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

### **DYSART DEVELOPMENTS**

### **LAND AT SPRING VILLE/BROCK LANE EAST SLEEKBURN**

### **SPRING VILLE**

### **EAST SLEEKBURN**

### **BEDLINGTON**

### **NORTHUMBERLAND**

### **NE22 7AZ**

**Project No: 13-554**

Prepared By:

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

Date:

04/11/2013

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

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

Report Type: - Phase 1: Desk Top Study Report.

Project: - 13-554 – Spring Ville, East Sleekburn, Bedlington, Northumberland, NE22 7AZ.

Prepared For: - Dysart Group.

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## 1.0 Introduction

**November 2013**

Arc Environmental Limited has been instructed by the Dysart Group, to undertake a Phase 1: Desk Top Study Report for a proposed residential development, situated in East Sleekburn, Bedlington, Northumberland.

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

## 2.0 Physical Setting

### 2.1 Site Details / Reconnaissance Survey:-

**Table 2.1**

<b>Site Name &amp; Address:</b>	Spring Ville, East Sleekburn, Bedlington, Northumberland, NE22 7AZ.
<b>National Grid Reference:</b>	428740, 583590 (representative of centre of site).
<b>Description of Location:</b>	The site is an agricultural field which is situated to the north of allotment gardens and a residential area.
<b>Site Boundaries:</b>	The site is predominantly surrounded by rural land which is separated by roads (N & E = Brock Lane, W = A189). S = Allotment gardens and residential area.
<b>Site Shape &amp; Development Details:</b>	The site is generally irregular in shape, occupying an area of c.1.42 hectares (Ha). A proposed residential development is envisaged – see Proposed Development Plan in Appendix I for further detail.
<b>General Topography:</b>	Generally level ground.
<b>Site Surfacing:</b>	Predominantly rural grassland.
<b>Above Ground Structures:</b>	There are no above ground structures present on the site.
<b>Sub-surface Structures &amp; Services:</b>	As there are no existing buildings, no foundations are anticipated. During the site walkover survey, no drainage covers were noted across the site. There are wooden 4 poles supporting overhead electrical cables.
<b>Other:</b>	There was a large amount of “horse manure” present towards the north of the site. An archaeological watching brief may be required for this site.

## 3.0 Environmental Setting

### 3.1 Site Geology:-

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

- Sheet 15 Tynemouth, England and Wales, Solid Edition, 1:50,000 Series.
- Sheet 15 Tynemouth, England and Wales, Drift Edition, One-Inch Series.
- Geology and Land Use Planning: Morpeth-Bedlington-Ashington, Onshore Geology Series.
- Durham Mining Museum for records of adjacent collieries.
- BGS Borehole Database

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

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

#### **3.1.1 Made Ground**

Published BGS data indicates an absence of made ground on or immediately adjacent to this site. However, some made ground is anticipated to be present, adjacent to the west of the site due to the construction of the adjacent A189.

#### **3.1.2 Drift Deposits**

BGS plans indicate that the drift deposits underlying site is shown to be Glacial Till or “Boulder Clay”, which typically comprises firm to stiff clay and silty clay, commonly interbedded with sand and gravel-rich lenses. Adjacent BGS borehole records and drift thickness contours on the technical report indicate the depth of drift below the site is in the order of 20m to 25m, increasing to the north.

#### **3.1.3 Solid Geology**

From published geological plans, the solid geology underlying the site is shown to comprise the Middle Coal Measures Formation (MCM) deposited during the Period of the Earth’s history known as the Upper Carboniferous. Solid deposits comprising of mudstone are noted at “rock-head”.

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

To aid in this coal mining risk assessment, a Non-Residential Coal Authority Mining Report was obtained for this site from the Coal Authority (ref. 510003964422001), a copy of which is attached in Appendix IV. From information included within the Coal Mining Report, the proposed development is situated within the likely zone of influence from workings in 6 seams of coal at 60m to 230m depth, and last worked in 1968, with the Coal Authority noting that any ground movement from these coal workings should have stopped by now.

From published geological plans and coal outcrop patterns, the shallowest seam below this site is shown as the Ashington seam. From information held by the Coal Authority, the shallowest recorded worked coal seam below the site is shown as the High Main (HM), at a depth of 60m below ground level. This is confirmed by nearby shaft details for West Sleekburn Colliery (situated c.1.3km north-west), which record this seam locally at a depth of c.52m below ground level. To aid in assessing the level of potential risk to this development, further correspondence was also made with the Coal Authority, who confirmed the shallowest recorded worked seam below this site as the High Main coal seam, at a depth of c.60m, with no workings recorded within the potentially shallower Ashington coal seam.

The technical report, for the East Sleekburn area notes the separation between the High Main and the Ashington seams at c.15m, suggesting the Ashington lies at c.45m below the site. The Ashington seam is also noted to be between 0.5m and 0.75m thick below this area.



### 3.0 Environmental Setting (Cont'd)

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

Taking into account the recorded depths of both the Ashington and High Main coal seams, this site is not considered to be at risk from shallow coal mining activities, as the thickness of overlying competent rock cover is felt to be sufficient as to prevent any possible crown hole migration resulting from potential mine working collapses. This is confirmed by information from published geological plans, which shows the site as being situated within an area where mine workings are absent within 30m of the surface. Taking this into account, no further intrusive or remedial works are deemed necessary for this site.

#### 3.3 Site Hydrogeology:-

**Table 3.1**

<b>STRATA</b>	<b>Aquifer / Soil Leachability EA Classification</b>	<b>Comments</b>
<b>Made Ground:</b>	Soils of a Low Leaching Potential	Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment.
<b>Drift Geology:</b>	Low permeability drift deposits	Occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium.
<b>Solid Geology:</b>	Secondary A Aquifer	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers.

- The site is not located within a Source Protection Zone (SPZ).
- There are no groundwater abstractions recorded within c.500m of the site.
- A shallow continuous groundwater surface (water table) is not anticipated to be present below this site. However, groundwater is anticipated at depth within the solid deposits (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>	The River Blyth is located c.88m south west of the site.	The River Blyth is recorded by the EA as River Quality B.
<b>Unclassified Watercourse(s), Canals, Ponds &amp; Lakes</b>	None recorded within c.250m	~
<b>Flooding</b>	The does not fall within the designated Flood Zone II & III.	The site is situated beyond the designated Flood Zone's II & III and as such is therefore at low risk from flooding.
<b>Surface Water Flooding (Site Walkover)</b>	~	During the site walkover, saturated ground/boggy areas were noted to the north of the site.
<b>RAINFALL</b>	<b>Measurements (mm)</b>	<b>Comments</b>
<b>Annual</b>	689.1	Based on 'station average' records from Boulmer: 1981-2010
<b>Precipitation, January</b>	58.1	
<b>Precipitation, July</b>	57.6	

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

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

The site is recorded as being location within an area where less than 1% of homes are above the radon action level, in accordance with the British Geological Survey (BGS), National Geoscience Information Service, with their assessment suggesting that no basic radon protection measures are necessary for this site.

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

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

According to the Landmark Envirocheck Report obtained for this site, there are no sensitive land uses recorded within c.1km of the site.

From the site walkover survey completed, there appears to be no potential issues with respect to non-native invasive weed species (i.e. Japanese Knotweed, etc.).

#### **3.7 Estimated Soil Chemistry:-**

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

**Table 3.3**

<b>Element</b>	<b>Location</b>	<b>Estimated Soil Concentrations (mg/kg)</b>
<b>Arsenic</b>	On site	<15
<b>Cadmium</b>	On site	<1.8
<b>Chromium (total)</b>	On site	60 – 90
<b>Lead</b>	On site	<150
<b>Nickel</b>	On site	15 - 30

### **4.0 Industrial Setting**

#### **4.1 Site History:-**

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

## 4.0 Industrial Setting (Cont'd)

### 4.1 Site History (Cont'd):-

**Table 4.1**

<u>Date</u>	<u>Site</u>	<u>Adjacent Areas</u>
c.1865 - c.1897	The site is recorded as undeveloped rural land.	The site is located in East Sleekburn, Bedlington and is surrounded by undeveloped rural land. The River Blyth is located to the south of the site.
c.1897 - c.1922	The site remains a rural area with a footpath running through the site from the north west to the south east.	A small residential area has been developed to the south east of the site. Brock Lane road has also been constructed running east of the site.
c.1922 - c.1940	The site is generally the same as c.1897- c.1922	Another residential area has been built to the south of the site. (South View)
c.1940 - c.1961	The site is generally the same as c.1922 - c.1940	Allotment gardens have been constructed to the south of the site.
c.1961 - c.1993	The footpath running through the site has been removed. It still remains undeveloped land.	The A189 has been constructed to the west of the site.
c.1993 - 2013	From the site walkover survey, it was evident that the land had recently been used for horse grazing. There was a large pile of manure towards the north of the site. An electricity transmission line with poles runs through the north of the site.	Generally as c.1961 – c.1993

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

### 4.2 Landfill & Waste:-

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

- There are no active landfills recorded on or within c.250m of the site.
- There are no historical landfills recorded on or within c.250m of the site.
- Following a review of historical plans and completion the site reconnaissance walkover survey, there are no potential sources of significant ground gas migration/production recorded on or within plausible migration distance to this site.

