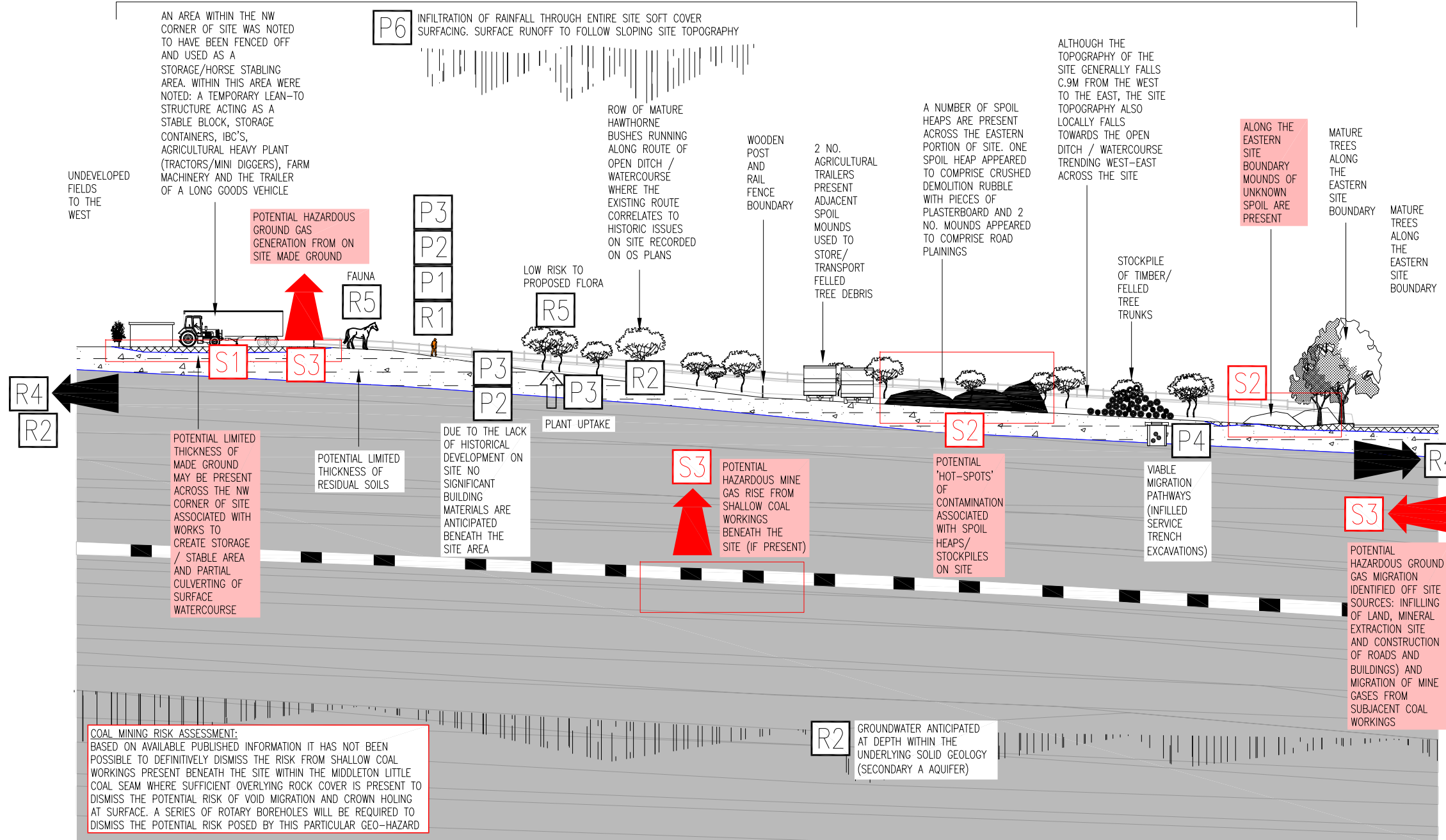
The nearest Sewage Treatment Works is LIVERSEGE CEMETERY/2 STW which is 3.9 kilometres S and is the responsibility of Yorkshire Water Services Ltd.

# **APPENDIX IV**

## **Utility Reports**

CRITICAL POLLUTANT LINKAGES

SOURCE	PATHWAY	RECEPTOR
<p><b>S</b></p> <ol style="list-style-type: none"> <li>LOCALISED MADE GROUND (WHERE PRESENT) ASSOCIATED WITH THE EXISTING HORSE STABLES, ETC., AND PARTIAL CULVERTING OF SURFACE WATERCOURSE</li> <li>STOCKPILES</li> <li>GENERATION OF HAZARDOUS GROUND GASES (MADE GROUND – ON &amp; OFF-SITE SOURCES) AND MINE GASES FROM POSSIBLE SHALLOW COAL WORKINGS</li> </ol>	<p><b>P</b></p> <ol style="list-style-type: none"> <li>INGESTION &amp; DERMAL CONTACT</li> <li>INHALATION OF INDOOR / OUTDOOR AIR</li> <li>PLANT UPTAKE AND ATTACHED SOIL</li> <li>MIGRATION THROUGH EXISTING SERVICES</li> <li>DIRECT CONTACT WITH BUILDING MATERIALS</li> <li>SURFACE RUNOFF &amp; INFILTRATION</li> </ol>	<p><b>R</b></p> <ol style="list-style-type: none"> <li>HUMAN HEALTH – FUTURE END USERS</li> <li>ON-SITE SURFACE WATERCOURSE</li> <li>DEEP GROUNDWATER – CONSIDERED AT LOW RISK</li> <li>ADJACENT SITES</li> <li>BUILDING MATERIALS &amp; PROTECTION OF WATER PIPES</li> <li>FLORA AND FAUNA</li> </ol>



