New Lodge Site, Athersley, Barnsley

Desk Study Report

Morgan Ashurst PLC

Solmek Report Number S80818

September 2008

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New Lodge Site, Athersley, Barnsley

Desk Study Report

1 INTRODUCTION AND SCOPE OF WORKS

1.1 Solmek were instructed by Paul Jennings of WSP on behalf of Morgan Ashurst PLC to undertake a desk study on a parcel of land at New Lodge in Athersley, Barnsley.

1.2 The following steps may be required in the investigation and remediation of potentially contaminated land:

- Phase 1: Desk Study
- Phase 2: Intrusive Investigation
- Phase 3: Remediation Statement
- Phase 4: Validation Reports

1.3 Phases 1 and 2 are generally required in the redevelopment of most sites. Phases 3 and 4 are subject to the findings of the initial stages. This report represents Phase 1 of the site investigation.

1.4 The purpose of this desk study is to evaluate the ground conditions of the site based on existing information and to plan the scope of the subsequent investigation. The objectives and planned outcomes of the desk study are:

- to assess the impact of local authority guidance on the investigation
- to identify existing features on and near the site
- to evaluate the historical and environmental setting of the site
- to assess the likelihood of finding contamination, its nature and extent
- to identify associated key contaminants
- to identify sensitive receptors and define source – pathway – receptor relationships (conceptual model)
- to identify relevant geotechnical parameters
- to assess any potential sources of ground gas
- to refine the design and scope of the proposed intrusive investigation (if necessary)
- to identify constraints to the investigation, i.e. site access and health and safety considerations

1.5 This assessment has been undertaken with due regard to contaminated land guidance, issued by the Royal Institution of Chartered Surveyors (RICS) and BS 10175: 2001, *"Code of Practice for the Investigation of Potentially Contaminated Land"*. Selected elements of BS 5930: 1999, *"Code of Practice for Site Investigations"* has also been included.

2 REGULATORY AND PLANNING CONTEXT

2.1 The Town and Country Planning Regime is the principal means by which contamination is dealt with by the Local Authority. Contaminated land is a material planning consideration and contamination assessments are required on land that may be potentially contaminated.

2.2 The Buildings Regulations (2000) also state that *"precautions shall be taken to avoid danger to health and safety caused by substances found on or in the ground covered by the building"*. A site investigation is frequently required to satisfy the requirements of building control.

3 SITE DESCRIPTION

3.1 The preliminary site inspection, as recommended in BS 5930 and BS 10175, was undertaken on Tuesday 2nd September 2008. The site is located to the north of Barnsley, South Yorkshire and forms part of New Lodge housing estate, to the west of Wakefield Road (A61). A site location map and selected plates are presented in Appendix 1. The site is centred at the approximate Ordnance Survey Co-ordinates 434410E, 409240N and covers an area of approximately 1.61ha.

3.2 At the time of the walkover survey the site comprised a large expanse of grass covered public open space (Plates 1 and 2). Some areas of the site consisted of low grassed mounds, especially within the north eastern third. These could be the remnants of former structures on the site; areas of exposed concrete were also noted along the eastern margins. A low wooden post and metal bar fence runs along the southern, northern and partly along the eastern boundary.

3.3 The grassed area extends westwards towards a high stone wall beyond which lies Wensley Park care home. To the south west and north west the grassed area extends to a series of semi detached properties (Plate 3 and 4).

3.4 The site is bound by three roads, Wensley Road to the south composed of concrete, Wakefield Road to the east (currently a tarmac bus lane) and concrete surfaced Langsett Road to the north. The surrounding land use comprises housing to the north, south and west with shops, businesses and housing to the east beyond Wakefield Road.

3.5 A mine shaft is conjectured to lie along the southern margin of the site near to Wensley Road (Plate 3). The walkover indicated no obvious presence of the mine cap. See section 6 for further details.

4 SITE HISTORY

4.1 In order to determine the history of the site, previous editions of Historical Maps and Ordnance Survey Plans were inspected. Selected map extracts are presented in Appendix 2.

4.2 Table 1 presents a summary of the history of the site from 1854-1855 to 2008. The summary focuses on the historical land uses and changes relevant to the site and the proposed end use.

OS MAP	SCALE	ON SITE FEATURES	OFF SITE FEATURES
1854-1855	1:10,560	The site appears to contain a number of small buildings named 'New Lodge'.	The immediate surrounding land lies undeveloped, with Stand Hill located to the south west. Dearne Side Colliery is visible approx. 850m west of the site.
1892-1893	1:2,500	The buildings are concentrated to the west of the site. An inferred water feature is shown to the north east of the site with an internal island.	Section of a railway line visible approx. 280m to the south west.
1918-1931	1:2,500	No changes noted to the site.	East Gawber Sewage Works is located to the south east.
1938	1:10,560	No changes.	New housing can be seen to the north east and east. To the south east is an engineering works and beyond a colliery. Wharncliffe Woodmoor Colliery is shown over 1km east of the site.

1959	1:1,250	The majority of the site has been cleared and appears to be used as open public space. The inferred water feature has been infilled. A lavatory is labelled on the north east boundary.	The main 'New Lodge' building appears to be the only one left standing just outside the south western site boundary. The site is surrounded on all sides by semi-detached residential housing.
1965-1966	1:10,560	No changes apparent.	No significant changes noted to the immediate surroundings.
1970-1977	1:1,250	Housing and residential flats are now present along the north west and south eastern boundaries. To the north east is a community centre. The centre of the site remains undeveloped. New Lodge has been slightly extended.	No significant changes noted to the immediate surroundings. Railway line to the south west has been dismantled.
1983-1984	1:10,000	No changes noted to the site.	Inferred large spoil heap or tip can be seen to the south west beyond the former railway line.
1993	1:1,250	New Lodge is named as a nursing home and has undergone extension work.	No significant changes noted to the immediate surroundings.
2008	1:10,000	No changes.	Site generally lies within a residential setting.

TABLE 1: SUMMARY OF THE SITE HISTORY

4.3 The site was initially occupied by 'New Lodge' with associated outbuildings and an inferred pond until 1959 map edition. Since then the site was largely undeveloped open space within a housing estate. Housing, residential flats and a community centre were constructed around the site perimeter by 1970. The site is now known to have been cleared of all structures.

4.4 The immediate surrounding land has seen mainly residential activity over time. Within 1km of the site have been a number of collieries. Due to the age of some of the historical map extracts, not all land features may have been identified.

5 ENVIRONMENTAL CONTEXT

5.1 The services of Envirocheck were used to establish the pertinent environmental records relating to the site. This information, which is presented in Appendix 3, replaces much of the information traditionally provided by the Environment Agency. Selected relevant information is summarised as follows. Measurements are taken from the centre of the two sites and all distances quoted are approximate.

Landfill and Waste

5.2 There are a number of sites dealing with waste within 1km; however none are located within 500m. The closest site is a BGS landfill 511m south along Smithies Lane.

Regulated Industries

5.3 There are no sites within 1km listed under the Integrated Pollution Prevention and Controls (IPPC) and the Integrated Pollution Controls (IPC).

5.4 There are no sites listed under Integrated Pollution Controls, Planning Hazardous Substance Consents, Notification of Installations Handling Hazardous Substances (NIHHS), Registered Radioactive Substances or Control of Major Accident Hazards Sites (COMAH).

Air

5.5 There are five listings under Local Authority Prevention and Controls within 1km. The nearest valid licence is for a dry cleaners 70m north east of the site.

Industrial Land Use

5.6 The Envirocheck Report identifies current industrial land use named as contemporary trade directory entries. There are a number of entries within 1km of the site. The closest active sites are a dry cleaners 70m to the north east and a bus/coach operators 156m to the east. For further details see the Envirocheck Report, Appendix 3.

5.7 There is one fuel station entry listed in the Envirocheck Report within 1km, located 563m north west. The site is now closed.

Environmentally Sensitive Areas

5.8 The site lies within a nitrate vulnerable zone for surface water as designated by DEFRA. An area of adopted green belt lies 254m to the west of the site.

5.9 There are no National Parks, S.S.S.I. (Sites of Special Scientific Interest), or Ramsar Sites within 1km of the site.

6 GEOLOGY, GROUNDWATER & SURFACE WATER

Geology

6.1 Inspection of British Geological Survey Sheet 87 Barnsley (1:50,000 Series: Solid and Drift Edition) was undertaken. Negligible drift deposits are expected (less than 2-3m) likely to be very thin and composed of sandy clay. The site lies on solid geology of Upper Carboniferous Middle Coal Measures. A geological fault is located beneath or just to the north west of the site. Further geological faults are shown to the south and south east. Coal seams are marked as sub cropping beyond the faults to the south east, approximately 500m from the site.

Geological Hazards

6.2 The Envirocheck Report states that no hazard is posed by collapsible ground, compressible ground or ground dissolution subsidence. Landslide and running sand is shown to pose a very low hazard, with shrinking/swelling clay as a low stability hazard. For full details see the Envirocheck Report (Appendix 3).

Radon Risk

6.3 The Envirocheck Report states that between 3 and 5% of the homes are above the radon action level. The report states that basic radon protective measures are necessary in the construction of new dwellings or extensions.

Mining Situation

6.4 The Envirocheck Report states that the site is in an area that may be affected by coal mining. A coal mining report was sourced from David Bellis Consulting Surveyors and is presented in Appendix 4. The report dated 29th August 2008, states that there are three known worked coal seams beneath the site between 134mbgl and 297mbgl. The shallowest seam is the Kents Thick with a section of 55cm and was worked in 1907.

6.5 The coal mining searches indicate that one mine entry, a shaft, is located within 20m of the property (see map within Appendix 4 for location). The shaft is marked within Wensley Road

just outside the south east of the site. The report also states that there are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate records or plans exist. There is no evidence of coal mining related subsidence claims in relation to the property in the past 10 years. The report concludes old workings are present but all settlement is likely to have completed long ago.

Ground and Surface Water

6.6 The Environment Agency classifies the underlying solid geology beneath the site as a minor aquifer. These can be fractured or potentially fractured rocks, which do not have a high primary permeability or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water abstraction, they are important for local quantities of water abstraction, they are important for local supplies and in supplying base flow to rivers.

6.7 The Envirocheck Report classifies the soils in the area as having a high leaching potential.

6.8 The nearest surface water feature lies 310m to the south west.

6.9 There are no water abstraction consents within 1km of the site.

6.10 There are a number of discharge licences held within 1km, the nearest valid consent refers to sewage discharge due to storm overflow into a tributary of the River Dearne 84m north of the site.

6.11 There have been no pollution incidents to controlled waters within 800m.

Flooding

6.12 There are no extreme flooding events or flooding events from rivers or sea without defences listed in the Envirocheck Report.

7 PRELIMINARY GEOTECHNICAL ASSESSMENT

Relict Foundations and Made Ground

7.1 Given the site history, areas of made ground are expected to be relatively shallow. The infill materials are likely to comprise construction and demolition waste. Additionally, the inferred pond to the north east of the site has been infilled with the infill materials unknown. Relict foundations from the former outbuildings of New Lodge (north west of the site) and housing/community centre could be encountered.

Foundation Assessment

7.2 Foundations for the new development are likely to be traditional shallow strip footings, or deeper trench fill in the vicinity of the inferred former pond. Given the nearby former mine shaft it would be prudent to reinforce the new footings. The founding stratum is expected to be sandy clay or shallow sandstone, depending on the depths encountered. However a full assessment cannot be undertaken until a Phase 2 Intrusive Investigation has been carried out.

Excavations and Groundwater

7.3 The site is likely to be underlain by thin sandy clay over Carboniferous sandstone of the Middle Coal Measures. It is considered likely that excavations above rock head should be easily achievable by means of a normal excavator, however if rock head or relict foundations from the former buildings are present a breaker may be required.

7.4 There is no evidence to suggest that groundwater will be encountered at relatively shallow depth; however groundwater levels vary with season and rainfall influences.

Mining

7.5 The mining report states that there are three known worked coal seams beneath the site. The shallowest seam is the Kents Thick at a depth of 134m depth with a section of 55cm and was worked in 1907.

7.6 The coal mining searches indicate that one mine entry, a shaft, is located within 20m of the property within Wensley Road just outside the south east of the site. The report also states that there are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate records or plans exist.

8 PRELIMINARY CONTAMINATION ASSESSMENT

8.1 The desk study has revealed that the site has **potentially** been exposed to contamination, mainly due to the likely demolition rubble within a clay fill across the site. There is also the infilling of the inferred pond to the north east of the site, the infill materials at the time are unknown.