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

## 4.0 Industrial Setting (Cont'd)

### 4.3 Statutory Requirements / Authorisations:-

Table 4.2

<u>TYPE</u>	<u>Location</u>	<u>Comments</u>
Pollution Prevention and Controls	None recorded within c.250m.	~
Registered Radioactive Substances	None recorded within c.250m.	~
Prosecutions Relating to Authorised Processes	None recorded within c.250m.	~
Enforcement and Prohibition Notices	None recorded within c.250m.	~
Planning Hazardous Substances Consents / Enforcements	None recorded within c.250m.	~
COMAH/NIHHS Sites	None recorded within c.250m.	~
Contemporary Trade Entries	One recorded within c.250m.	The entry is associated with the name Keith Richards (Road Marking & Surfacing Equipment & Material Manufacturers). The entry is inactive at present and not considered to represent a risk.
Fuel Station Entries	None recorded within c.250m.	~

### 4.4 Pollution Incidents and Discharge Consents:-

Table 4.3

<u>TYPE</u>	<u>Location</u>	<u>Comments</u>
Discharge Consents	3 recorded within c.250m.	All 3 discharge consents are related to Northumbrian Water. One pumping station license has now been revoked. The other 2 are associated with Sleek Burn water. None are considered to represent a risk to the 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	6 recorded within c.250m.	The entries occurred between c.66m and c.242m from the site. 4 being Category 3 (Minor Incidents) and 2 were Category 2 (Major Incidents). One of the Category 2 incidents was a transport accident and the other cause was Other Oil. However, it is felt that these are not attributable to the site and is considered to be associated with adjacent developments.
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**

<b>Sources (S)</b>		<b>Pathways (P)</b>		<b>Receptors (R)</b>	
<b>S1</b>	Agricultural uses (pesticides, fertilisers)	<b>P1</b>	Ingestion	<b>R1</b>	Human health (End users and construction workers)
		<b>P2</b>	Inhalation of indoor / outdoor air		
		<b>P4</b>	Migration through existing services		
<b>S2</b>	Limited made ground to west of site			<b>R3</b>	Building materials*
		<b>P6</b>	Surface run off and leachate migration	<b>R4</b>	Adjacent sites
				<b>R5</b>	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 III, which sets out the critical pollutant linkages of concern for this particular site, with regard to contamination as above.

### 5.1 Geotechnical Considerations:-

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

- Actual depth, origin, variability and condition of made ground, if present on site
- Geotechnical parameters of any natural drift (glacial till) deposits below proposed development area.
- Control of surface drainage.
- Stability of excavations if localised significant thickness of made ground and/or geotechnically “poor” drift deposits are present below the site (not anticipated at this stage).

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

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



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

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

From the historical Ordnance Survey maps, the site has been undeveloped rural land since before c.1865. A footpath was constructed across the site in c.1897 and was removed in c.1961. From the site walkover survey, it is evident that the land has recently been used for horse grazing.

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

- Potential limited areas of made ground present to west of site by overspill from adjacent A189 construction.
- Potential contamination from pesticides and fertilisers used on agricultural land.

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

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

#### Soils – Human Health;

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

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

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

#### Groundwater / Leachate – Controlled Waters;

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

- Groundwater below the site has been classified as a Secondary A Aquifer within the solid geology.
- There are no water abstraction points recorded within c.500m of the site.

When considering the potential risk to controlled waters, the site is underlain by Secondary A aquifer solid geology deposits, which are overlain by thick low permeability deposits. In addition, there are no significant contamination sources recorded on site.

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

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

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

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

Human Health – Taking into account historical previous site usage, i.e. the site has historically been rural undeveloped land and significant made ground deposits/fill materials are not anticipated below the site associated with previous site usage.

At this stage, there is considered to be an overall low contamination risk setting for human health, when considering the nature of the proposed end use (i.e. residential development).

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

Taking into account the above, it is recommended that 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;

- 1 day's trial pitting using standard JCB with full in situ sampling and testing.
- A series of windowless sampling boreholes to complement the trial pits and to gain further quantitative strength data, with full in situ sampling and testing.
- Appropriate laboratory geotechnical testing.
- Contamination screening on selected samples recovered from the investigation to assess the risks to Human Health - typical contaminants detailed in Section 5.2.
- Site supervision and production of factual and interpretive Phase 2: Ground Investigation Report, including a Level 1 Ground Contamination Risk Assessment for Human Health and Controlled Waters.

The samples of soil collected should also be forwarded to UKAS and MCERTS accredited laboratory to undertake the recommended testing. Prior to site investigation works commencing on site, all existing utilities/services should be identified and recorded, such that any potential damage to services crossing the site can be prevented, as well as ensuring the health and safety of future site workers.

**End of Report**

## **GENERAL REFERENCES**

- British Geological Survey: Maps, Reports, Memoirs, etc.
  - Sheet 15 Tynemouth England and Wales, Solid Edition, 1:50,000 Series.
  - Sheet 15 Tynemouth England and Wales, Drift Edition, One-Inch Series.
  - Geology and Land Use Planning: Morpeth-Bedlington-Ashington, Onshore Geology Series
  - Durham Mining Museum for records of adjacent collieries.
  - BGS Borehole Database
  
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CLR 3: Documentary research on industrial sites. Report by RPS Group plc. DoE, 1994.

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

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

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

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

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- BS5930:1999+A2:2010: Code of Practice for Site Investigations.
  
- BRE Digest BR211(2007): Radon: Guidance on Protective Measures for New Buildings.
  
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- Methane and Associated Hazards to Construction - CIRIA Reports 149,150,151 & 152.
  
- Assessing Risks Posed by Hazardous Ground Gases to Buildings, CIRIA C665, 2007.
  
- BS8485: 2007: Code of Practise for the Characterization and Remediation from Ground Gas in Affected Developments.
  
- CIRIA Report C624 'Development and flood risk – guidance for the construction industry' and Planning Policy Statement 25 (PPS25).

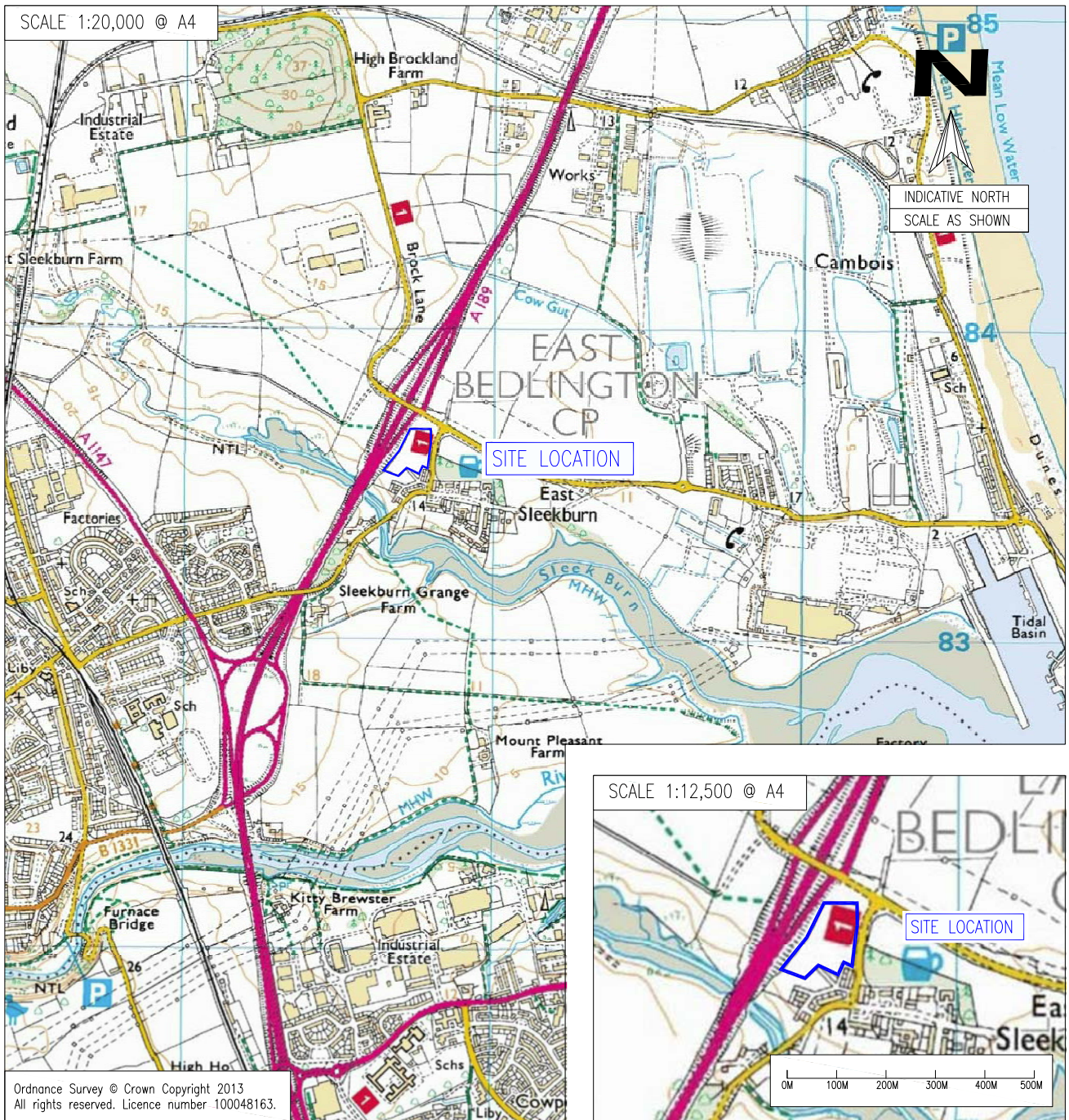
- 
- Science Report P5-077/SR: Guidance on Assessing the Risk Posed by Land Contamination and its Remediation on Archaeological Resource Management, June 2005.
  - Non-Residential Coal Authority Mining Report (ref. 51000396442001).