**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:  
**MR ROBERT MARTIN**

Project Title:  
 Land North of Holme House Residential Home  
 Oxford Road, Gomersal, Cleckheaton  
 West Yorkshire, BD19 4LA

Drawing Title:  
 Conceptual Site Model

Scale at A3:	Date:	Drawn by:	Approved by:
NTS @ A3	27.07.17	P.D	L.H

Job Ref:	Drg no:	Rev:
17-174	-	-

**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 LACK OF ANY SIGNIFICANT HISTORICAL DEVELOPMENT RECORDED ACROSS THE MAJORITY OF THE SITE, GENERALLY NO SIGNIFICANT MADE GROUND IS ANTICIPATED. HOWEVER, SOME LOCALISED MADE GROUND IS ANTICIPATED (C.<1M) IN THE NORTHWESTERN CORNER OF THE SITE, ASSOCIATED WITH EXISTING HARDSTANDING AND THE USE OF THIS AREA AS HORSE STABLES AND STORAGE OF LORRY TRAILERS AND FARM MACHINERY, AS WELL AS LOCALLY DISTURBED NATURAL DEPOSITS ASSOCIATED WITH THE EXISTING TRACK (EVIDENCE OF BRICK AND SANDSTONE RUBBLE, ETC.). HISTORICALLY, A POND WAS RECORDED ON THE NORTHWESTERN CORNER OF THE SITE, HOWEVER THIS AREA IS NOW OCCUPIED BY THE EXISTING HORSE STABLE AND LORRY TRAILER STORAGE. IN ADDITION, THE SURFACE WATERCOURSE BELOW THE FAR EASTERN PORTION OF THE SITE IS SUSPECTED TO BE CULVERTED, AND THEREFORE SOME FURTHER LOCALISED AREAS OF MADE GROUND SHOULD BE EXPECTED, UP TO C.1M MAY BE LOCALLY PRESENT, LIKELY TO COMPRISE OF NATURAL DEPOSITS WITH ANTHROPOGENIC DEBRIS I.E. BRICK, CONCRETE, ASH, ETC. ON THE SOUTHEASTERN PORTION OF THE SITE THERE ARE A NUMBER OF STOCKPILES, COMPRISING OF SOIL, HORSE MANURE, SANDSTONE RUBBLE AND ASPHALT ROAD PLANINGS, AND TIMBER LOG STORAGE. IT IS UNDERSTOOD FROM THE CURRENT SITE OWNER THAT MOST OF THESE STOCKPILES WILL BE REMOVED PRIOR TO DEVELOPMENT OF THE SITE

**DRIFT DEPOSITS:**  
 BASED ON MAPS PRODUCED BY THE BGS, THE SITE IS SHOWN TO LIE WITHIN AN AREA WHERE NATURAL DRIFT DEPOSITS ARE THIN OR ABSENT, I.E. AN AREA OF SOLID OUTCROP, WHERE THE SOLID GEOLOGY IS AT OR CLOSE TO THE SURFACE. HOWEVER, THE PRESENCE OF RESIDUAL SOILS (TYPICALLY CLAY) WHICH OCCUR AS A RESULT OF THE DIRECT WEATHERING OF THE UNDERLYING NATURAL BEDROCK ARE LIKELY TO BE PRESENT.  
 HISTORICAL BGS BOREHOLE RECORD SHEETS, LOCATED WITHIN A SIMILAR GEOLOGICAL SETTING, RECORDED INITIALLY SOFT TO FIRM BECOMING STIFF BROWN AND GREY SILTY CLAY, WITH SILTSTONE AND MUDSTONE LITHORELICS NOTED TOWARDS THE BASE OF THE CLAY DEPOSITS, TO DEPTHS OF BETWEEN C.2.43M UP TO C.6.20M BGL

**SOLID GEOLOGY:**  
 THE SOLID GEOLOGY UNDERLYING THE SITE IS SHOWN TO COMPRISE THAT OF THE LOWER COAL MEASURES (LCM), DEPOSITED DURING THE PERIOD OF EARTH'S HISTORY KNOWN AS THE CARBONIFEROUS, COMPRISING ALTERNATING BANDS OF SANDSTONE, SILTSTONE, MUDSTONE AND COAL. THE WESTERN PORTION OF THE SITE IS RECORDED TO BE INITIALLY UNDERLAIN BY A NAMED SANDSTONE ROCK UNIT KNOWN AS THE LEPTON EDGE ROCK, AND THE EASTERN PORTION OF THE SITE IS RECORDED TO BE INITIALLY UNDERLAIN BY MUDSTONE