8.2 The proposed development of the site is expected to comprise the construction of residential dwellings with gardens as soft landscaping and hardstanding in form of access roads and driveways. This type of land use is considered sensitive to contaminated given the end users are expected to include infant and elderly receptors.

8.3 It is recommended that a general screen of contaminants should be tested for during a site investigation, along with organic compounds such as total petroleum hydrocarbons (TPH) and polyaromatic hydrocarbons (PAH) and asbestos to confirm whether there is any contamination that may affect human health or vegetation. The testing should be based on guidance in CLR Report 8 *"Potential Contaminants for the assessment of Land"*. This includes:

- **a range of metals** - produced by a variety of industrial processes, and typically found in made ground
- **arsenic and sulphates** – elevated levels typically from made ground sources, however also can be naturally occurring
- **organics** – TPH and PAH found typically from previous roads
- **asbestos** – frequently found in demolition rubble, older buildings and sheet roofing

Potential Hazards from Ground Gases

8.4 Ground gases such as carbon dioxide and methane can be classed as a form of contamination. Potential sources of ground gases include:

- Made Ground
- Infilled Ponds
- Underlying Natural Strata (alluvial peat and chalk)
- Petrol re-fuelling sites (which also includes Volatile Organic Compounds)
- Landfill (on and off-site)
- Coal measures

8.5 Based on historical map evidence and consideration of the sites environmental setting, a preliminary comparison of *consequence* against *probability* has been made where ground gas is considered a potential threat to human health.

8.6 The assessment was made based on CIRIA Report C665 where the classification of probability of **likely** applies to the site. The site has contained housing and a community centre, which have recently been demolished with demolition rubble likely to be present. An old pond is inferred to have been present to the north west; this could lead to localised increases in ground gas levels. Residual ground gases from the nearby shaft and underlying coal measures cannot be ruled out.

8.7 Given the sites end use is by the public a **medium** classification of consequence has been assumed for the site in question. Therefore the site is at a **moderate risk** from ground gases. It would however be prudent to carry out full intrusive works to justify the above assumptions; this would give the site a risk classification based on the recommendations given in CIRIA Report C665.

9 PHASE TWO – INTRUSIVE INVESTIGATION WORK

9.1 Based on the information collated in this desk study a Phase Two intrusive investigation is recommended. The investigation for the new development should comprise a series of mini percussive boreholes (approximately two days work) around the site, to depths of up to 5m, or to rockhead which is expected to be shallower. Boreholes may need to be extended if poor ground conditions are encountered.

9.2 The mining report states that there are three known worked coal seams beneath the site. The shallowest seam is the Kents Thick at a depth of 134m with a section of 55cm and was worked in 1907. The coal mining searches also indicate that one mine entry, a shaft, is located within 20m of the property within Wensley Road just outside the south east of the site. The report also states that there are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate records or plans exist.

9.3 We would recommended a series of open hole rotary boreholes to a depth of 30m to ascertain whether there are any shallow mining voids beneath the site. Additionally, due to the nearby former mine shaft it would be prudent to source a Mine Entry Assessment Report. Following the results of the Mine Entry Assessment Report a ground magnetometer survey could be undertaken to find the exact location and depth of the potential mine shaft, if required.

9.4 Due to the likely presence of fill materials beneath the site gas/groundwater monitoring pipes should be installed in a minimum of five boreholes (due to the size of the site and presence of a former mine shaft) to access the shallow ground gas and water levels beneath the site. CIRIA report C665 states that a site with a moderate risk for residential end use requires 12no visits over six months. However, we would recommend six monitoring visits initially. However, if high or variable concentrations of ground gases are recorded, an extended period of monitoring maybe necessary.

9.5 Samples from the boreholes should be subject to a series of both geotechnical and chemical contamination analysis.

9.6 Site investigations are designed according to the type of development, the requirements of the client, and recommendations in BS 5930 and BS 10175.

10 PRELIMINARY CONCEPTUAL MODEL AND RISK ASSESSMENT

10.1 The conceptual model (Table 2) collates the salient aspects of the site to form a model which should enable comparison after fieldwork and testing. This model identifies the **potential** pollution linkages that may influence the proposed development and geotechnical considerations. The risk ratings are based on the current potential liabilities and likely

potential future liabilities. This should not be used as a guide to the cost of addressing site specific ground issues. The risks posed by the geotechnical and contamination aspects of the site will be revised following site works, and any mitigating action required added.

PRELIMINARY CONTAMINATION ASSESSMENT					
SOURCES	**DETAILS**	**RECEPTORS**	**PATHWAYS**	**DETAILS**	**RISK RATING**
Potential contamination in the made ground	Possible sources include: Possible contamination from made ground likely to be demolition rubble and infilled pond to the north east. Possible ground gases from nearby former shaft. Residual contamination from solid geology.	*Users of site* (once development is complete)	*Dermal absorption*	Proposed development expected to include soft landscaping	**LOW-MOD**
			Inhalation of soil/volatised compounds		
			Ingestion of soil		
			Contact with contaminated groundwater		
			Ground gas from vertical and horizontal migration	Ingress and accumulation into structures.	**MOD (C665)**
		Construction workers and users of site during construction	Dermal absorption	Contact with made ground and groundwater during ground works Contact with dust during construction	**LOW-MOD**
			Inhalation of soil/volatised compounds		
			Ingestion of soil		
			Contact with contaminated groundwater		
		Users of surrounding sites	Dermal absorption	Contact with wind blown dust during construction	**LOW-MOD**
			Inhalation of soil/volatised compounds		
			Ingestion of soil		
		Vegetation	Uptake via roots and leaf surfaces	Soft landscaping expected	**LOW-MOD**
		Groundwater	Slow seepage or leaching of contaminants	Minor Aquifer. No water abstractions within 500m.	**LOW**
		Surface Water	Slow seepage or leaching of contaminants	Nearest surface water feature 310m to south west.	**LOW**
			Accumulation of contaminated sediments		
		Construction *Materials*	Direct contact	Relict foundations possible from former structures.	**MOD**

PRELIMINARY GEOTECHNICAL ASSESSMENT		
FACTOR	**ON SITE DESCRIPTION**	**RISK RATING**
MADE GROUND	Potential shallow made ground expected as demolition rubble, with deeper areas to the north east from infilled pond.	**LOW-MOD**
NATURAL SOILS	Thin sandy clay	**LOW**
SOLID GEOLOGY	Carboniferous Middle Coal Measures (Sandstone)	**LOW**
MINING	Site located within a coal mining area; possible ancient shallow workings. Former mine shaft located within 20m.	**MOD-HIGH**
GROUND GAS	Basic radon protection measures required. Ground gas assessment is recommended.	**MOD**
SUBSIDENCE /GROUND STABILITY	*No evidence of any subsidence in area.*	**LOW**

TABLE 2: PRELIMINARY CONCEPTUAL MODEL AND RISK ASSESSMENT

11 CONCLUSIONS & RECOMMENDATIONS

11.1 The results of the desk study are presented in this report and Solmek can comment as follows:

Existing Features on and Near the Site

11.2 At the time of the walkover survey the site comprised a large expanse of grass covered public open space (Plates 1 and 2). Some areas of the site consisted of low grassed mounds, especially within the north eastern third. These could be the remnants of former structures on the site; areas of exposed concrete were also noted along the eastern margins. A low wooden post and metal bar fence runs along the southern, northern and partly along the eastern boundary.

Historical and Environmental Setting

11.3 The site was initially occupied by 'New Lodge' with associated outbuildings and an inferred pond until 1959 map edition. Since then the site was largely undeveloped open space within a housing estate. Housing, residential flats and a community centre were constructed around the site perimeter by 1970. The site is now known to have been cleared of all structures.

11.4 The immediate surrounding land has seen mainly residential activity over time. Within 1km of the site have been a number of collieries.

11.5 The site is likely to be underlain by very thin drift deposits with the solid geology beneath comprising Middle Coal Measures (sandstone).

11.6 Basic radon protection measures are required for any new dwellings or extensions.

Impact of Local Authority Guidance

11.7 Although the site is unlikely to be considered contaminated with regards to Part IIA of the Environmental Protection Act (1990) and the local authorities contaminated land strategy, the contamination status of the site will be considered as part of the planning process to ensure the site is suitable for use.

Likelihood of Finding Contamination, its Nature and Extent and Key Contaminants

11.8 Based on the site walkover, and evidence compiled from the historic maps and Envirocheck Report, the site has potentially be exposed to minor contamination. Made ground is likely to be demolition waste, with deeper areas to the north east from the infilled pond.

Source – Pathway – Receptor Relationships

11.9 Pathways (as detailed in the conceptual model) may exist between the potential contamination in the made ground and human health, vegetation, construction materials and water. The site investigation will provide information to assess these pathways and the risks posed.

Geotechnical Considerations

11.10 The proposed development is expected to be residential with gardens as soft landscaping and hardstanding as driveways and access roads. It would be prudent to undertake an intrusive investigation to establish the ground conditions on site and provide the bearing capacities of the underlying stratum to assist in foundation design for the proposed development.

Intrusive Investigation

11.11 Based on the information collated in this desk study a Phase Two intrusive investigation is recommended. The investigation for the new development should comprise a series of mini percussive boreholes (approximately two days work) around the site, to depths of up to 5m, or to rockhead which is expected to be shallower. Boreholes may need to be extended if poor ground conditions are encountered.

11.12 The mining report states that there are three known worked coal seams beneath the site. The shallowest seam is the Kents Thick at a depth of 134m with a section of 55cm and was worked in 1907. The coal mining searches also indicate that one mine entry, a shaft, is located within 20m of the property within Wensley Road just outside the south east of the site. The report also states that there are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate records or plans exist.

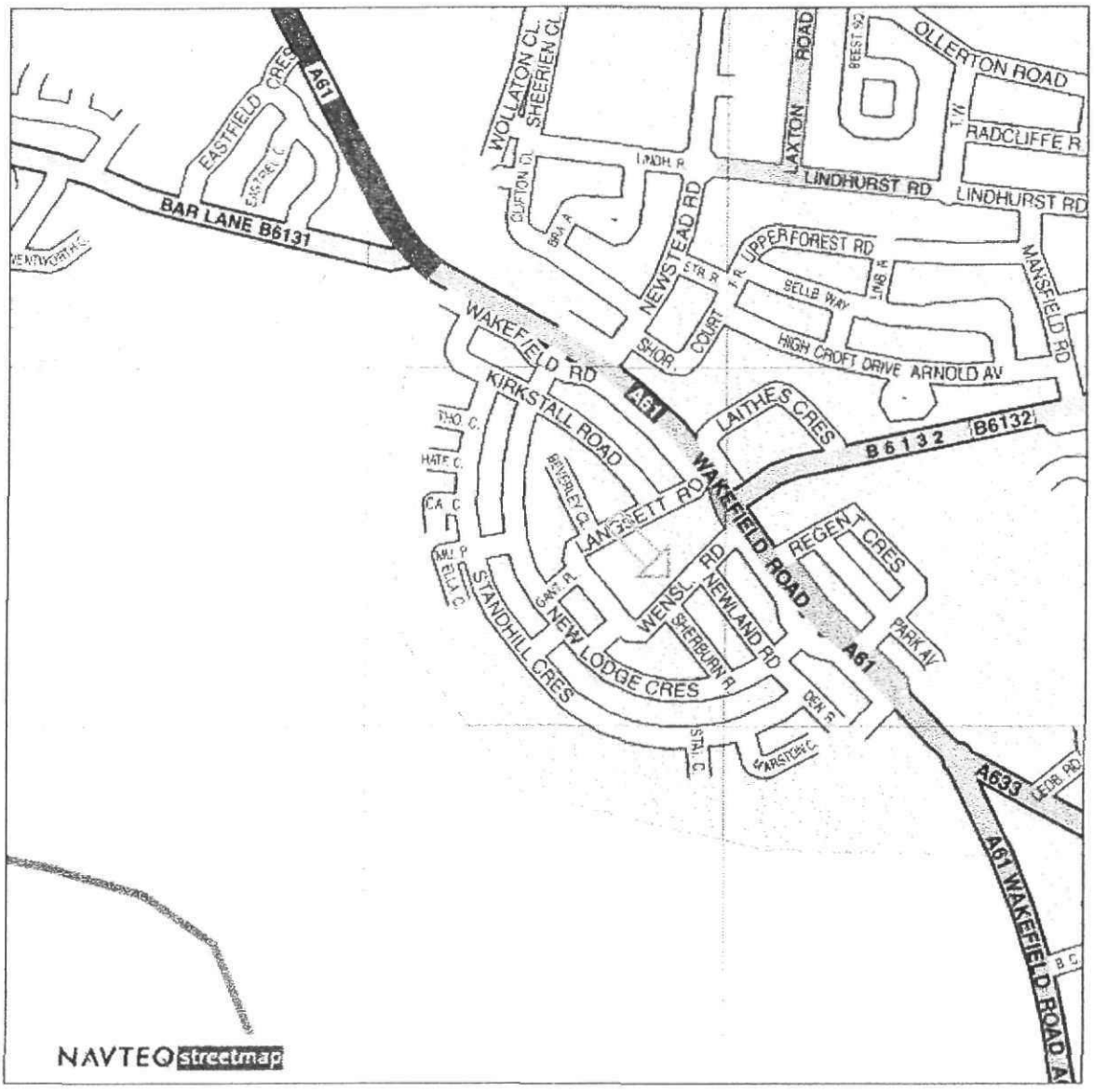
11.13 We would recommended a series of open hole rotary boreholes to a depth of 30m to ascertain whether there are any shallow mining voids beneath the site. Additionally, due to the nearby former mine shaft it would be prudent to source a Mine Entry Assessment Report. Following the results of the Mine Entry Assessment Report a ground magnetometer survey could be undertaken to find the exact location and depth of the potential mine shaft, if required.