# **APPENDIX I**

**Location Plan,  
Aerial Photograph,  
Existing Site Layout Plans,  
Proposed Development Layout Plan,  
Site Observations - Photographic Record Sheets**

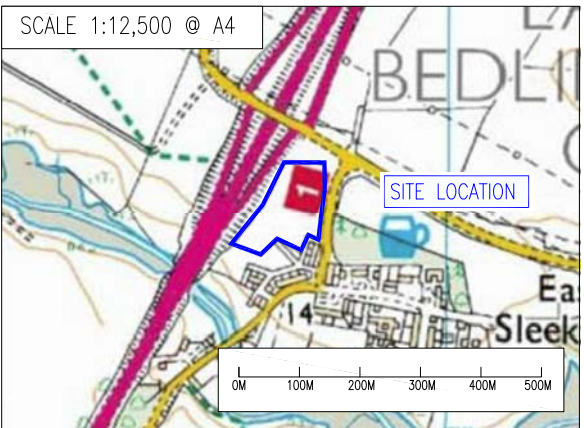


SCALE 1:20,000 @ A4



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SCALE 1:12,500 @ A4



Client:  
**DYSART DEVELOPMENTS**

Project Title:  
Proposed Residential Development  
Land at Springville / Brock Lane  
East Sleekburn, Northumberland

Drawing Title:  
Location Plan

Job Reference: 13-554	Drawing Number: -	Revision: -
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Drawn by: P.D	Date: 13.11.13	Scale at A4: As Shown
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Checked by: S.D	Approved by: S.D	The contractor shall check all dimensions on site before commencement of any works. No dimensions to be scaled off this drawing. © Copyright Reserved
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LEGEND	
	INDICATIVE SITE BOUNDARY

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Client: **DYSART GROUP**

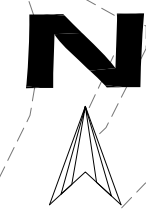
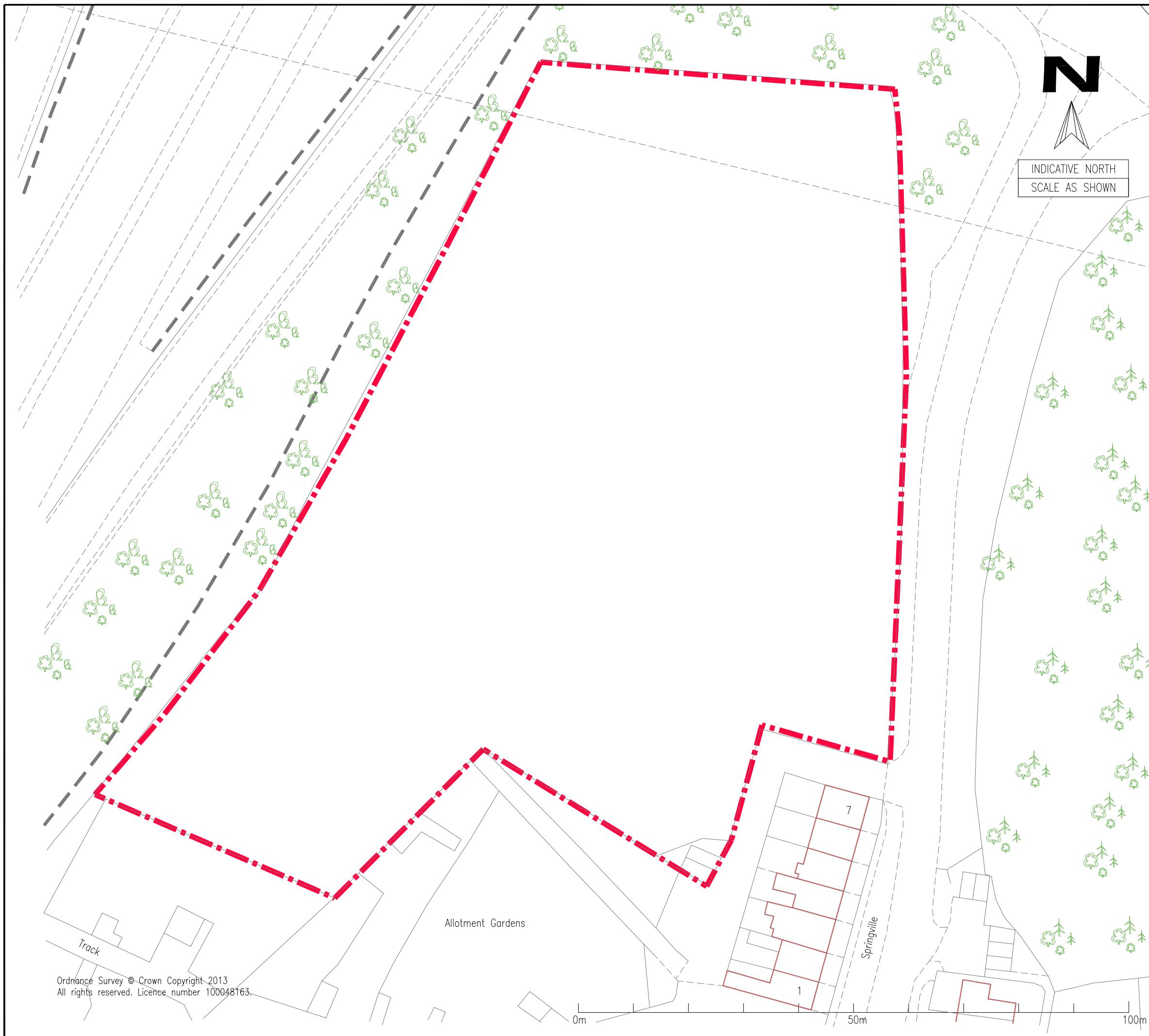
Project Title:  
Proposed Residential Development  
Land at Springville / Brock Lane  
East Sleekburn

Drawing Title:  
Aerial Photograph

Scale at A3: As Shown	Date: 13.11.13	Drawn by: P.D	Approved by: J.P.D
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Job Ref: 13-554	Drg no: -	Rev: -
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0m 50m 100m



INDICATIVE NORTH  
SCALE AS SHOWN



**ARC ENVIRONMENTAL LTD**

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LEGEND	
	INDICATIVE SITE BOUNDARY

rev.	date	amendments	drawn	chckd

Client: **DYSART GROUP**

Project Title:  
Proposed Residential Development  
Land at Springville / Brock Lane  
East Sleekburn

Drawing Title:  
Existing Site Layout Plan

Scale at A3: As Shown	Date: 13.11.13	Drawn by: P.D	Approved by: J.P.D
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Job Ref: 13-554	Drg no: -	Rev: -
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Overhead power lines dropped to earth, via new poles, and taken underground along public highways and easements in private driveways.



INDICATIVE NORTH  
SCALE AS SHOWN



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LEGEND

 INDICATIVE SITE BOUNDARY

2.5 storey townhouses (room-in-roof) framing views at ends of culs-de-sac.

Overhead power lines dropped to earth, via new poles, and taken underground along public highways and easements in private driveways.

New Site Entrance formed to Highways Authority approval.

Proposed Public Open Space near entrance. Overlooked by adjacent semi-detached houses.

Larger housing units at ends of culs-de-sac.

Overhead power lines dropped to earth, via new poles, and taken underground along public highways.

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rev.	date	amendments	drawn	chckd
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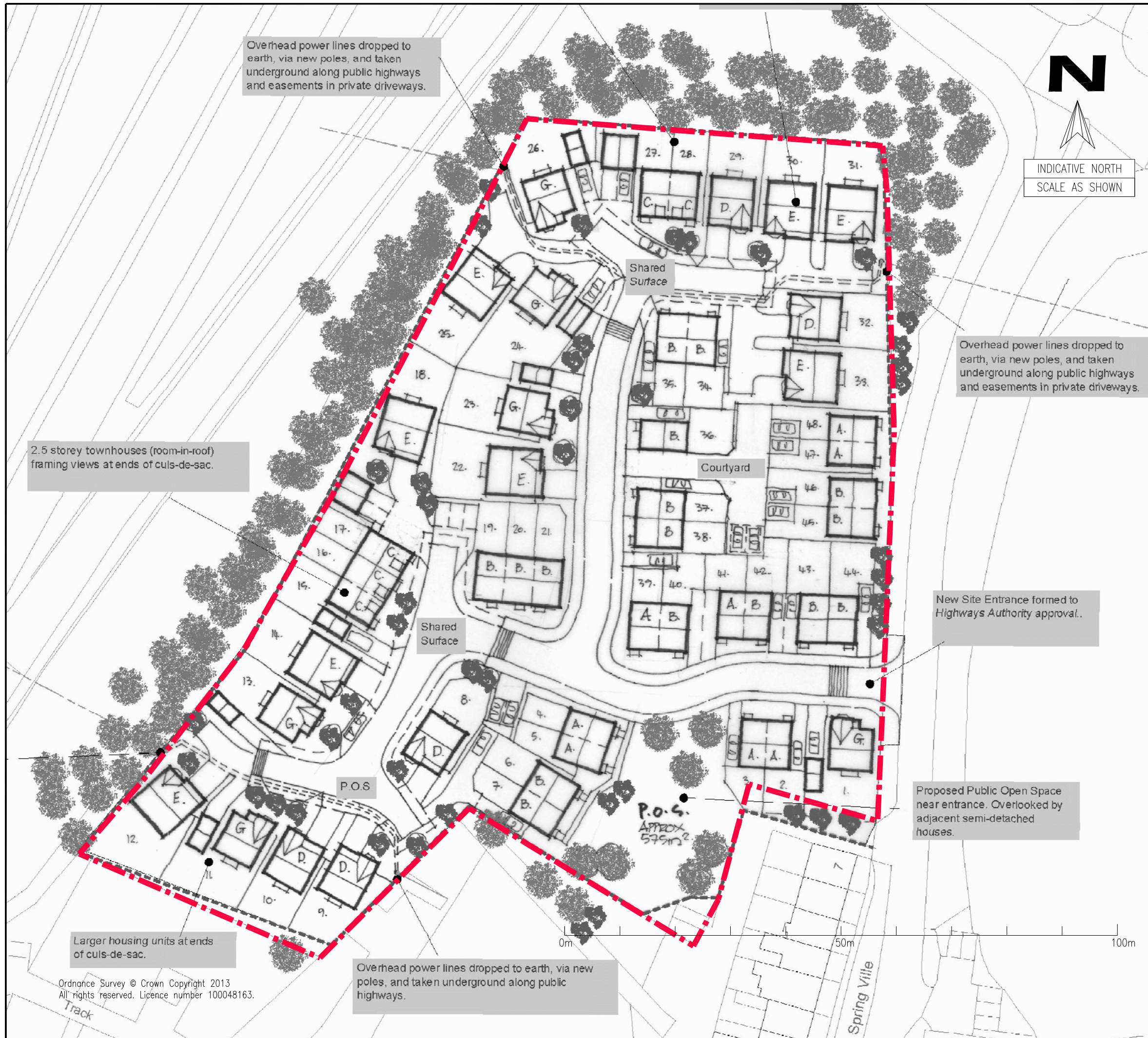
Client: **DYSART GROUP**

Project Title:  
Proposed Residential Development  
Land at Springville / Brock Lane  
East Sleekburn