11.14 Due to the likely presence of fill materials beneath the site gas/groundwater monitoring pipes should be installed in a minimum of five boreholes (due to the size of the site and presence of a former mine shaft) to access the shallow ground gas and water levels beneath the site. CIRIA report C665 states that a site with a moderate risk for residential end use requires 12no visits over six months. However, we would recommend six monitoring visits initially. However, if high or variable concentrations of ground gases are recorded, an extended period of monitoring maybe necessary.

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APPENDIX 1:
Figures and Plates

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Figures and Plates



Client:	Morgan Ashurst PLC	
Project:	New Lodge Site, Athersley, Barnsley	
Title:	Site Location Map	
DRG No:	Figure 1	Scale: NTS
Date	September 2008	

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Client:	Morgan Ashurst PLC	
Project:	New Lodge Site, Athersley, Barnsley	
Title:	Former Site Plan	
DRG No:	Figure 2	Scale: NTS
Date	September 2008	

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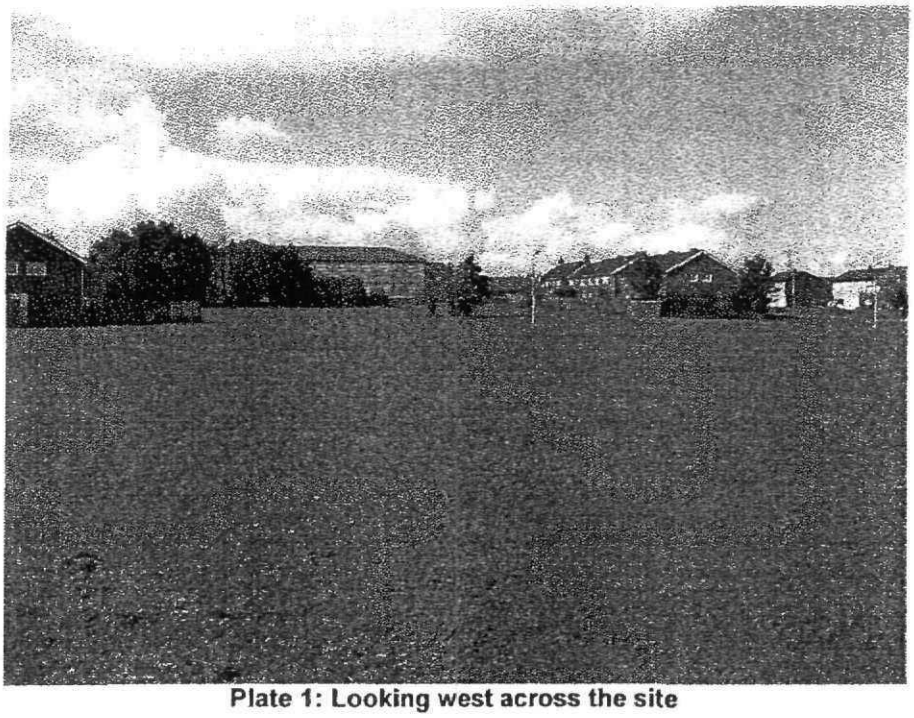


Plate 1: Looking west across the site

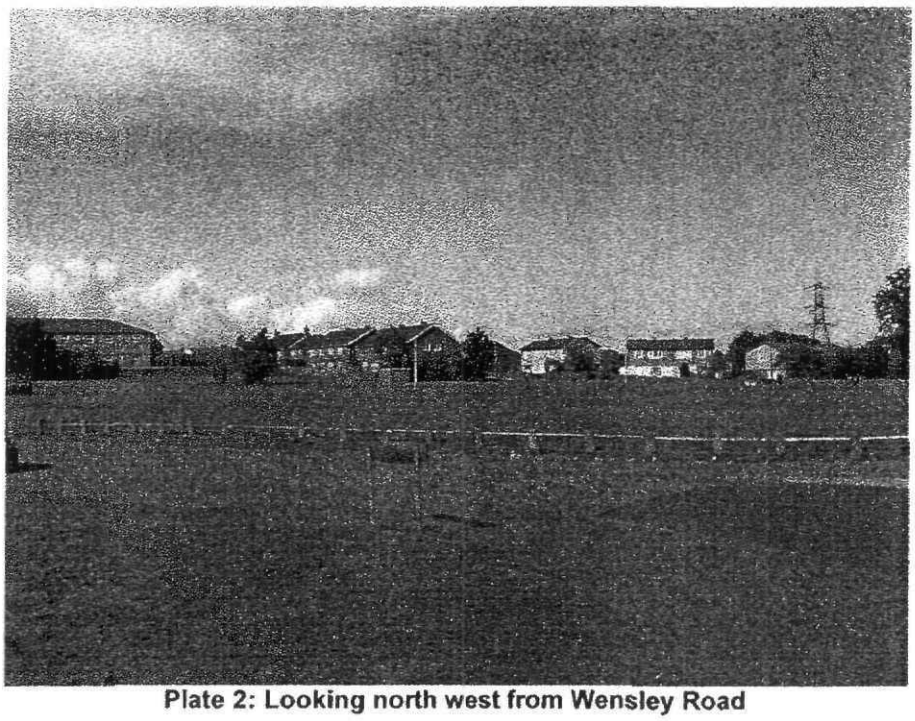


Plate 2: Looking north west from Wensley Road

Client:	Morgan Ashurst PLC
Project:	New Lodge, Athersley, Barnsley
Title:	Plates 1 & 2
DRG No:	Figure 3
Date	September 2008

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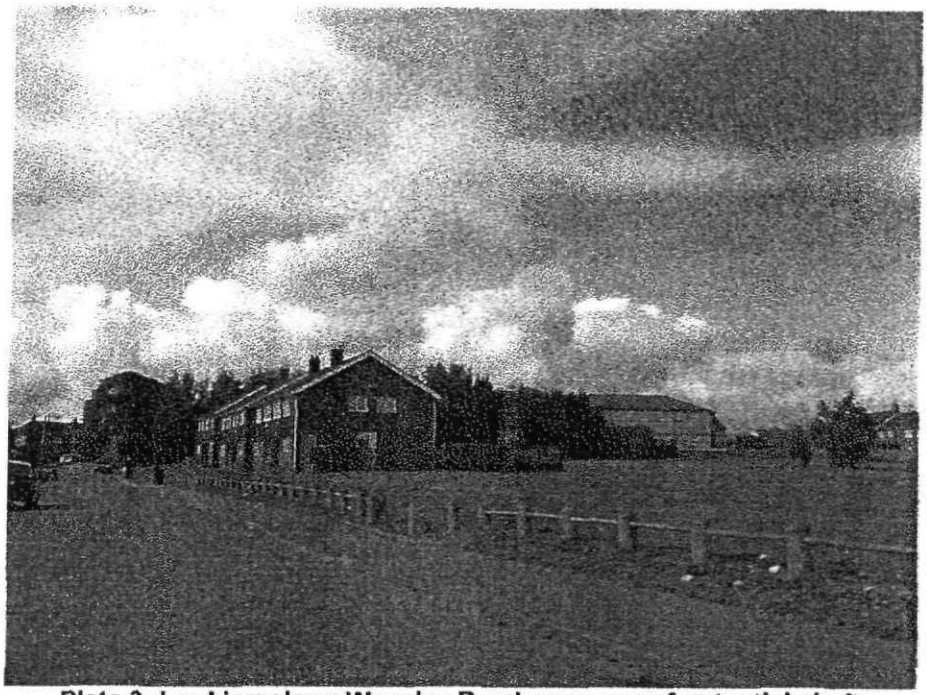


Plate 3: Looking along Wensley Road over area of potential shaft



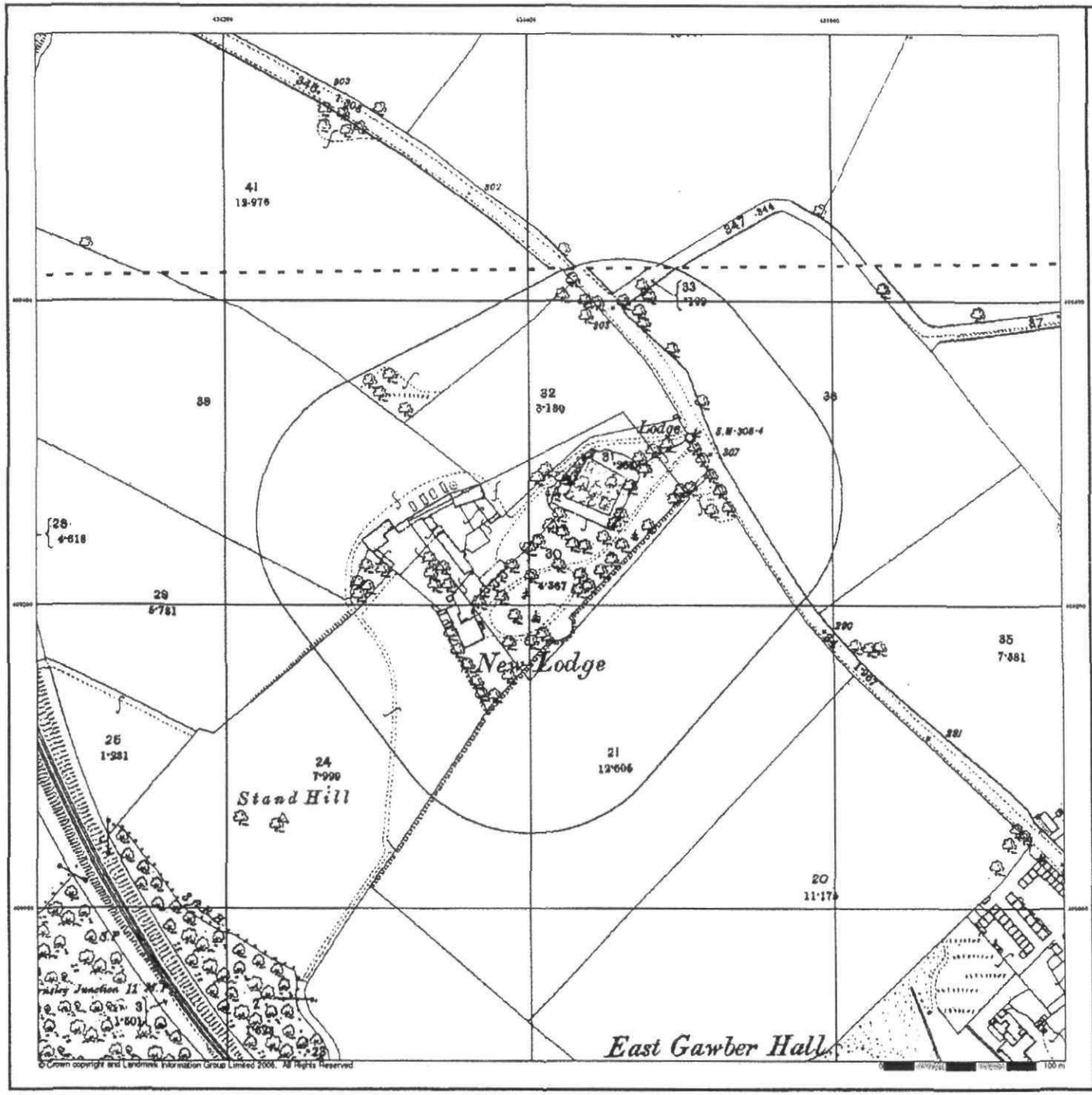
Plate 4: Looking east at housing along Langsett Road

Client:	Morgan Ashurst PLC
Project:	*New Lodge, Athersley, Barnsley*
Title:	Plates 3 & 4
DRG No:	Figure 4
Date	September 2008

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APPENDIX 2:
Historical Map Extracts


Staingroes
Lodge
Walker Dike
Blacker Hill
New Lodge
New Athersley
Wood
Old Pit Shaft
Old Pit Shaft
Old Pit Shaft



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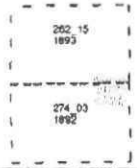
Yorkshire

Published 1892 - 1893

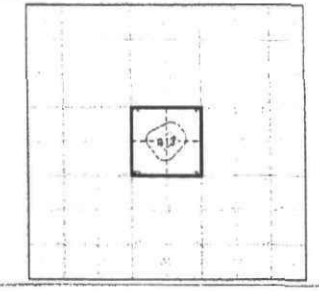
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



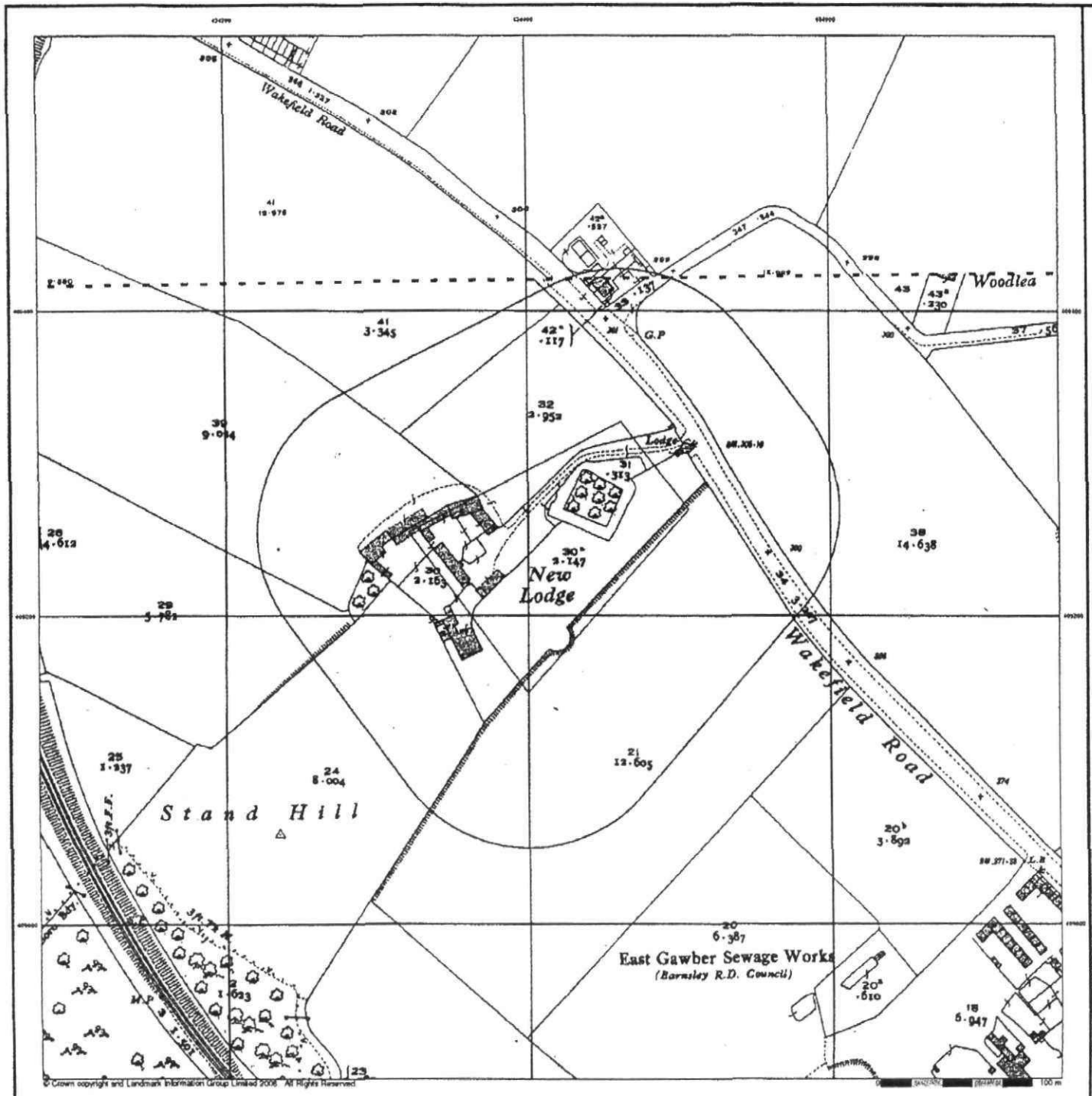
Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	100

Site Details

New Lodge Site, Athersley, Barnsley, S71 1TJ

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SOLMEK

Yorkshire

Published 1918 - 1931

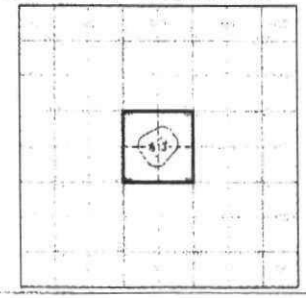
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1936, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
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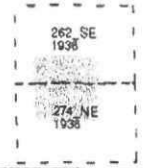
Yorkshire

Published 1938

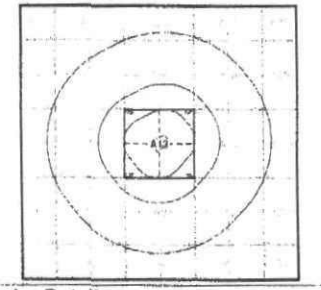
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	1000

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Ordnance Survey Plan

Published 1959

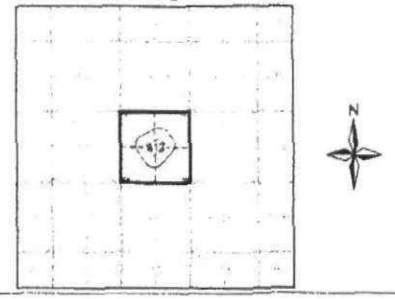
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	100

Site Details

New Lodge Site, Athersley, Barnsley, S71 1TJ

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Ordnance Survey Plan

Published 1965 - 1966

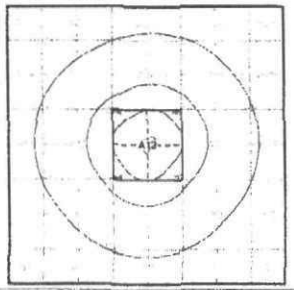
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly *held at* the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1935, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

SE31SW 1965	SE31SE 1966
SE30NW 1966	SE30NE 1966

Historical Map - Slice A



Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	1000

Site Details

New Lodge Site, Athersley, Barnsley, S71 1TJ

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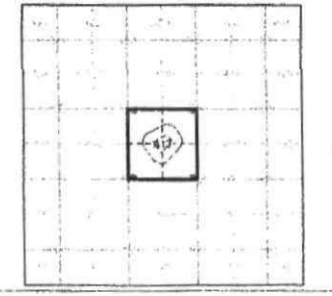
Ordnance Survey Plan
Published 1970 - 1977
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	26134193_1_1
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National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	100

Site Details

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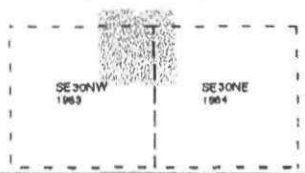
Ordnance Survey Plan

Published 1983 - 1984

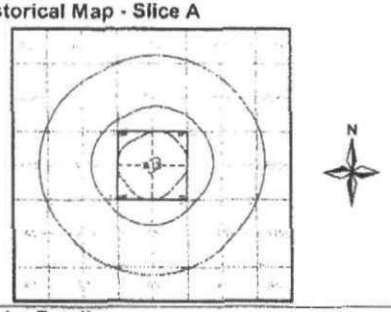
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

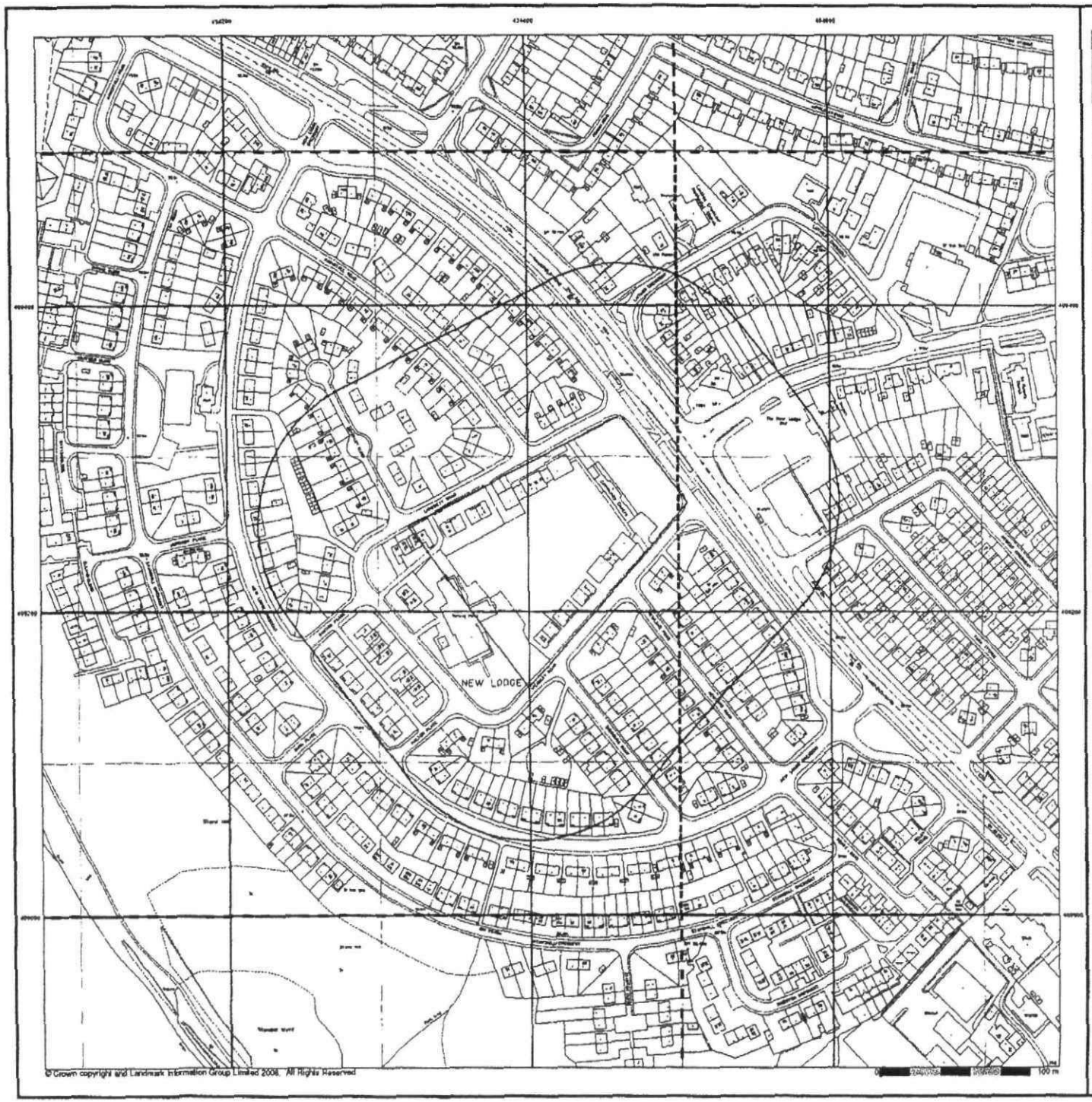
Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	1000

Site Details

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Large-Scale National Grid Data

Published 1993

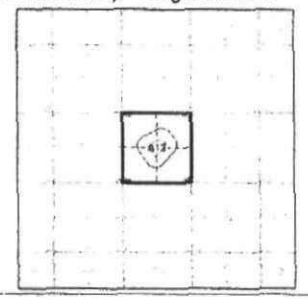
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	100

Site Details

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10K Raster Mapping

Published 2008

Source map scale - 1:10,000

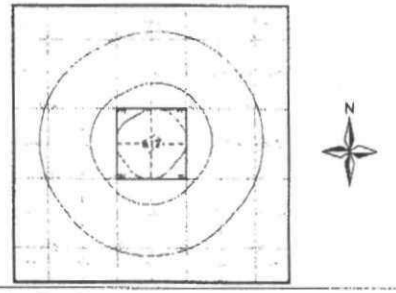
The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks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

Map Name(s) and Date(s)

SE31SW 2008 | SE31SE 2008

SE30NW 2008 | SE30NE 2008

Historical Map - Slice A



Order Details

Order Number:	26134193_1_1
Customer Ref:	S80818
National Grid Reference:	434410, 409240
Slice:	A
Site Area (Ha):	1.61
Search Buffer (m):	1000

Site Details

New Lodge Site, Athersley, Barnsley, S71 1TJ

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APPENDIX 3:
Envirocheck Report

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Envirocheck® Report:

Datasheet

Order Details:

Order Number:
26134193_1_1

Customer Reference:
S80818

National Grid Reference:
434410, 409240

Slice:
A

Site Area (Ha):
1.61

Search Buffer (m):
1000

Site Details:

New Lodge Site
Athersley
Barnsley
S71 1TJ

Client Details:

Mr D Simpson
Solmek Ltd
12 Yarm Road
Stockton on Tees
Cleveland
TS18 3NA

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Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	8
Hazardous Substances	-
Geological	12
Industrial Land Use	14
Sensitive Land Use	19
Data Currency	20
Data Suppliers	24
Useful Contacts	25

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

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Peter Brett Associates Copyright Notice

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Radon Potential dataset Copyright Notice

Information supplied from a joint dataset compiled by The British Geological Survey and the Health Protection Agency.