Drawing Title:  
Proposed Development Layout Plan

Scale at A3: As Shown	Date: 13.11.13	Drawn by: P.D	Approved by: J.P.D
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Job Ref: 13-554	Drg no: -	Rev: -
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 web: www.arc-environmental.com

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**SITE WALKOVER OBSERVATIONS:**

- THE SITE IS AN AGRICULTURAL FIELD WHICH IS SITUATED TO THE NORTH OF ALLOTMENT GARDENS AND A RESIDENTIAL AREA
- THE SITE IS PREDOMINANTLY SURROUNDED BY RURAL LAND WHICH IS SEPARATED BY ROADS
- THE SITE IS GENERALLY LEVEL GROUND COMPRISING PREDOMINANTLY RURAL GRASSLAND
- THERE ARE NO ABOVE GROUND STRUCTURES PRESENT ON THE SITE
- AS THERE ARE NO EXISTING BUILDINGS, NO FOUNDATIONS ARE ANTICIPATED
- DURING THE SITE WALKOVER SURVEY, NO DRAINAGE COVERS WERE NOTED ACROSS THE SITE
- THERE ARE WOODEN 4 POLES SUPPORTING OVERHEAD ELECTRICAL CABLES
- THERE WAS A LARGE AMOUNT OF "HORSE MANURE" PRESENT TOWARDS THE NORTH OF THE SITE
- AN ARCHAEOLOGICAL WATCHING BRIEF MAY BE REQUIRED FOR THIS SITE.

rev.	date	amendments	drawn	chckd



Client:  
**DYSART DEVELOPMENTS**

Project Title:  
 Proposed Residential Development  
 Land at Springville / Brock Lane  
 East Sleekburn

Drawing Title:  
 Site Photographic Record Sheet (1)

Scale at A3: As Shown	Date: 13.11.13	Drawn by: P.D	Approved by: J.P.D
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Job Ref: 13-554	Drg no: -	Rev: -
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# **APPENDIX II**

## **Envirocheck Report**



# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

50356117\_1\_1

**Customer Reference:**

13-554

**National Grid Reference:**

428740, 583590

**Slice:**

A

**Site Area (Ha):**

1.42

**Search Buffer (m):**

1000

### Site Details:

Spring Ville  
East Sleekburn  
BEDLINGTON  
Northumberland  
NE22 7AZ

### 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	16
Hazardous Substances	-
Geological	18
Industrial Land Use	29
Sensitive Land Use	-
Data Currency	30
Data Suppliers	36
Useful Contacts	37

## Introduction

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

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

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## Report Version v47.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	15	7
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 7				16
Integrated Pollution Prevention And Control	pg 10				1
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 10				1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 10		Yes		
Pollution Incidents to Controlled Waters	pg 10		6		3
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 12				4
River Quality	pg 12		1		
River Quality Biology Sampling Points	pg 13			1	
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 13				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 13	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15		Yes	n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 16				2
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 16				3

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 18	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 18	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 27	Yes	n/a	n/a	n/a
Mining Instability	pg 27	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 28	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 28		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 28	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 28	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 28	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 29		1	2	3
Fuel Station Entries					



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

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Sleekburn East Cso, Sleekburn, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1272  Permit Version: 2  Effective Date: 2nd February 2008  Issued Date: 11th January 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Sleek Burn  <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>	A13SW (SW)	134	1	428640 583400
1	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Sleekburn East Cso, Sleekburn, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1272  Permit Version: 2  Effective Date: 2nd February 2008  Issued Date: 11th January 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Sleek Burn  <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>	A13SW (SW)	134	1	428640 583400
1	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Pumping Station - Water Company  Location: East Sleekburn Pumping Station, Blyth, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/0180  Permit Version: 1  Effective Date: 13th July 1985  Issued Date: 13th July 1985  Revocation Date: 1st February 2008  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Sleekburn  <b>Status: Revoked (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>	A13SW (SW)	151	1	428620 583390
2	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Sleekburn East Cso, Sleekburn, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1272  Permit Version: 1  Effective Date: 11th January 2005  Issued Date: 11th January 2005  Revocation Date: 1st February 2008  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NW (S)	263	1	428680 583260

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Sleekburn East Cso, Sleekburn, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/G/0148  Permit Version: 1  Effective Date: 29th July 1957  Issued Date: 29th July 1957  Revocation Date: 11th January 2005  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	263	1	428680 583260
3	<p><b>Discharge Consents</b></p> <p>Operator: Mr Peter Dougall  Property Type: Domestic Tip  Location: The Beeches, East Sleekburn, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/0952  Permit Version: 1  Effective Date: 18th December 1991  Issued Date: 18th December 1991  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Sleek Burn  <b>Status: New Consent, by Application (Water Resources Act 1991, Section 88)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13SE (SE)	284	1	429040 583400
4	<p><b>Discharge Consents</b></p> <p>Operator: Redundant - Northumbrian Water Ltd  Property Type: Sewerage Network - Pumping Station - Water Company  Location: East Sleekburn Pumping Station, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/D/0354  Permit Version: 1  Effective Date: 3rd November 1972  Issued Date: 3rd November 1972  Revocation Date: 21st January 1991  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A13SW (SW)	285	1	428500 583300
4	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Ltd  Property Type: Not Given  Location: Bedlington Sso, BEDLINGTON  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/D/0353/1226  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: 3rd November 1972  Revocation Date: Not Supplied  Discharge Type: Storm Sewage  Discharge: Tidal Waters  Environment:  Receiving Water: Sleek Burn  <b>Status: Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	285	1	428500 583300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Grange Park Sso, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/D/0356  Permit Version: 1  Effective Date: 3rd November 1972  Issued Date: 3rd November 1972  Revocation Date: 13th November 2000  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	285	1	428500 583300
5	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Barrington Park Ps., Front Street, East Sleekburn, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/0920  Permit Version: 1  Effective Date: 5th March 1990  Issued Date: 5th March 1990  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Pumping Station - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Sleek Burn  <b>Status: Transferred from Water Act 1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	361	1	428970 583230
6	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Grange Park Sso, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/D/0355  Permit Version: 1  Effective Date: 3rd November 1972  Issued Date: 3rd November 1972  Revocation Date: 21st January 2000  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A12NE (W)	377	1	428280 583600
7	<p><b>Discharge Consents</b></p> <p>Operator: Unknown,  Property Type: Sewage Disposal Works - Other  Location: Beeches, The, Bungalow, Bedlington, Northumberland, Ne22 7at  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/0917  Permit Version: 1  Effective Date: 14th August 1989  Issued Date: 14th August 1989  Revocation Date: 18th December 1991  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	391	1	429100 583300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p><b>Discharge Consents</b></p> <p>Operator: Unknown,  Property Type: Sewage Disposal Works - Other  Location: Beeches, The, Bungalow, Bedlington, Northumberland, Ne22 7at  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/0917  Permit Version: 1  Effective Date: 14th August 1989  Issued Date: 14th August 1989  Revocation Date: 18th December 1991  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	391	1	429100 583300
8	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Grange Park Sso, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1265  Permit Version: 1  Effective Date: 11th January 2005  Issued Date: 11th January 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: The Sleek Burn  <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>	A12NE (W)	428	1	428230 583610
8	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Grange Park Sso, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1170  Permit Version: 1  Effective Date: 21st January 2000  Issued Date: 21st January 2000  Revocation Date: 11th January 2005  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: The Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	428	1	428230 583610
9	<p><b>Discharge Consents</b></p> <p>Operator: Redundant - Northumbrian Water Ltd  Property Type: Sewerage Network - Pumping Station - Water Company  Location: East Sleekburn Sewage Pumping Stati, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/B/0272  Permit Version: 1  Effective Date: 8th October 1982  Issued Date: 8th October 1982  Revocation Date: 21st January 1991  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleek Burn  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	429	1	429200 583400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Stone Cottages, Sleekburn, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/0996  Permit Version: 1  Effective Date: 14th August 1992  Issued Date: 14th August 1992  Revocation Date: 16th January 2006  Discharge Type: Sewage Discharges - Unspecified - Water Company  Discharge: Saline Estuary  Environment:  Receiving Water: Sleek Burn Estuary  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	449	1	429200 583350
9	<p><b>Discharge Consents</b></p> <p>Operator: Redundant - Northumbrian Water Ltd  Property Type: Sewerage Network - Sewers - Water Company  Location: Stone Cottages, Sleekburn, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/X/0065  Permit Version: 1  Effective Date: 3rd April 1987  Issued Date: 9th April 1987  Revocation Date: 14th August 1992  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleekburn  <b>Status: Transferred from COPA 1974</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14SW (SE)	449	1	429200 583350
10	<p><b>Discharge Consents</b></p> <p>Operator: National Power Plc  Property Type: Sewage Disposal Works - Water Company  Location: Blyth Power Station, Cambois, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/0928  Permit Version: 1  Effective Date: 15th July 1991  Issued Date: 15th July 1991  Revocation Date: 11th May 1993  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Into And/Or Watercourse  Environment:  Receiving Water: Cow Gut (Blyth)  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A14NE (E)	725	1	429510 583800
11	<p><b>Discharge Consents</b></p> <p>Operator: Robinson Brothers Limited  Property Type: Basic Industry, Chemicals Organic  Location: Robinson Brothers Limited Cambois Industrial Estate, West Sleekburn, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/0984  Permit Version: 1  Effective Date: 7th April 1992  Issued Date: 7th April 1992  Revocation Date: 22nd January 2002  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Blyth Tributary  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19SW (NE)	803	1	429400 584200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p><b>Discharge Consents</b></p> <p>Operator: Robinson Brothers Limited  Property Type: Basic Industry, Chemicals Organic  Location: Robinson Brothers Limited Cambois Industrial Estate, West Sleekburn, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/0919  Permit Version: 1  Effective Date: 26th January 1990  Issued Date: 26th January 1990  Revocation Date: 7th April 1992  Discharge Type: Trade Discharges - Site Drainage  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Blyth, Tributary Of  <b>Status: Authorisation revokedRevoked</b>  Positional Accuracy: Located by supplier to within 10m</p>	A19SW (NE)	803	1	429400 584200
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Sewers - Water Company  Location: Welwyn Factory Cso, Bedlington, Northumberland  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1267  Permit Version: 2  Effective Date: 1st April 2008  Issued Date: 11th January 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleekburn  <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>	A12NW (W)	829	1	427850 583750
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Welwyn Factory Cso Wk32, Bedlington, Northumberland, Ne22 7aa  Authority: Environment Agency, North East Region  Catchment Area: Not Supplied  Reference: 226/1076  Permit Version: 2  Effective Date: 1st April 2008  Issued Date: 24th August 1995  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleekburn  <b>Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A12NW (W)	829	1	427850 583750
12	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewerage Network - Pumping Station - Water Company  Location: Welwyn Factory Cso Wk32, Bedlington, Northumberland, Ne22 7aa  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/1076  Permit Version: 1  Effective Date: 24th August 1995  Issued Date: 24th August 1995  Revocation Date: 31st March 2008  Discharge Type: Unspecified  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Sleekburn  <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>	A12NW (W)	829	1	427850 583750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	<p><b>Discharge Consents</b></p> <p>Operator: Northumbrian Water Limited  Property Type: Sewage Disposal Works - Water Company  Location: Blyth And Cramlington Sewage Works, Blyth  Authority: Environment Agency, North East Region  Catchment Area: Blyth/Pont  Reference: 226/0709  Permit Version: 2  Effective Date: 6th April 1990  Issued Date: 6th April 1990  Revocation Date: 7th August 2000  Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Blyth  <b>Status: Transferred from Water Act 1989</b>  Positional Accuracy: Located by supplier to within 10m</p>	A9NE (SE)	939	1	429530 582960
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Robinson Brothers Ltd  Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DH  Authority: Environment Agency, North East Region  Permit Reference: BH2260  Dated: 2nd November 1999  Process Type: IPC minor (non-substantial) variation to previous variation  Description: 4.2 A (F) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation revoked</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Robinson Brothers Ltd  Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DH  Authority: Environment Agency, North East Region  Permit Reference: BE4215  Dated: 24th November 1998  Process Type: IPC minor (non-substantial) variation to previous variation  Description: 4.2 A (F) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Robinson Brothers Ltd  Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DH  Authority: Environment Agency, North East Region  Permit Reference: BB0574  Dated: 28th April 1998  Process Type: IPC minor (non-substantial) variation to previous variation  Description: 4.2 A (F) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Robinson Brothers Ltd  Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DH  Authority: Environment Agency, North East Region  Permit Reference: BA6968  Dated: 9th March 1998  Process Type: IPC minor (non-substantial) variation to previous variation  Description: 4.2 A (F) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variation</b>  Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Robinson Brothers Ltd            Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DH            Authority: Environment Agency, North East Region            Permit Reference: AS5504            Dated: 8th September 1995            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (F) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Robinson Brothers Ltd            Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DH            Authority: Environment Agency, North East Region            Permit Reference: AK6519            Dated: 25th March 1994            Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation            Description: 4.2 A (F) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AN3915            Dated: 30th June 1994            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	977	1	429334 584486
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: BE5289            Dated: 24th November 1998            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	978	1	429329 584491
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: BB5401            Dated: 6th July 1998            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	978	1	429344 584481
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AS7345            Dated: 6th December 1995            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	979	1	429339 584486