Report Version v36.0

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		3	6	4
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		1	1	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 4			Yes	
Pollution Incidents to Controlled Waters	pg 5				3
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 5				2
River Quality Biology Sampling Points	pg 5				1
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 6				1
Water Abstractions	pg 6				(*3)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 6	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites	pg 8				1
Historical Landfill Sites	pg 8				5
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 9				1
Local Authority Recorded Landfill Sites	pg 9				5
Registered Landfill Sites	pg 10				2
Registered Waste Transfer Sites	pg 11				2
Registered Waste Treatment or Disposal Sites	pg 11				1

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites	pg 12				2
BGS 1:625,000 Solid Geology	pg 12	Yes	n/a	n/a	n/a
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas	pg 12	Yes	n/a	n/a	n/a
Mining Instability	pg 12	Yes	n/a	n/a	n/a
Natural and Mining Cavities					
Potential for Collapsible Ground Stability Hazards				n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards		Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards		Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 13	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas		Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures		Yes	n/a	n/a	n/a
Shallow Mining Hazards		Yes	Yes	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 14		5	5	35
Fuel Station Entries	pg 18				1

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt	pg 19			1	
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 19	1			
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
1	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: New Lodge Cso Wakefield Road, New Lodge, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra7956 Permit Version: 1 Effective Date: 28th March 2003 Issued Date: 28th March 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Tributary Of The River Deame **Status:** **New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A13NW (N)	84	1	434400 409390
2	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: New Lodge, Wakefield Road, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status:** **Not Supplied** Positional Accuracy: Located by supplier to within 100m	A13NW (N)	156	1	434340 409440
2	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Dummy Ngr-No Details On Permit No Ngr Details Exist On Permit, No Ngr Details Exist On Permit, No Ngr Details Exist On Permit, No Ngr Details Exist On Permit Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Varies With Outlet **Status:** **Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	A13NW (N)	161	1	434344 409448
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: New Lodge, Marsh Crescent, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status:** **Not Supplied** Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	305	1	434610 408930

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Dummy Ngr-No Details On Permit No Ngr Details Exist On Permit, No Ngr Details Exist On Permit, No Ngr Details Exist On Permit, No Ngr Details Exist On Permit Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Varies With Outlet **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	305	1	434614 408934
3	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: New Lodge-Marsh Crescent, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	308	1	434610 408925
4	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Hill Top Farm Cso Wakefield Road, East Gawber Farm, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8691 Permit Version: 1 Effective Date: 1st April 2005 Issued Date: 11th March 2005 Revocation Date: 3rd June 2007 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Ditch To The River Deame **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A8NE (S)	349	1	434560 408840
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Stw, Nr Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698(Ss) Permit Version: 1 Effective Date: 16th November 1981 Issued Date: 16th November 1981 Revocation Date: 23rd March 2004 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	364	1	434300 408800

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
5	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewage Disposal Works - Water Company Location: Tankersley Stw, Nr Worsborough, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: E698(Ss) Permit Version: 1 Effective Date: 16th November 1981 Issued Date: 16th November 1981 Revocation Date: 23rd March 2004 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Birdwell Dyke **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 100m	A8NW (S)	364	1	434300 408800
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Hill Top Farm Cso Wakefield Road, East Gawber Farm, Barnsley, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: Wra8691 Permit Version: 2 Effective Date: 4th June 2007 Issued Date: 4th June 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Ditch To The River Dearne **Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	503	1	434770 408810
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: New Lodge, Hill Top Farm, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Dearne Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 29th May 1963 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	503	1	434770 408810
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers - Water Company Location: Dummy Ngr-No Details On Permit No Ngr Details Exist On Permit, No Ngr Details Exist On Permit, No Ngr Details Exist On Permit, No Ngr Details Exist On Permit Authority: Environment Agency, North East Region Catchment Area: Don Tributaries Reference: S/Cb/8 Permit Version: 1 Effective Date: 29th May 1963 Issued Date: 29th May 1963 Revocation Date: 31st March 2005 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Varies With Outlet **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	504	1	434775 408815

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
6	**Discharge Consents** Operator: Yorkshire Water Services Ltd Property Type: Sewerage Network - Sewers Location: New Lodge-Hill Top Farm, South Yorkshire Authority: Environment Agency, North East Region Catchment Area: Deame Reference: S/CB/8 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 30th June 1993 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge Environment: Unknown Receiving Water: Not Supplied **Status: Not Supplied** Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	507	1	434770 408805
7	**Local Authority Pollution Prevention and Controls** Name: Wakefield Dry Cleaners Location: 315 Wakefield Road, Barnsley, S71 3lr Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: ppc/b/84 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	70	2	434491 409390
8	**Local Authority Pollution Prevention and Controls** Name: Walter Franks & Son Ltd Location: Wakefield Road, BARNSLEY, South Yorkshire, S71 3LU Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: EPA/36/26 Dated: 19th March 1993 Process Type: Local Authority Air Pollution Control Description: PG2/6 Aluminium and aluminium alloy processes **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	479	2	434135 409698
9	**Local Authority Pollution Prevention and Controls** Name: William Freeman Limited Location: Wakefield Road, Staincross, Barnsley, South Yorkshire, S75 6DH Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Epa102 Dated: 6th March 2000 Process Type: Local Authority Air Pollution Control Description: PG6/32 Adhesive coating **Status: Site Closed** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	721	2	434025 409913
9	**Local Authority Pollution Prevention and Controls** Name: William Freeman Limited Location: Suba Seal Works, Wakefield Road, Mapplewell, Barnsley, South Yorkshire, S75 6DH Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Epa101 Dated: 29th November 1999 Process Type: Local Authority Air Pollution Control Description: PG6/28 Rubber processes **Status: Site Closed** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	721	2	434025 409913
10	**Local Authority Pollution Prevention and Controls** Name: Tarmac Northern Ltd Location: Wakefield Road, BARNSLEY, South Yorkshire, S71 1NU Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards Permit Reference: Ppc/B/21 Dated: 8th March 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG3/1Blending, packing, loading and use of bulk cement **Status: Permitted** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	764	2	434945 408616
	Nearest Surface Water Feature	A12SE (SW)	310	-	434068 409075

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
11	**Pollution Incidents to Controlled Waters** Property Type: Industrial Premises Location: Mouth/Todmorden Calder Afl Authority: Environment Agency, North East Region Pollutant: Oils - Diesel (Including Agricultural) Note: Not Supplied Incident Date: 12th March 1991 Incident Reference: 120419 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	826	1	433700 409800
12	**Pollution Incidents to Controlled Waters** Property Type: Surface Water Sewers Location: Edderthorpe Lane/Rail Viadct Dearne 11 Authority: Environment Agency, North East Region Pollutant: Not Given Note: Not Supplied Incident Date: 13th January 1991 Incident Reference: 118822 Catchment Area: Not Given Receiving Water: Freshwater Stream/River Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	858	1	435100 409900
13	***Pollution Incidents to Controlled Waters*** Property Type: Domestic/Residential Location: Smithies Lane/Foot Bridge Dearne 17 Authority: Environment Agency, North East Region Pollutant: Unknown Note: Not Supplied Incident Date: 10th May 1990 Incident Reference: 110461 Catchment Area: Not Given Receiving Water: No Pollution Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3NE (S)	997	1	434700 408200
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: Cawthorne_Dyke_New_Lodg Estimated Distance (km): 2 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A7NE (SW)	773	1	433880 408579
	River Quality Name: River_Dearne GQA Grade: River Quality C Reach: New_Lodge_Old_Mil Estimated Distance (km): 3 Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A7SE (SW)	875	1	433968 408389
14	**River Quality Biology Sampling Points** Name: Dearne Reach: New Lodge To Old Mill Estimated Distance: 3.00 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade E - Poor Year: 1995 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A7SE (SW)	810	1	433979 408458

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
15	**Substantiated Pollution Incident Register** Authority: Environment Agency - North East Region, Ridings Area Incident Date: 26th November 2002 Incident Reference: 123048 Water Impact: Category 4 - No Impact Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: General Biodegradable : Natural Organic Material Pollutant: Specific Waste Materials: Commercial Waste Pollutant: Specific Waste Materials: Household Waste Pollutant: Specific Waste Materials: Tyres	A9NW (SE)	614	1	434950 408846
	Water Abstractions Operator: Northern Strip Mining Limited Licence Number: 2/27/08/097 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 114 Yearly Rate (m3): 32000 Details: Licence Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3NE (S)	1168	1	434650 408010
	Water Abstractions Operator: Star Paper Mills Licence Number: 2/27/08/042 Permit Version: Not Supplied Location: Location Description Not Available Authority: Environment Agency, North East Region Abstraction: Unclassified Combinations Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 3410 Yearly Rate (m3): 640986 Details: Licence Lapsed Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SW (S)	1534	1	434900 407700
	Water Abstractions Operator: Yorkshire Water Plc Licence Number: 2/27/08/057 Permit Version: Not Supplied Location: County Borough Of Barnsley Authority: Environment Agency, North East Region Abstraction: Unclassified (Other) Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 18 Yearly Rate (m3): 2273 Details: Not Supplied Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1698	1	434800 407500
	Groundwater Vulnerability Geological Classification: Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13SW (W)	0	1	434110 409185

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
	Drift Deposits Drift Deposit: Low permeability drift deposits occuring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 11 South Pennines Scale: 1:100,000	A13NE (NE)	0	1	434471 409302
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
16	**BGS Recorded Landfill Sites** Site Name: Smithy Green Tip Location: Smithies Lane, BARNSLEY, Yorks Authority: British Geological Survey, National Geoscience Information Service Ground Water: Information not available *Surface Water: Information not available* Geology: N/A Positional Accuracy: Positioned by the supplier Boundary Accuracy: Derived	A8NE (S)	511	3	434477 408645
17	**Historical Landfill Sites** Licence Holder: W Freeman and Company Location: Subseal Works, Wakefield Road, Staincross Name: On waste land to the rear of Subseal Works Operator Location: Subaseal Works, Staincross, Barnsley, South Yorkshire Boundary Accuracy: As Supplied Provider Reference: EAHLD04350 First Input Date: 31st December 1962 Last Input Date: 31st December 1994 Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0484 BGS Ref: Not Supplied Other Ref: WD20 B364, 4400/B364, 20B364(82)	A18SW (NW)	589	1	434107 409807
18	**Historical Landfill Sites** Licence Holder: Blacker Hill Quarry Limited Location: Wentworth Road, Mapplewell, Barnsley Name: Blacker Hill Quarry Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04349 First Input Date: 1st April 1980 Last Input Date: 31st December 1984 Specified Waste Type: Deposited Waste included Inert, Industrial and Commercial Waste EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0422 BGS Ref: Not Supplied *Other Ref: WD20 B278*	A12NW (W)	770	1	433575 409446
19	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Barnsley Name: Land adjacent to Wakefield Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD34625 First Input Date: 1st June 1997 Last Input Date: 30th November 1997 Specified Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A9SW (SE)	790	1	434796 408468
20	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Wakefield Road, Barnsley Name: Dalestone Works Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04352 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0544 BGS Ref: Not Supplied Other Ref: 4400/(142)	A9SW (SE)	871	1	434957 408477

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
21	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Smithies Tip, Off Smithies Lane, Barnsley Name: Smithies Tip Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD04351 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 4400/0543 BGS Ref: Not Supplied Other Ref: 4400/(141)	A8SE (S)	945	1	434670 408245
22	**Licensed Waste Management Facilities (Locations)** Licence Number: 60555 Location: Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6BS Operator Name: Mapplewell Autosalvage Operator Location: Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6BS Authority: Environment Agency - North East Region, Ridings Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) **Licence Status: Issued** Issued: 22nd November 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	953	1	433400 409500
	Local Authority Landfill Coverage Name: Barnsley Metropolitan Borough Council - Has supplied landfill data		0	2	434286 411048
23	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 82 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A18SW (NW)	590	2	434106 409808
24	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 19 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A12NW (W)	770	2	433576 409447
25	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 172 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A9SW (SE)	774	2	434773 408473

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
26	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 142 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A9SW (SE)	873	2	434941 408466
27	**Local Authority Recorded Landfill Sites** Location: Not Supplied Reference: 141 Authority: Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A8SE (S)	946	2	434669 408244
28	**Registered Landfill Sites** Licence Holder: William Freeman & Co. Licence Reference: WD20 B 364 MOD 1 Site Location: Suba Seal Works, Staincross, Darton, Barnsley, South Yorkshire Licence Easting: 434100 Licence Northing: 409900 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1983 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Com. + Ind. Waste Soil, Subsoil Prohibited Waste: All Forms Of Asbestos Waste	A18SW (NW)	675	1	434100 409900
29	**Registered Landfill Sites** Licence Holder: Blacker Hill Quarries Ltd Licence Reference: WD20 B 278 Site Location: Blacker Hill Quarry, Mapplewell, Darton, Barnsley, South Yorkshire Licence Easting: 433500 Licence Northing: 409450 Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st April 1980 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes Ind. Non-Haz. Waste	A12NW (W)	844	1	433500 409450

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
	Registered Waste Transfer Sites				
30	Licence Holder: Engineering Services Dlo Licence Reference: WD20 B 970 Site Location: Adj. North West Boundary, Smithies Lane Depot, Barnsley, South Yorkshire Operator Location: Smithies Lane Depot, BARNSLEY, South Yorkshire, S71 1NL Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Site exempt from licenceExempt Dated: 1st June 1993 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Construction And Demolition Wastes Excavated Natural Materials Highway Renovation Waste Max.Storage In Licence Prohibited Waste: Asbestos (Any Type) Liquid/Slurry Wastes Poisonous, Noxious, Polluting Wastes	A8SE (S)	855	1	434700 408350
	Registered Waste Transfer Sites				
31	Licence Holder: B Eaton Licence Reference: WD20 B 439 MOD 1 Site Location: 114 Wentworth Road, Mapplewell, Darton, BARNSLEY, South Yorkshire, S75 6DU Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Transfer Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st October 1984 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the road within the address or location Boundary Quality: Not Supplied Authorised Waste: Com. + Ind. Non-Haz. Waste Ind. Non-Haz. Potentially Combustible Prohibited Waste: Asbestos Liquids In Containers Over 4l Cap. Slurry In Containers Over 4l Cap.	A12NW (W)	945	1	433420 409540
	Registered Waste Treatment or Disposal Sites				
32	Licence Holder: Mapplewell Auto Salvage Licence Reference: WD20 B1126 MOD 2 Site Location: Wentworth Road, Mapplewell, Staincross, BARNSLEY, South Yorkshire, S75 6BS Operator Location: As Site Address Authority: Environment Agency - North East Region, Ridings Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source Restrictions: No known restriction on source of waste Licence Status: Operational as far as is knownOperational Dated: 22nd November 1996 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Scrap Motor Vehicles Max.Stor Tyres Max.Stor Prohibited Waste: Liquid Wastes Waste N.O.S.	A17SW (NW)	983	1	433454 409718

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
33	**BGS Recorded Mineral Sites** Site Name: Blacker Hill Location: Mapplewell, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 26005 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Wooley Edge Rock, Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	779	3	433607 409568
34	**BGS Recorded Mineral Sites** Site Name: Blacker Hill Location: Mapplewell, Darton, Barnsley, South Yorkshire Source: British Geological Survey, National Geoscience Information Service Reference: 16763 Type: Opencast **Status: Ceased** Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Woolley Edge Rock, Pennine Middle Coal Measures Formation Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A12NW (W)	842	3	433505 409465
	BGS 1:625,000 Solid Geology Description: Lower Westphalian (mainly Productive Coal Measures)	A24NW (N)	0	3	434866 410712
	Coal Mining Affected Areas Description: In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	(SW)	0	4	425000 397000
	Mining Instability Mining Evidence: Inconclusive Coal Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	(SE)	0	-	440000 404500
	Potential for Collapsible Ground Stability Hazards No Hazard				
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A14NW (E)	0	3	435000 409245
	Potential for Ground Dissolution Stability Hazards No Hazard				
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	0	3	434475 409025
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	146	3	434475 409025
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	175	3	434200 409125
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	195	3	434250 409025
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	200	3	434225 409050
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	212	3	434200 409050
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434450 409275
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434450 409275

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434450 409275
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434450 409275
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	146	3	434575 409100
	Radon Potential - Radon Affected Areas Affected Area: The property is in a radon affected area, as between 3 and 5% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434500 409325
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434500 409325
	Shallow Mining Hazards Risk: Low-Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	0	3	434516 409313
	Shallow Mining Hazards Risk: Low-Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	32	3	434516 409313

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
35	**Contemporary Trade Directory Entries** Name: Wakefield Road Dry Cleaners Location: 315, Wakefield Road, Barnsley, South Yorkshire, S71 3LR Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	70	-	434491 409390
36	**Contemporary Trade Directory Entries** Name: Kerry Utilities Ltd Location: Compound 5 & 6 Wakefield Rd, Barnsley, South Yorkshire, S71 1NU Classification: Asphalt & Coated Macadam Laying Contractors **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A13NW (N)	139	-	434388 409446
37	**Contemporary Trade Directory Entries** Name: Woods Coaches Location: Wakefield Road, BARNSLEY, South Yorkshire, S71 1PA Classification: Bus & Coach Operators & Stations **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13SE (E)	156	-	434618 409162
38	**Contemporary Trade Directory Entries** Name: Gas Appliance Spares (Barnsley) Ltd Location: Unit 10,Woodmoor Ct,Laithes La, Barnsley, South Yorkshire, S71 3AA Classification: Heating Equipment - Sales & Service **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A13NE (NE)	188	-	434664 409372
39	**Contemporary Trade Directory Entries** Name: Global Seals Direct Location: Woodmoor Ct,Whamcliffe Bsns Pk, Barnsley, South Yorkshire, S71 3AA Classification: Seal & Joint Manufacturers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	245	-	434676 409450
40	**Contemporary Trade Directory Entries** Name: I S Maintenance Ltd Location: Wakefield Road, Barnsley, South Yorkshire, S71 1PA Classification: Glass Products - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	346	-	434685 408951
41	**Contemporary Trade Directory Entries** Name: D Ibbotson & Son Location: A, 219, Wakefield Road, Barnsley, South Yorkshire, S71 3TP Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	397	-	434826 409037
42	**Contemporary Trade Directory Entries** Name: Town & Country Chemdry Location: 61, Laithes Lane, Barnsley, South Yorkshire, S71 3AQ Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	417	-	434904 409396
43	**Contemporary Trade Directory Entries** Name: Kent Wilfred Ltd Location: Wakefield Rd, Barnsley, South Yorkshire, S71 3LU Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	466	-	434068 409647
44	**Contemporary Trade Directory Entries** Name: Frank Walter & Sons Ltd Location: 439, Wakefield Road, Barnsley, South Yorkshire, S71 3LU Classification: Firefighting Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	483	-	434135 409703
45	**Contemporary Trade Directory Entries** Name: Iron Creations Location: Unit 1, Athersley Managed Workspace Offices, Edwins Close, Barnsley, South Yorkshire, S71 3BH Classification: Metal Products - Fabricated **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NW (E)	538	-	435036 409361

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
45	**Contemporary Trade Directory Entries** Name: A G Pest Management Ltd Location: Unit 9, Athersley Managed Workspace Offices, Edwins Close, BARNSLEY, South Yorkshire, S71 3BH Classification: Pest & Vermin Control **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	538	-	435036 409361
45	**Contemporary Trade Directory Entries** Name: C & D Cleaning Services Ltd Location: Unit 8, Athersley Managed Workspace Offices, Edwins Close, BARNSLEY, South Yorkshire, S71 3BH Classification: Commercial Cleaning Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A14NW (E)	538	-	435036 409361
45	**Contemporary Trade Directory Entries** Name: Sas Location: Athersley Managed Workspace Offices,Edwins Cl, Barnsley, South Yorkshire, S71 3BH Classification: Road Haulage Services **Status:** **Inactive** Positional Accuracy: Manually positioned to the address or location	A14NW (E)	538	-	435036 409360
46	**Contemporary Trade Directory Entries** Name: Booth Bros Location: Wakefield Road, Mapplewell, Barnsley, South Yorkshire, S75 6DJ Classification: Garage Services **Status:** **Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A17SE (NW)	552	-	434033 409727
46	**Contemporary Trade Directory Entries** Name: Dennis Higgs Transport Ltd Location: Wakefield Rd, Staincross, Barnsley, South Yorkshire, S75 6DJ Classification: Mot Testing Centres **Status:** **Active** Positional Accuracy: Manually positioned to the road within the address or location	A17SE (NW)	562	-	434017 409728
47	**Contemporary Trade Directory Entries** Name: D Burton Location: 23, Mansfield Road, Barnsley, South Yorkshire, S71 3BQ Classification: Glass Fibre Moulding, Materials & Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	577	-	434948 409641
48	**Contemporary Trade Directory Entries** Name: John Harper Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NU Classification: Road Haulage Services **Status:** **Active** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	664	-	434916 408733
48	**Contemporary Trade Directory Entries** Name: J T Cars Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NU Classification: Car Dealers - Used **Status:** **Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	666	-	434917 408731
48	**Contemporary Trade Directory Entries** Name: Barnsley & District Traction Co Ltd Location: Wakefield Road, Barnsley, South Yorkshire, S71 1NU Classification: Bus & Coach Operators & Stations **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	675	-	434909 408707
48	**Contemporary Trade Directory Entries** Name: Tarmac Ltd Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NU Classification: Concrete & Mortar Ready Mixed **Status:** **Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	685	-	434924 408710
49	**Contemporary Trade Directory Entries** Name: William Freeman Ltd Location: Suba Seal Works, Wakefield Road, Mapplewell, Barnsley, South Yorkshire, S75 6DH Classification: Rubber & Plastic Products - Manufacturers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	720	-	434025 409913

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
50	**Contemporary Trade Directory Entries** Name: Block 'N' Mesh Location: Unit 2, The Recovery Centre, Wakefield Road, Barnsley, South Yorkshire, S71 1NU Classification: Fencing Manufacturers **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	725	-	434791 408540
51	**Contemporary Trade Directory Entries** Name: *Domestic Appliance Repairs* Location: 137, Laithes Lane, Barnsley, South Yorkshire, S71 3AH Classification: Vacuum Cleaners - Sales & Service **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	747	-	435232 409445
52	**Contemporary Trade Directory Entries** Name: D P A Blinds Location: Darley Av, Barnsley, South Yorkshire, S71 3QF Classification: Blinds, Awnings & Canopies **Status:** **Active** Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	775	-	435235 409008
52	**Contemporary Trade Directory Entries** Name: N C L Location: 18, Darley Avenue, Barnsley, South Yorkshire, S71 3QF Classification: Carpet, Curtain & Upholstery Cleaners **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A14SE (E)	792	-	435257 409019
53	**Contemporary Trade Directory Entries** Name: Spraytex Location: Unit 4,Wakefield Rd, Barnsley, South Yorkshire, S71 1NU Classification: Spraying - Paint & Coatings **Status:** **Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	801	-	434958 408576
54	**Contemporary Trade Directory Entries** Name: Evening Shade Blinds Location: 68, Bar Lane, Mapplewell, Barnsley, South Yorkshire, S75 6DE Classification: Blinds, Awnings & Canopies **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	845	-	433621 409729
54	**Contemporary Trade Directory Entries** Name: Pkm Ironing Services Location: 70, Bar Lane, Mapplewell, Barnsley, South Yorkshire, S75 6DE Classification: Ironing & Home Laundry Services **Status:** **Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	860	-	433611 409739
55	**Contemporary Trade Directory Entries** Name: Link Loyal Ltd Location: Wakefield Rd, Barnsley, South Yorkshire, S71 1NU Classification: Commercial Vehicle Dealers **Status:** **Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	850	-	434968 408518
56	**Contemporary Trade Directory Entries** Name: Barnsley Catering Services Location: Wakefield Road, Mapplewell, Barnsley, South Yorkshire, S75 6DL Classification: Catering Equipment - Servicing & Repairs **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A17NE (NW)	924	-	433891 410073
57	**Contemporary Trade Directory Entries** Name: Djc Industrial Services Ltd Location: Wakefield Road, Barnsley, South Yorkshire, S71 1NH Classification: Industrial Engineers **Status:** **Inactive** Positional Accuracy: Automatically positioned to the address	A9SW (SE)	929	-	434935 408391
58	**Contemporary Trade Directory Entries** Name: Transfix Location: Unit 8 The Maple Ind Est,Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Gearboxes **Status:** **Active** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (W)	952	-	433442 409620