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AK5270            Dated: 3rd March 1994            Process Type: IPC new application            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	981	1	429334 584491
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, PONTYPOOL, Gwent, NP4 5YH            Authority: Environment Agency, North East Region            Permit Reference: BA7689            Dated: 17th June 1998            Process Type: IPC major (substantial) variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	982	1	429329 584496
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: Synpac Pharmaceuticals Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: B10025            Dated: Not Supplied            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Application has met the requirements for authorisation (but not yet authorised)Not Yet Authorised</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	982	1	429344 584486
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AV6710            Dated: 10th June 1996            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	983	1	429339 584491
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AZ2139            Dated: 3rd July 1997            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	985	1	429334 584496
14	<p><b>Integrated Pollution Controls</b></p> <p>Name: V Fuels Ltd            Location: Cambois Trading Estate, Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AX5889            Dated: 17th January 1997            Process Type: IPC minor (non-substantial) variation to previous variation            Description: 4.2 A (D) Manufacture and use of Organic Chemicals within the Chemical Industry  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A19NW (NE)	988	1	429339 584496

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Integrated Pollution Prevention And Control</b></p> <p>Name: Arizona Chemical Ltd            Location: Bedlington Chemical Works, Cambois Industrial Estate, West Sleekburn, Northumberland, NE22 7DH            Authority: Environment Agency, North East Region            Permit Reference: BT0260IU            Original Permit Ref: Bt0260iu            Effective Date: 30th November 2006  <b>Status: Superseded By Variation</b>            Application Type: Application            App. Sub Type: New            Positional Accuracy: Manually positioned within the geographical locality            Activity Code: 4.1 A(1) (A) (VIII)            Activity Description: Organic Chemicals; Plastic Materials Eg Polymers            Primary Activity: Y</p>	A23SE (N)	998	1	429046 584637
16	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Aggregate Industries Ltd            Location: Brock Lane, West Sleekburn, BEDLINGTON, Northumberland, NE22 7AT            Authority: Northumberland Council, Environmental Health Department            Permit Reference: LAPPC W10/2005            Dated: 8th June 2005            Process Type: Local Authority Pollution Prevention and Control            Description: PG3/1Blending, packing, loading and use of bulk cement  <b>Status: Permitted</b>            Positional Accuracy: Located by supplier to within 10m</p>	A17SE (NW)	623	2	428292 584114
	<p><b>Nearest Surface Water Feature</b></p>	A13SW (SW)	88	-	428585 583483
17	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Highway/Car Park            Location: A189 Road Bridge            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Sleekburn            Incident Date: 4th December 1990            Incident Reference: 225/000402            Catchment Area: Not Given            Receiving Water: No Pollution            Cause of Incident: Transport Accident (Not Oil)            Incident Severity: Category 2 - Significant Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	66	1	428600 583500
18	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Miscellaneous Premises: Unknown            Location: EAST SLEEKBURN            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Sleek Burn            Incident Date: 12th October 1991            Incident Reference: 226/000909            Catchment Area: Not Given            Receiving Water: Saline Estuary            Cause of Incident: Unknown            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13SW (S)	122	1	428700 583400
19	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Other General Premises            Location: EAST SLEEKBURN            Authority: Environment Agency, North East Region            Pollutant: Not Given            Note: Sleekburn            Incident Date: 2nd December 1993            Incident Reference: 226/002168            Catchment Area: Not Given            Receiving Water: No Pollution            Cause of Incident: Other Agricultural            Incident Severity: Category 3 - Minor Incident            Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	150	1	428600 583400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Blyth Powerstation, BLYTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Sleek Burn Incident Date: 14th September 1992 Incident Reference: 226/001520 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Other Industrial Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	157	1	428500 583500
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Surface Water Sewers Location: EAST SLEEKBURN Authority: Environment Agency, North East Region Pollutant: Not Given Note: Sleek Burn Incident Date: 29th April 1991 Incident Reference: 226/000600 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Other Oil Incident Severity: Category 1 - Major Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	207	1	428500 583400
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Miscellaneous Premises: Unknown Location: Spine Road, BLYTH Authority: Environment Agency, North East Region Pollutant: Not Given Note: Sleekburn Incident Date: 10th February 1993 Incident Reference: 226/001721 Catchment Area: Not Given Receiving Water: Saline Estuary Cause of Incident: Other Oil Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	242	1	428600 583300
23	<b>Pollution Incidents to Controlled Waters</b> Property Type: Road Location: Adjacent To Blyth Power Station Authority: Environment Agency, North East Region Pollutant: Oils - Petrol Note: Pollution Found; No Fish Killed Incident Date: 23rd November 1996 Incident Reference: NN960204 Catchment Area: Blyth Receiving Water: Saline Estuary Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	805	1	429600 583500
24	<b>Pollution Incidents to Controlled Waters</b> Property Type: Surface Water Sewers Location: Opposite Glaxo Authority: Environment Agency, North East Region Pollutant: Not Given Note: Wansbeck Tributary Incident Date: 9th April 1991 Incident Reference: 225/000564 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Private Surface Water Overflow Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	922	1	429200 584500
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Industrial Premises Location: Bedlington Station, BEDLINGTON Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 12th July 1994 Incident Reference: 226/002310 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11SE (W)	953	1	427700 583500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
26	<p><b>Registered Radioactive Substances</b></p> <p>Name: V Fuels Ltd            Location: Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: Bi8646            Dated: 18th September 2000            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Minor variation to authorisation under RSA  <b>Status: Authorisation either revoked or cancelledCancelled</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	972	1	429334 584481
26	<p><b>Registered Radioactive Substances</b></p> <p>Name: V Fuels Ltd            Location: Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: Bi8662            Dated: 4th August 2000            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)</p> <p>Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation  <b>Status: Authorisation either revoked or cancelledCancelled</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	972	1	429334 584481
26	<p><b>Registered Radioactive Substances</b></p> <p>Name: V Fuels Ltd            Location: Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AT7065            Dated: 15th November 1995            Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7)</p> <p>Description: Authorisation under RSA  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	972	1	429334 584481
26	<p><b>Registered Radioactive Substances</b></p> <p>Name: V Fuels Ltd            Location: Cambois, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DB            Authority: Environment Agency, North East Region            Permit Reference: AT6379            Dated: 15th November 1995            Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1)</p> <p>Description: Registration under the Act of an open source which is also the subject of an authorisation  <b>Status: Authorisation superseded by a substantial or non substantial variationSuperseded</b>            Positional Accuracy: Manually positioned to the address or location</p>	A19NW (NE)	972	1	429334 584481
	<p><b>River Quality</b></p> <p>Name: Not Supplied            GQA Grade: Unclassified Tidal River            Reach: Not Supplied            Estimated Distance (km): Not Supplied            Flow Rate: Not Supplied            Flow Type: Not Supplied            Year: 1995</p>	A13SW (SW)	184	1	428530 583402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
27	<b>River Quality Biology Sampling Points</b> Name: Sleek Burn Reach: Hepscoth Burn To Tidal Limit Estimated Distance: 9.70 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 Not Supplied Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good 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 D - Fair Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A12NE (W)	485	1	428180 583650
	<b>Water Abstractions</b> Operator: National Power Plc Licence Number: 1/22/06/015 Permit Version: 100 Location: River Blyth Authority: Environment Agency, North East Region Abstraction: Production of Energy: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): 2704870 Yearly Rate (m3): 943295000 Details: Blyth 'A' And 'B' Power Stations, Northumberland. Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 6th December 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1787	1	430550 583200
	<b>Water Abstractions</b> Operator: National Power Plc Licence Number: 1/22/06/015 Permit Version: 100 Location: River Blyth Authority: Environment Agency, North East Region Abstraction: Production of Energy: General Cooling (Existing Licences Only) (Low Loss) Abstraction Type: Water may be abstracted from a single point Source: Tidal Daily Rate (m3): 2704870 Yearly Rate (m3): 943295000 Details: Blyth 'A' And 'B' Power Stations, Northumberland. Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 6th December 1990 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(E)	1843	1	430620 583280
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 2 Coastal Northumberland Scale: 1:100,000	A13SE (NE)	0	1	428737 583594
	<b>Drift Deposits</b> Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 2 Coastal Northumberland Scale: 1:100,000	A13SE (NE)	0	1	428737 583594
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A13SE (NE)	0	3	428737 583594



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A13SE (NE)	0	3	428737 583594
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	70	1	428608 583486
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	113	1	428578 583456
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	114	1	428560 583474
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	117	1	428552 583480
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	120	1	428546 583484
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (S)	126	1	428658 583402
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	127	1	428535 583490
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	132	1	428529 583494
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	172	1	428750 583358
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	180	1	428782 583352
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	186	1	428794 583349
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	188	1	428620 583350
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	195	1	428612 583346
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	197	1	428815 583341
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	206	1	428601 583338
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	211	1	428833 583332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (S)	215	1	428839 583329
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	218	1	428434 583530
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	221	1	428588 583328
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SE (SE)	245	1	428870 583310
	<b>Extreme Flooding from Rivers or Sea without Defences</b> Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (W)	246	1	428406 583534
	<b>Flooding from Rivers or Sea without Defences</b> Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Tidal Models Boundary Accuracy: As Supplied	A13SW (SW)	74	1	428628 583464
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 67341            Location: Cambois Industrial Estate, West Sleekburn, Bedlington, Northumberland, NE22 7DD            Operator Name: Robinson Brothers ( Newcastle ) Ltd            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, North East Area            Site Category: Special Waste Transfer Stations  <b>Licence Status: Surrendered</b>            Issued: 9th June 1989            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 1st May 1994            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
28	<p><b>Licensed Waste Management Facilities (Locations)</b></p> <p>Licence Number: 67303            Location: Cambois Industrial Estate, West Sleekburn, Bedlington, Northumberland, NE22            Operator Name: Robinson Brothers ( Newcastle ) Ltd            Operator Location: Not Supplied            Authority: Environment Agency - North East Region, North East Area            Site Category: Incinerators  <b>Licence Status: Surrendered</b>            Issued: 8th April 1981            Last Modified: Not Supplied            Expires: Not Supplied            Suspended: Not Supplied            Revoked: Not Supplied            Surrendered: 1st May 1994            IPPC Reference: Not Supplied            Positional Accuracy: Located by supplier to within 100m</p>	A19NW (NE)	970	1	429300 584500
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Wansbeck District Council            - Has supplied landfill data</p>		0	9	428737 583594
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Northumberland County Council            - Has supplied landfill data</p>		0	8	428737 583594
29	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: Robinson Bros. (Newcastle)            Licence Reference: Nbl 042 ( N 42)            Site Location: Cambois Industrial Estate, West Sleekburn, Bedlington, Northumberland            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Incineration - with heat recovery            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: Some restriction on source of waste            Restrictions:            Licence Status: Site now IPC authorised            Dated: 1st June 1992            Preceded By: N 42            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Quality: Not Supplied            Authorised Waste            35 Sec Gasoil            Alcohols            Aldehydes And Ketones            Aliphatic Hydrocarbons            Amines            Aromatic Hydrocarbons            Distillation Residues            Esters            Fungicides            Hydrogen Sulphide In Air            Organosulphur Cmpds            Pharmaceuticals</p>	A19NW (NE)	914	1	429320 584420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: Robinson Bros. (Newcastle)            Licence Reference: N 42            Site Location: Cambois Industrial Estate, West Sleekburn, Bedlington, Northumberland            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Incineration - with heat recovery            Max Input Rate: Undefined            Waste Source: Some restriction on source of waste            Restrictions:            Licence Status: Record supersededSuperseded            Dated: 8th April 1981            Preceded By: Not Given            Licence:            Superseded By: Nbl 042 (N 42)            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Quality: Not Supplied            Authorised Waste              Amines And Derivatives              Chlorinated Solvents              General Solvents              Mercaptans And Associated Compounds              Org Distillation Residues And Oils              Organic Esters And Derivatives              Waste Gas              Waste Oils              Waste Organic Chemicals            Environment Agency Waste N.O.S            must give specific authorisation for this waste to be acceptedWaste requires prior approval</p>	A19NW (NE)	914	1	429320 584420
30	<p><b>Registered Waste Treatment or Disposal Sites</b></p> <p>Licence Holder: Robinson Bros (Newcastle) Ltd            Licence Reference: Nbl 085 (N 85)            Site Location: Cambois Industrial Estate, West Sleekburn, BEDLINGTON, Northumberland, NE22 7DD            Operator Location: As Site Address            Authority: Environment Agency - North East Region, Northumbria Area            Site Category: Storage            Max Input Rate: Undefined            Waste Source: Only waste produced on site            Restrictions:            Licence Status: Site now IPC authorisedAuthorised            Dated: 9th June 1989            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              Waste Caustic Scrubber Liquor              Waste Hydrochloric Acid              Waste In Effluent Plant Balance Tanks              Waste In Process Shed Sumps</p>	A19NW (NE)	970	1	429300 584500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Westphalian Coal Measures	A13SE (NE)	0	3	428737 583594
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (NE)	0	4	428737 583594
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SW (SW)	82	4	428616 583466
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 30 - 45 mg/kg	A13SE (SE)	99	4	428807 583441
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	121	4	428558 583465
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (S)	167	4	428762 583362
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SE (E)	200	4	429000 583594

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (S)	201	4	428791 583332
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13SE (E)	203	4	429000 583546
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A13SE (SE)	239	4	428870 583316
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13SE (S)	243	4	428741 583276
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A13NW (N)	269	4	428616 583919
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A18SE (N)	297	4	428768 583969

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A18SE (N)	326	4	428737 584000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SW (N)	329	4	428627 583986
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SE (N)	335	4	428854 584000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SW (N)	355	4	428593 584000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	368	4	429000 583241
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A18SE (NE)	387	4	429000 584000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	395	4	429000 583209
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (SE)	433	4	429091 583229
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A18SE (NE)	434	4	429000 584054
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	450	4	429000 583146
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A8NW (S)	522	4	428675 583000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (S)	522	4	428737 583000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12NE (W)	546	4	428132 583706
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A12NE (W)	558	4	428121 583712
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A12NE (W)	572	4	428099 583690
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NW (SE)	575	4	429282 583239
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A8NE (SE)	581	4	429000 583000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A17SE (NW)	586	4	428246 584000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NW (S)	595	4	428646 582927
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SW (S)	631	4	428641 582892
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	652	4	428000 583534
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (W)	652	4	428000 583594
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A7NE (SW)	654	4	428285 583000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	675	4	428855 582863



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	695	4	428000 583781
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	700	4	429000 582871
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (S)	734	4	429000 582836
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	763	4	428114 583000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (S)	770	4	429000 582798
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	788	4	429497 583185

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A17SW (NW)	798	4	428000 584000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A7NW (SW)	803	4	428000 583072
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NW (SW)	825	4	428000 583035
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NW (SW)	847	4	428000 583000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A7NW (SW)	876	4	427922 583057
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: Sediment</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A9NE (SE)	890	4	429499 583000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	904	4	429516 583000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	910	4	427920 583000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	948	4	427836 584022
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A18NE (N)	954	4	429000 584603
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A23SE (N)	954	4	428953 584613
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	957	4	427813 584000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	965	4	429592 583000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A23SE (N)	989	4	428961 584646
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A23SE (N)	989	4	429000 584638
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A17SW (NW)	992	4	427779 584012
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (W)	993	4	427660 583622
	<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.	A13SE (NE)	0	5	428737 583594
	<b>Mining Instability</b> Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SE (NE)	0	-	428737 583594
	<b>Non Coal Mining Areas of Great Britain</b> No Hazard				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	3	428737 583594
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	82	3	428617 583466
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	3	428737 583594
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	82	3	428617 583466
	<b>Potential for Ground Dissolution Stability Hazards</b> No Hazard				
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	3	428737 583594
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	168	3	428762 583361
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	169	3	428778 583362
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	240	3	428871 583316
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	3	428737 583594
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	82	3	428617 583466
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	201	3	428791 583332
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	3	428737 583594
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	240	3	428871 583316
	<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	A13SE (NE)	0	3	428737 583594
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13SE (NE)	0	3	428737 583594



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Keith Richards            Location: 8, South View, East Sleekburn, Bedlington, Northumberland, NE22 7AY            Classification: Road Marking &amp; Surfacing Equipment &amp; Material Manufacturers  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A13SE (S)	57	-	428731 583478
32	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aggregate Industries (Uk) Ltd            Location: West Sleekburn, Bedlington, Northumberland, NE22 7BY            Classification: Concrete Products  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	470	-	428597 584124
32	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Aggregate Industries (Uk) Ltd            Location: West Sleekburn, Bedlington, Northumberland, NE22 7BY            Classification: Concrete Products  <b>Status: Inactive</b>            Positional Accuracy: Automatically positioned to the address</p>	A18SW (N)	470	-	428597 584124
33	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Century Catering Equipment            Location: 35, Grange Park Avenue, Bedlington, Northumberland, NE22 7EG            Classification: Catering Equipment - Servicing &amp; Repairs  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A12SE (W)	566	-	428114 583367
34	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Carpet Doctor            Location: East View, Bedlington, Northumberland, NE22 7HD            Classification: Carpet, Curtain &amp; Upholstery Cleaners  <b>Status: Inactive</b>            Positional Accuracy: Manually positioned to the road within the address or location</p>	A7NW (SW)	787	-	427980 583132
35	<p><b>Contemporary Trade Directory Entries</b></p> <p>Name: Blyth Star Enterprises Ltd            Location: Sleekburn Business Centre, West Sleekburn, Bedlington, Northumberland, NE22 7DD            Classification: Manufacturers  <b>Status: Active</b>            Positional Accuracy: Automatically positioned to the address</p>	A19NW (NE)	887	-	429325 584383