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
58	**Contemporary Trade Directory Entries** Name: In Print Studios Ltd Location: Units 2-3, Courtyard 1,1 Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Printers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	971	-	433449 409682
58	**Contemporary Trade Directory Entries** Name: Gi-Gi Household Products Location: Unit 17a, Courtyard 3, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Footwear Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned in the proximity of the address	A17SW (NW)	976	-	433435 409665
58	**Contemporary Trade Directory Entries** Name: Pelland Concast Location: Unit 5, Courtyard 2, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Concrete Products **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (W)	978	-	433423 409643
58	**Contemporary Trade Directory Entries** Name: The Watercooler Warehouse Ltd Location: Unit 12,Courtyard 3,Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Water Coolers **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	985	-	433422 409659
58	**Contemporary Trade Directory Entries** Name: Flaming Hot Fires Location: Courtyard 3,Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	988	-	433420 409660
58	**Contemporary Trade Directory Entries** Name: Flaming Hot Fires Location: Unit 8,Courtyard 3,Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Fireplaces & Mantelpieces **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	994	-	433415 409664
59	**Contemporary Trade Directory Entries** Name: K J Spares Location: 3, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Motor Cycle Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	965	-	433470 409710
59	**Contemporary Trade Directory Entries** Name: Gb Mantels Location: 7, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	970	-	433473 409725
59	**Contemporary Trade Directory Entries** Name: Flaming Hot Fires Location: 8 Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Gas Suppliers **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	983	-	433454 409719
59	**Contemporary Trade Directory Entries** Name: Barnsley Commercial Sales Location: Wentworth Rd, Mapplewell, Barnsley, South Yorkshire, S75 6DZ Classification: Commercial Vehicle Dealers **Status: Active** Positional Accuracy: Manually positioned to the road within the address or location	A17SW (NW)	993	-	433456 409742
60	**Contemporary Trade Directory Entries** Name: Gail Brayshaw Location: Unit 17a, Courtyard 3, Wentworth Road, Mapplewell, Barnsley, South Yorkshire, S75 6DT Classification: Screen Process Printers **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SW (W)	969	-	433412 409593

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries				
60	Name: *G R Motors* Location: Edward Street, Mapplewell, Barnsley, South Yorkshire, S75 6BL Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A11NE (W)	994	-	433378 409570
	Fuel Station Entries				
61	Name: Station Garage Location: Wakefield Road, Mapplewell, BARNSLEY, South Yorkshire, S75 6DJ Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	563	-	434044 409745

Map ID	Details	Quadrant Reference (Compass	Estimated Distance From Site	Contact	NGR
62	**Areas of Adopted Green Belt** Authority: Barnsley Metropolitan Borough Council, Planning Department Plan Name: Barnsley Unitary Development Plan **Status: Adopted** Plan Date: 31st December 2000	A13SW (W)	254	6	434087 409152
63	**Nitrate Vulnerable Zones** Name: Not Supplied Description: Surface Water Source: Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	(N)	0	8	434809 415331

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Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Wakefield City Metropolitan District Council - Environmental Health	July 2008	Annual Rolling Update
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2007	Annual Rolling Update
Discharge Consents		
Environment Agency - North East Region	*July 2008*	*Quarterly*
Enforcement and Prohibition Notices		
Environment Agency - North East Region	August 2008	As notified
Integrated Pollution Controls		
Environment Agency - North East Region	July 2008	Quarterly
Integrated Pollution Prevention And Control		
Environment Agency - North East Region	July 2008	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	February 2008	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	July 2008	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	February 2008	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	July 2008	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	February 2008	Annual Rolling Update
Wakefield City Metropolitan District Council - Environmental Health	July 2008	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	April 2008	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North East Region	December 1998	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North East Region	August 2008	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - North East Region	August 2008	As notified
Registered Radioactive Substances		
Environment Agency - North East Region	July 2008	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	September 2007	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	August 2007	Annually
Substantiated Pollution Incident Register		
Environment Agency - North East Region - Ridings Area	July 2008	Quarterly
Water Abstractions		
Environment Agency - North East Region	July 2008	Quarterly
Water Industry Act Referrals		
Environment Agency - North East Region	July 2008	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	January 1999	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Source Protection Zones		
Environment Agency - Head Office	April 2008	Variable
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	April 2008	Quarterly

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Data Currency

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	April 2008	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	April 2008	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	April 2008	Quarterly
Flood Defences		
Environment Agency - Head Office	April 2008	Quarterly
Waste	**Version**	**Update Cycle**
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - North East Region - Ridings Area	May 2008	As notified
Integrated Pollution Control Registered Waste Sites		
Environment Agency - North East Region	July 2008	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - North East Region - Ridings Area	May 2008	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - North East Region - Ridings Area	May 2008	Quarterly
Local Authority Landfill Coverage		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards	May 2000	Not Applicable
Wakefield City Metropolitan District Council - Environmental Health	May 2000	Not Applicable
Registered Landfill Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - North East Region - Ridings Area	March 2003	Not Applicable
Hazardous Substances	**Version**	**Update Cycle**
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	April 2008	Bi-Annually
Explosive Sites		
Health and Safety Executive	July 2008	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Barnsley Metropolitan Borough Council - Planning Department	July 2008	Annual Rolling Update
Wakefield City Metropolitan District Council	May 2008	Annual Rolling Update
Planning Hazardous Substance Consents		
Barnsley Metropolitan Borough Council - Planning Department	July 2008	Annual Rolling Update
Wakefield City Metropolitan District Council	May 2008	Annual Rolling Update

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Geological	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2008	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
Brine Compensation Area Cheshire Brine Subsidence Compensation Board	November 2002	As notified
Coal Mining Affected Areas The Coal Authority - Mining Report Service	January 2006	As notified
Mining Instability Ove Arup & Partners	*October 2000*	Not Applicable
Natural and Mining Cavities Peter Brett Associates	December 2005	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2008	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	May 2007	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	May 2007	Annually
Shallow Mining Hazards British Geological Survey - National Geoscience Information Service	August 2002	Not Applicable
Industrial Land Use	**Version**	**Update Cycle**
Contemporary Trade Directory Entries Thomson Directories	May 2008	Quarterly
Fuel Station Entries *Catalist Ltd - (Fuel Station Data)*	June 2008	Quarterly

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Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	December 2000	As notified
Wakefield City Metropolitan District Council	January 2003	As notified
Areas of Unadopted Green Belt		
Barnsley Metropolitan Borough Council - Planning Department	December 2000	As notified
Wakefield City Metropolitan District Council	January 2003	As notified
Areas of Outstanding Natural Beauty		
Natural England	January 2008	Annually
Environmentally Sensitive Areas		
Natural England	January 2008	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	June 2008	Bi-Annually
Marine Nature Reserves		
Natural England	June 2008	Bi-Annually
National Nature Reserves		
Natural England	June 2008	Bi-Annually
National Parks		
Natural England	January 2008	Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2003	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	May 2007	Annually
Ramsar Sites		
Natural England	June 2008	Bi-Annually
Sites of Special Scientific Interest		
Natural England	June 2008	Bi-Annually
Special Areas of Conservation		
Natural England	June 2008	Bi-Annually
Special Protection Areas		
Natural England	June 2008	Bi-Annually

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Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey Licensed Partner
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA
The Coal Authority	THE COAL AUTHORITY
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE
Natural England	NATURAL ENGLAND
Health Protection Agency	Health Protection Agency
Ove Arup	ARUP
Peter Brett Associates	pba

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Useful Contacts

Contact	Name and Address	Contact Details
1	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	**Barnsley Metropolitan Borough Council - Environmental Health and Trading Standards** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
3	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	**The Coal Authority - Mining Report Service** 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG	Telephone: 0845 7626848 Email: thecoalauthority@coal.gov.uk
5	**Wakefield City Metropolitan District Council** Newton Bar, Wakefield, West Yorkshire, WF1 2TX	Telephone: 01924 306090 Fax: 01924 378532 Website: www.wakefield.gov.uk
6	**Barnsley Metropolitan Borough Council - Planning Department** Central Offices, Kendray Street, Barnsley, South Yorkshire, S70 2TN	Telephone: 01226 770770 Fax: 01226 772599 Website: www.barnsley.gov.uk
7	**Natural England** Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings, Otley Road, Lawnswood, Leeds, West Yorkshire, LS16 5QT	Telephone: 0113 2613333 Fax: 0113 230 0879
-	**Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
-	**Landmark Information Group Limited** The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0870 850 6670 Fax: 0870 850 6671 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 4:
Mining Report

CoalSearchPlus+
8, Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH

Tel : 01423 529911
Fax : 01423 529922
DX 720352 Harrogate

COAL SEARCH PLUS +

Protecting your investment

By

David Bellis

CONSULTING SURVEYORS

Coal Mining Search Report

Incorporating Cheshire Brine Enquiries

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COUNCIL OF PROPERTY SEARCH ORGANISATIONS

AFFILIATE MEMBER

WWW.COALSEARCH.PLUS.COM

Coal Mining Search Report

Incorporating Cheshire Brine Enquiries

Serial Number 226448

Client detail :

Solmek
(Site Investigations) Ltd
12 Yarm Road
Stockton on Tees
Cleveland
TS18 3NA

CoalSearchPlus+ by David Bellis Consulting Surveyors
8 Mornington Terrace
Harrogate
North Yorkshire
HG1 5DH
(DX 720352 Harrogate)

Tel 01423 529911
Fax 01423 529922

Practice Principal M J Peace BSc PgDip FGS

Property details:

New Lodge Site
Athersley
S71 1TJ

Your ref : STEPHEN FISK
Purchaser :
Vendor :

In accordance with your instructions received 21 Aug 2008 **we have inspected plans and records of coal mine workings and have made enquiries with respect to Cheshire brine extraction in relation to the above property and can report as follows :**

1. SEAM DETAILS FOR PAST UNDERGROUND COAL MINING : In relation to the property the undermentioned seam(s) have been worked within the likely zone of physical influence on the surface.

Seam	Depth (m)	Sect (cm)	Date	Remarks
Kents Thick	134	55	1907	Adjacent
Haigh Moor	270	137	1927	Adjacent
Lidgett	297	121	1958	Adjacent

2. SEAM DETAILS FOR CURRENT AND FUTURE UNDERGROUND COAL MINING : The undermentioned seam(s) are currently being worked, or licenses to work are being determined, or have been granted to work, within the likely zone of physical influence on the surface in relation to the property.

Seam	Depth (m)	Sect (cm)	Date	Remarks
				Coal in reserve - no workings currently planned.

3. UNDERLYING GEOLOGY :

The property is situated in an area of Woolley Edge Rock over Middle Coal Measures, shales and mudstones.

Serial Number 226448

There are no faults or abnormal features relevant to the property.

4. OPENCAST COAL MINING :

Past Opencast Workings : The property is not situated within the boundary of a former opencast coal mining site.

Present Opencast Workings : The property is not situated within 200m of the boundary of a currently operating opencast coal mining site.

Future Opencast Workings : The property is not situated within 800m of the boundary of an opencast site for which a license to extract coal by opencast methods has been granted or a license to do so is currently being determined.

5. SHAFTS, ADITS (MINE ENTRIES) AND ADDITIONAL INFORMATION :

Inspection of coal mining records indicates that one mine entry is located within 20 metres of the property or the boundary of the property. A plan is attached indicating the approximate position of the mine entry discovered.

There are no tips or lagoons in the vicinity of the property.

There are possible ancient shallow coal mining workings within the likely zone of influence on the surface in the vicinity of the property, for which no accurate plans or records exist.

If additional information is required regarding a mine entry disclosed in a residential coal mining report, a CoalSearchPlus+ Mine Entry Assessment Report can be provided for an additional fee of £50 inc. vat. This will include an assessment of the risk of subsidence damage occurring due to the presence of the mine entry/entries.

Please contact David Bellis Consulting Surveyors on 01423 529911 to order a Mine Entry Assessment Report and arrange payment.