Agency & Hydrological	Version	Update Cycle
<b>Contaminated Land Register Entries and Notices</b> Northumberland Council - Environmental Health Department Blyth Valley Borough Council (now part of Northumberland Council) - Environmental Health Department Castle Morpeth Borough Council (now part of Northumberland Council) - Environmental Health Department Wansbeck District Council (now part of Northumberland Council) - Environmental Health Department	November 2012 October 2009 October 2009 October 2009	Annually Not Applicable Not Applicable Not Applicable
<b>Discharge Consents</b> Environment Agency - North East Region	July 2013	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	July 2013	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Blyth Valley Borough Council (now part of Northumberland Council) - Environmental Health Department Wansbeck District Council (now part of Northumberland Council) - Economic and Environment Services Northumberland Council - Environmental Health Department Castle Morpeth Borough Council (now part of Northumberland Council) - Environmental Health Department	December 2008 May 2009 October 2012 September 2008	Not Applicable Not Applicable Annually Not Applicable
<b>Local Authority Pollution Prevention and Controls</b> Blyth Valley Borough Council (now part of Northumberland Council) - Environmental Health Department Wansbeck District Council (now part of Northumberland Council) - Economic and Environment Services Northumberland Council - Environmental Health Department Castle Morpeth Borough Council (now part of Northumberland Council) - Environmental Health Department	December 2008 May 2009 October 2012 September 2008	Not Applicable Not Applicable Annually Not Applicable
<b>Local Authority Pollution Prevention and Control Enforcements</b> Blyth Valley Borough Council (now part of Northumberland Council) - Environmental Health Department Wansbeck District Council (now part of Northumberland Council) - Economic and Environment Services Northumberland Council - Environmental Health Department Castle Morpeth Borough Council (now part of Northumberland Council) - Environmental Health Department	December 2008 May 2009 October 2012 September 2008	Not Applicable Not Applicable Annually Not Applicable
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North East Region	December 1998	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North East Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North East Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - North East Region	July 2013	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2013 July 2013	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North East Region	July 2013	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North East Region	July 2013	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Source Protection Zones</b> Environment Agency - Head Office	July 2013	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	August 2013	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	August 2013	Quarterly

Waste	Version	Update Cycle
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2013 July 2013	Quarterly Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North East Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	July 2013 July 2013	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North East Region - North East Area Environment Agency - North East Region - Northumbria Area	April 2013 April 2013	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Blyth Valley Borough Council (now part of Northumberland Council) - Environmental Health Department Castle Morpeth Borough Council (now part of Northumberland Council) - Environmental Health Department Northumberland County Council (now part of Northumberland Council) Wansbeck District Council (now part of Northumberland Council) - Economic and Environment Services	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Blyth Valley Borough Council (now part of Northumberland Council) - Environmental Health Department Castle Morpeth Borough Council (now part of Northumberland Council) - Environmental Health Department Northumberland County Council (now part of Northumberland Council) Wansbeck District Council (now part of Northumberland Council) - Economic and Environment Services	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North East Region - Northumbria Area	March 2003	Not Applicable













Hazardous Substances	Version	Update Cycle
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	August 2013	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	March 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Castle Morpeth Borough Council (now part of Northumberland Council) - Planning Department Wansbeck District Council (now part of Northumberland Council) Northumberland County Council (now part of Northumberland Council) - Minerals Waste and Development Control Blyth Valley Borough Council (now part of Northumberland Council) Northumberland Council - Planning Department	August 2009  February 2009 October 2008  October 2008 October 2013	Not Applicable  Not Applicable Annual Rolling Update  Not Applicable Annually
<b>Planning Hazardous Substance Consents</b> Castle Morpeth Borough Council (now part of Northumberland Council) - Planning Department Wansbeck District Council (now part of Northumberland Council) Northumberland County Council (now part of Northumberland Council) - Minerals Waste and Development Control Blyth Valley Borough Council (now part of Northumberland Council) Northumberland Council - Planning Department	August 2009  February 2009 October 2008  October 2008 October 2013	Not Applicable  Not Applicable Annual Rolling Update  Not Applicable Annually



Geological	Version	Update Cycle
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Variable
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2013	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	January 2012	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	As notified
<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	August 2013	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	August 2013	Quarterly

Sensitive Land Use	Version	Update Cycle
<b>Areas of Adopted Green Belt</b> Blyth Valley Borough Council (now part of Northumberland Council) Castle Morpeth Borough Council (now part of Northumberland Council) - Planning Department	August 2013 August 2013	As notified As notified
<b>Areas of Unadopted Green Belt</b> Blyth Valley Borough Council (now part of Northumberland Council) Castle Morpeth Borough Council (now part of Northumberland Council) - Planning Department Wansbeck District Council (now part of Northumberland Council)	August 2013 August 2013 August 2013	As notified As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	July 2013	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Parks</b> Natural England	July 2013	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2013	Annually
<b>Ramsar Sites</b> Natural England	July 2013	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	July 2013	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	July 2013	Bi-Annually
<b>Special Protection Areas</b> Natural England	July 2013	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 <p><b>British Geological Survey</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Centre for Ecology and Hydrology	 <p><b>Centre for Ecology &amp; Hydrology</b> NATURAL ENVIRONMENT RESEARCH COUNCIL</p>
Countryside Council for Wales	 <p>CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES</p>
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	<b>Northumberland Council - Environmental Health Department</b> County Hall, Morpeth, Northumberland, NE61 2EF	Telephone: 0845 600 6400 Email: ask@northumberland.gov.uk Website: www.northumberland.gov.uk
3	<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
4	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmark.co.uk Website: www.landmarkinfo.co.uk
5	<b>The Coal Authority - Mining Report Service</b> 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
6	<b>Natural England</b> Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	<b>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)</b> Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
8	<b>Northumberland County Council (now part of Northumberland Council)</b> County Hall, Morpeth, Northumberland, NE61 2EF	Telephone: 01670 533000 Fax: 01670 534160 Website: www.northumberland.gov.uk
9	<b>Wansbeck District Council (now part of Northumberland Council) - Economic and Environment Services</b> Council Offices, Front Street, Bedlington, Northumberland, NE22 5TU	Telephone: 01670 530033 Fax: 01670 530278 Website: www.wansbeck.gov.uk
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

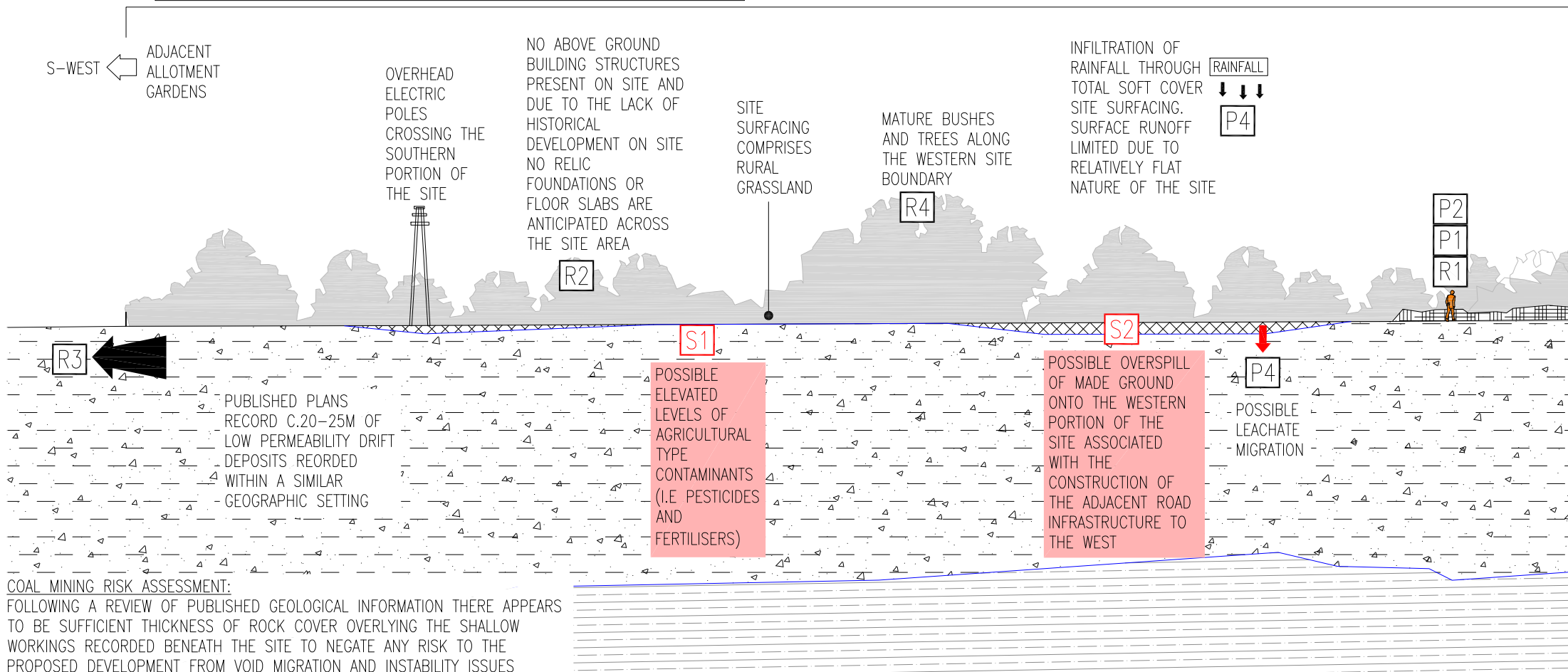
Please note that the Environment Agency / SEPA have a charging policy in place for enquiries.