Further information regarding mine entries revealed in commercial/development coal mining reports can also be provided and reports will be tailored to client requirements. Please contact David Bellis Consulting Surveyors, on 01423 529911, to discuss the data that can be provided and agree the fee.

6. NOTICES IN RELATION TO FUTURE COAL MINING ACTIVITY :

We have no knowledge of any intention to work coal by underground methods , within influencing distance on the surface in the vicinity of the property, for which notices have been issued under the Coal Mining Subsidence Act 1991.

7. PAST COAL MINING RELATED SUBSIDENCE :

Our investigations have shown no evidence of coal mining related subsidence claims in relation to the property in the past 10 years.

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8. CONCLUSION (COAL MINING) : **In the light of the above facts we conclude that in relation to coal mining :**

Old workings are present but all settlement is likely to have completed long ago.
In our opinion it is unlikely that coal will be worked in the forseeable future.

COAL MINING RISK LEVEL : **We recommend that the transaction is treated as :**

If development of the site is intended then it would be wise in our opinion to undertake all necessary enquiries and investigations prior to the commencement of works.

Please note that the overall coal mining risk level above is based upon an assessment of the detailed information contained in the body of the report. The risk assessment must be used in conjunction with the detailed report.

CHESHIRE BRINE EXTRACTION INFORMATION :

The property lies outside the Cheshire Brine Compensation District as prescribed by the Cheshire Brine Pumping (Compensation for Subsidence) Act 1952.

With respect to coal mining there is nothing to prevent a claim being made under the provisions of the Coal Mining Subsidence Act 1991 and subsequent legislation, but it must not be inferred that the Coal Authority or their licensees will necessarily accept that any damage has been caused as a result of mining subsidence.

If you require any further information or amplification please contact CoalSearchPlus+ on 01423 529911 or via our website www.coalsearch.plus.com.

Note:
This search report is based upon plans and records currently available from third party organisations and the CoalSearchPlus+ mining record database. Third party organisations reserve the right to vary their proposals and intentions as to their future mining operations without prior notice save as provided in the Coal Mining (subsidence) Act 1991 and the Coal Industry Act 1994.

This is a Coal Mining Search Report and is not to be interpreted as being part of an Environmental Assessment of the property.

We cannot be held responsible for the accuracy of the information provided to us by third party organisations.

The information and/or material supplied is composed from data based in many cases on measurements and records of various standards of reliability and age. We cannot be held responsible for the accuracy of such information.

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This report is prepared in accordance with the CoalSearchPlus+ terms and conditions as published on the CoalSearchPlus+ website (www.coalsearch.plus.com) on the date of issue of this report.

Date : 29 Aug 2008 Signed : *M. J. Peace*

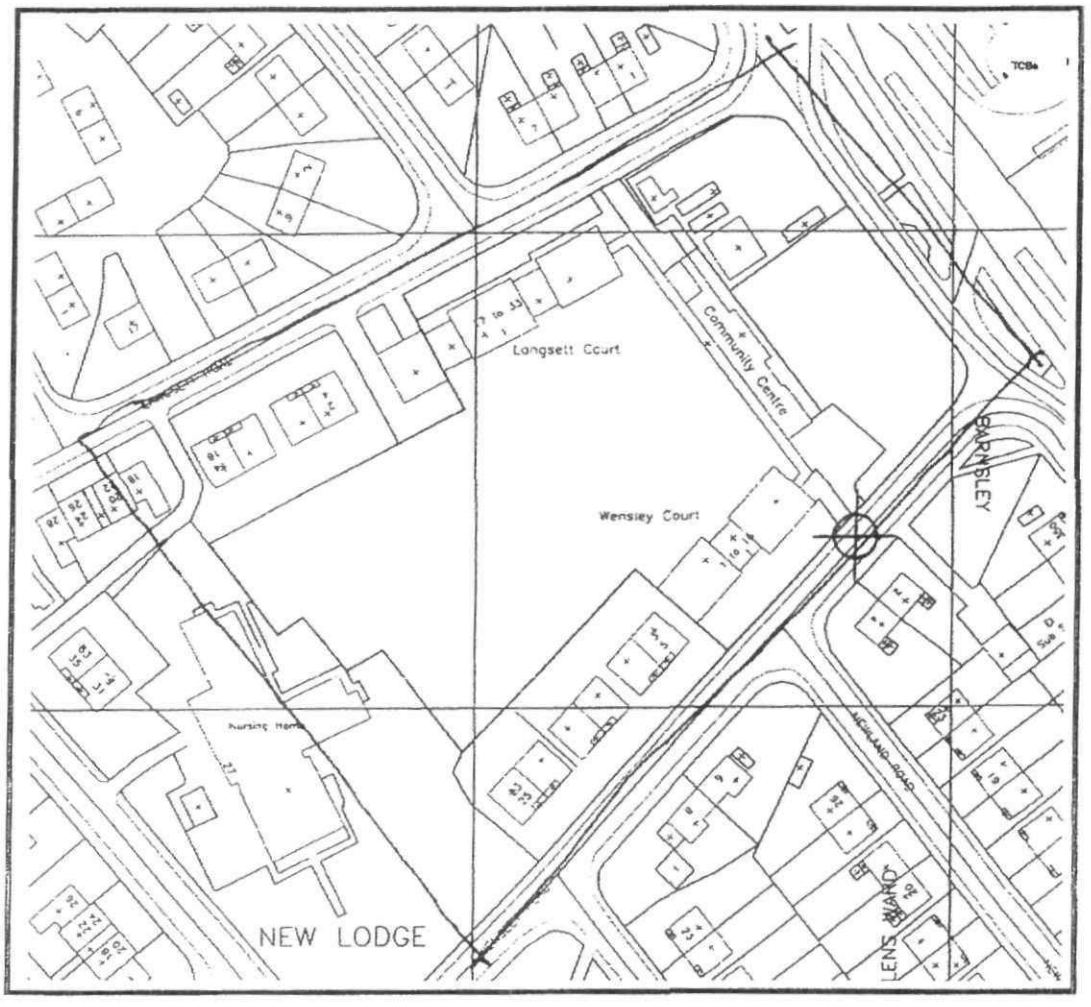
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COAL SEARCH PLUS +
Protecting your investment

FEATURE REFERENCE PLAN FOR SEARCH NUMBER:226448

EXTRACT OF LOCATION PLAN PROVIDED WITH SEARCH INSTRUCTION BY APPLICANT

DATE 29/08/08 NOT TO SCALE



POSITION OF PROPERTY

APPROXIMATE POSITION OF DISUSED SHAFT (IF APPLICABLE) ⊕

APPROXIMATE POSITION OF DISUSED ADIT (IF APPLICABLE) ⇒

This plan shows the approximate position of the disused shaft or adit referred to in the attached Mining Search Report. Property owners have the benefit of the protection of the Coal Mining Subsidence Act 1991 in the event of the occurrence of damage from disused coalmine workings including disused shafts and adits.
The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused shafts and adits).
The emergency telephone numbers are (01623) 427162 during office hours and (01623) 441444 evenings and weekends.

8, Mornington Terrace, Harrogate, North Yorkshire, HG1 5DH
Telephone:- (01423) 529911 Fax:- (01423) 529922 Email:- contact@coalsearch.plus.com DX 720352 Harrogate

COAL SEARCH PLUS +
Protecting your investment

M.J Peace BSc. P Dip. FGS – Practice Principal
Mining Subsidence and Building Consultants

COPSO
COUNCIL OF PROPERTY SEARCH ORGANISATIONS

APPENDIX 5:
Notes on Limitations

Solmek conditions of offer, notes on limitations & basis for contract (ref: version1/2008)

These conditions accompany our tender and supercede any previous conditions issued. Solmek will prepare a report solely for the use of the Client (the party invoiced) and its agent(s). No reliance should be placed on the contents of this report, in whole or in part by 3rd parties. The report, its content and format and associated data are copyright, and the property of Solmek. Photocopying of part or all of the contents, transfer or reproduction of any kind is forbidden without written permission from Solmek. A charge may be levied against such approval, the same to be made at the discretion of Solmek. Solmek is a trading name of Hymas Geoenvironmental Ltd.

Solmek cannot be held liable and do not warrant, or otherwise guarantee the validity of information provided by third parties and subsequently used in our reports. Solmek are not responsible for the action negligent of otherwise of subcontractors or third parties.

Site investigation is a process of sampling. The scope and size of an investigation may be considered proportional to levels of confidence regarding the ground and groundwater conditions. The exploratory holes undertaken investigate only a small volume of the ground in relation to the overall size of the site, and can only provide a general indication of site conditions. The opinions provided and recommendations given in this report are based on the ground conditions as encountered within each of the exploratory holes. There may be different ground conditions elsewhere on the site which have not been identified by this investigation and which therefore have not been taken into account in this report. Reports are generally subject to the comments of the local authority and Environment Agency. The comments made on groundwater conditions are based on observations made at the time that site work was carried out. It should be noted that mobile contamination, ground gas levels and groundwater levels may vary owing to seasonal, tidal and/or weather related effects. Solmek cannot be held liable for any unrecorded or unforeseen obstructions between exploratory boreholes and trial pits. This includes instances where previous structures on the site (buried man made structures) or the presence of boulder clay (cobbles and/or boulder obstructions) have been anticipated. All types of piling operations should make allowance for obstructions within the construction budget to accommodate this. Unrecorded ancient mining may occur anywhere where seams that have been worked and influence the rock and soil above. Dissolution cavities can occur where gypsum or chalk is present. Rotary drilling is the recommended technique to prove the integrity of the rock.

Where the scope of the investigation is limited via access to information, time constraints, equipment limitations, testing, interpretation or by the client or his agents budgetary constraints, elements not set out in the proposal and excluded from the report are deemed to be omitted from the scope of the investigation.

Desk studies are generally prepared in accordance with RICS guidelines. Environmental site investigations are generally undertaken as 'exploratory investigations' in accordance with the definitions provided in paragraph 5.4 of BS 10175:2001 in order to confirm the conceptual assumptions. You are advised to familiarize yourself with the typical scope of such an investigation. No pumping of water will be undertaken unless a licence or facilities/equipment have been arranged by others.

Where the type, number or/and depth of exploratory hole is specified by others, Solmek cannot and will not be responsible for any subsequent shortfall or inadequacy in data, and any consequent shortfall in interpretation of environmental and geotechnical aspects which may be required at a later date in order to facilitate the design of permanent or temporary works.

All information acquired by Solmek in the course of investigation is the property of Solmek, and, only also becomes the joint property of the Client only on the complete settlement of all invoices relating to the project. Solmek reserve the right to use the information in commercial tendering and marketing, unless the Client expressly wishes otherwise in writing. The quoted rates do not include VAT, and payment terms are 30 days from dispatch of invoice from our offices. Quotes are subject to a site visit.

We have allowed for 1 mobilisation and normal working hours unless otherwise stated. The scope of the investigation may be reviewed following the desk study and/or fieldwork. The presence or otherwise of Japanese Knotweed or other invasive plants can be difficult to identify especially during winter months. If Japanese Knotweed or other invasive species are suspect, it should be confirmed by an ecologist. We have not allowed for acquiring services information, and cannot be responsible for damage to underground services or pipes not shown to us or not clearly shown on plans. Costs incurred will be passed on to you, and in commissioning Solmek you understand and accept that you/your agent have a contractual relationship with Solmek & you accept this. Our rates assume unobstructed, reasonably level and firm access to the exploratory positions and adequate clear working areas and headroom. We have priced on the basis that you or your client have the necessary permissions, wayleaves and approvals to access land. All boreholes and pits are backfilled with arisings except where gas monitoring pipes are installed with stopcock covers. Solmek are not responsible for any uneven surfaces as a result of siteworks and rutting and backfilled excavations may require re-levelling and/or making good by others after fieldwork is complete, and Solmek has not allowed for this. No price has been provided or requested for a return visit to remove pipework and covers. Hourly rates apply to consultancy only and do not include expenses unless otherwise shown. If warranties are required, legal costs incurred will be passed on to you assuming Solmek agree to complete such warranties, modified or otherwise and you understand and agree to pay all costs.

We advise you/your client that we may elect to pursue our statutory rights under late payment legislation, and will apply 8% to the base rate for unreasonably late payments. Solmek are exempt from the CIS Scheme. Solmek offer to undertake work only in strict accordance with conditions covered by our current insurances, which are available for inspection. Solmek are not responsible for acts, negligent or otherwise of subcontractors and as a matter of policy cannot indemnify any other parties. Professional indemnity Insurance is limited to ten times the invoice net total except where stated otherwise by Solmek. Solmek give notice that consequential loss as a direct or indirect result of Solmek's activities or omission of the same are excluded.