# **APPENDIX III**

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

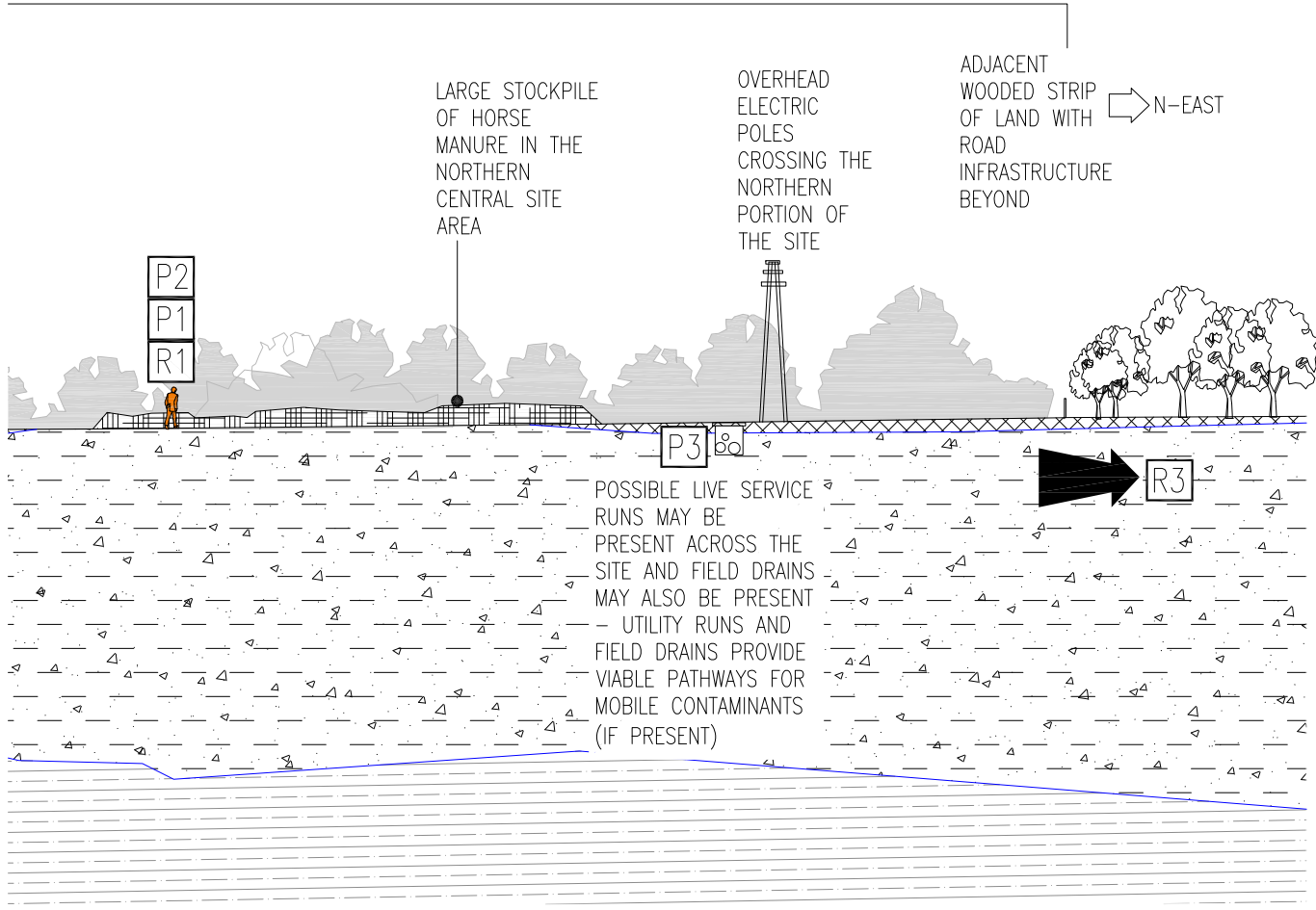


INDICATIVE SECTION THROUGH SITE USING AN APPROXIMATE SW-NE ORIENTATION



STRATA DETAILS

- MADE GROUND:** PUBLISHED BGS DATA INDICATES AN ABSENCE OF MADE GROUND ON OR IMMEDIATELY ADJACENT TO THIS SITE. HOWEVER, SOME MADE GROUND IS ANTICIPATED TO BE PRESENT, ADJACENT TO THE WEST OF THE SITE DUE TO THE CONSTRUCTION OF THE ADJACENT A189
- DRIFT DEPOSITS:** BGS PLANS INDICATE THAT THE DRIFT DEPOSITS UNDERLYING SITE IS SHOWN TO BE GLACIAL TILL OR "BOULDER CLAY", WHICH TYPICALLY COMPRISES FIRM TO STIFF CLAY AND SILTY CLAY, COMMONLY INTERBEDDED WITH SAND AND GRAVEL-RICH LENSES. ADJACENT BGS BOREHOLE RECORDS AND DRIFT THICKNESS CONTOURS ON THE TECHNICAL REPORT INDICATE THE DEPTH OF DRIFT BELOW THE SITE IS IN THE ORDER OF 20M TO 25M, INCREASING TO THE NORTH
- SOLID GEOLOGY:** FROM PUBLISHED GEOLOGICAL PLANS, THE SOLID GEOLOGY UNDERLYING THE SITE IS SHOWN TO COMPRISE THE MIDDLE COAL MEASURES FORMATION (MCM) DEPOSITED DURING THE PERIOD OF THE EARTH'S HISTORY KNOWN AS THE UPPER CARBONIFEROUS. SOLID DEPOSITS COMPRISING OF MUDSTONE ARE NOTED AT "ROCK-HEAD"



**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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CRITICAL POLLUTANT LINKAGES

- SOURCE**
1. AGRICULTURAL USES (PESTICIDES, FERTILISERS)
  2. LIMITED MADE GROUND TO WEST OF SITE
- PATHWAY**
1. INGESTION
  2. INHALATION OF INDOOR / OUTDOOR AIR
  3. MIGRATION THROUGH EXISTING SERVICES
  4. SURFACE RUN OFF AND LEACHATE MIGRATION
- RECEPTOR**
1. HUMAN HEALTH (END USERS AND CONSTRUCTION WORKERS)
  2. BUILDING MATERIALS\*
  3. ADJACENT SITES
  4. FLORA AND FAUNA\*

rev.	date	amendments	drawn	chckd

Client:  
**DYSART DEVELOPMENTS**

Project Title:  
 Proposed Residential Development  
 Land at Springville / Brock Lane  
 East Sleekburn

Drawing Title:  
 Conceptual Site Model

Scale at A3: As Shown	Date: 13.11.13	Drawn by: P.D	Approved by: J.P.D
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Job Ref: 13-554	Drg no: -	Rev: -
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# **APPENDIX IV**

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

# The COAL AUTHORITY

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG

Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

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

Our reference: **51000396442001**  
Your reference: **50356117\_2|**  
Date of your enquiry: **25 October 2013**  
Date we received your enquiry: **25 October 2013**  
Date of issue: **25 October 2013**

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

## Non-Residential Coal Authority Mining Report

### SITE AT SPRING VILLE, EAST SLEEKBURN, BEDLINGTON, NORTHUMBERLAND,

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

Coal mining	See comments below
Brine Compensation District	No

### *Information from the Coal Authority*

#### Underground coal mining

##### **Past**

The property is in the likely zone of influence from workings in 6 seams of coal at 60m to 230m depth, and last worked in 1968.

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

##### **Present**

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

##### **Future**

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

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

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

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

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

#### **Mine entries**

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

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

### **Coal mining geology**

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

### **Opencast coal mining**

#### **Past**

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

#### **Present**

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

#### **Future**

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

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

### **Coal mining subsidence**

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

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

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

### **Mine gas**

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

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

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

### **Withdrawal of support**

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

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

### **Working facilities orders**

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

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

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

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

The property lies outside the Cheshire Brine Compensation District.

***Additional Remarks***

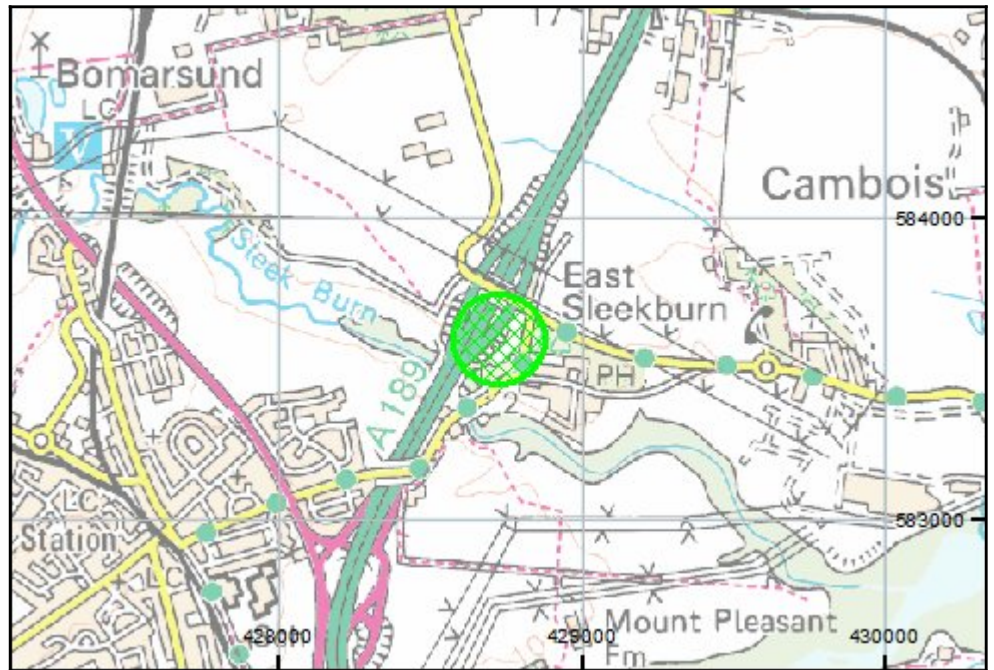
This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our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



## Location map



Approximate position of property



## Enquiry boundary

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## Key

Approximate position of enquiry boundary shown

