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# Bowland Meadows Higgin Brook

## Phase 1 Detailed Desk Top Study

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Client Name: Barratt Homes

Client Address: Barratt Homes, 4 Brindley Road, City Park, Manchester, M16 9HQ

Site Address: Bowland Meadows, Higgin Brook, Longridge


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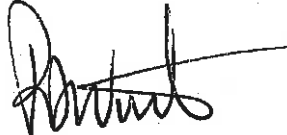


Phase 1 Detailed Desk Top Study

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For and on behalf of Curtins

Planning Guidance: Contamination Statement
<p>Does the site described herein involve any of the following:</p> <p>a. Land which is known to be contaminated? <b>No</b></p> <p>b. Land where contamination is suspected for all or part of the site? <b>Yes</b></p> <p>c. A proposed use that would be particularly vulnerable to the presence of contamination? <b>Yes</b></p>

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## 1.0 Introduction

In January 2014 Curtins were instructed by Barratt Homes to undertake a Phase 1 Geo-Environmental Detailed Desk Top Study of a site located on Bowland Meadows, Higgin Brook, Longridge.

The site is centred on national grid reference 360120, 438040 with an area of 24.76ha. A location plan can be found in Appendix A1.

It is understood that development proposals are for new residential development. The site is currently occupied open fields and farmland.

### **Scope of Phase 1 Investigation – Detailed Desk Top Study**

The desk top study is to be undertaken, principally, to provide an overview of the geo-environmental setting of the site of interest with a brief assessment of any risks that could be presented to site users and the wider environment.

Additionally the desk top study should provide information that could be used to ascertain the extent of any in-situ geo-environmental investigation required to confirm the site conceptual model developed in the desk top study. The desk top study provides an initial view in respect of the status of the site with regard to:

- The potential impact on the site of interest from surrounding land uses and other environmental factors.
- Potential contamination of the site strata by historical and or current use.
- The potential impact on the wider environment by historical and or current use of the site of interest.
- Potential problems associated with geological features such as faulting, mineral extraction, mining and land instability.
- The location of apparent sub-surface structures that may affect the proposed redevelopment.
- The location of above-surface features that may affect the proposed redevelopment.

## 2.0 Phase 1 – Detailed Desk Top Study

In accordance with the scope identified in Section 1.1, this desk top study has been undertaken using the following data sources and involves no intrusive investigations or testing.

- Envirocheck Report.
- British Geological Society 1:50,000 map.
- British Geological Society website.
- Environment Agency website.
- Local Authority records.
- Radon Atlas for England and Wales.

### 2.1 Previous Site Use

Since the earliest historical map dated 1893 the site has been occupied by open fields and farmland. To the north and north east of the site boundary are a number of small ponds bounded by embankments. In 1932 Higgin brook is labelled and runs through the centre of the site.

The historical maps illustrate no existing buildings or developments and has remained unchanged up until the most recent historical map dated 2013.

### 2.2 Surrounding Land Use

Since 1893 the surrounding area adjacent is bounded by Chipping Lane to the east and Higher Lane to the south. Pit street mill is illustrated to the south east of the site approximately 20m and a cluster of residential housing and farm houses including Berry Farm and Crumpax Farm are located approximately 50-60m from the site.

Additionally illustrated on the map is a drinking fountain/trough suspected to be associated with the surrounding farms. Adjacent south west of the site are a few buildings labelled Alston Arms, west of the site boundary approximately 50m is an iron and brass foundry. Surrounding the site towards the east and north east are a number of small ponds between 50-100m from the site boundary.

During 1895 the surrounding area illustrates a number of works, mills and factories approximately being developed, including a gas works and a foundry around 50m south west of the site boundary. The surrounding area is developing, including a railway line running along the south east 500m from site. Towards the east circa 500m is Victoria Mill and 700-800m east is Lords Quarry.

From 1913 to 1914 the historical map continuing urban expansion, which increased in pace around 1961.

By 1970 the surrounding area illustrates a further increase in residential buildings and Longridge town is now expanding. The railway running adjacent to the mills and factories towards the south east has now been dismantled.

From 1975 through 1992 no significant changes to the site or surrounding area, and around 1994 towards the south west approximately 500m is a large pond with a number of small buildings bounding the southern side adjacent to Halfpenny Lane labelled as a substation.

These patterns of redevelopment continued to present day.

The site remains predominantly unchanged up to the most recent historical map dated 2013.

### 2.3 Mapping Data Recorded in the Envirocheck Report

The Envirocheck report contains historical ordnance survey maps (Lancashire and Furness) as identified below.

- 1:2,500 scale maps provided for the survey publication of 1893, 1912, 1932, 1961-1967, 1975, 1975-1992, 1978-1987, 1981-1982, 1992, 1994, 1995, 1996,
- 1:10,000 scale maps for the survey publication of 1956, 1968, 1970, 1976, 1994, 2001, 2006 and 2013.
- 1:10,560 scale maps for the survey publication of 1847, 1895, 1913-1914, 1932,

A summary of the map records is provided on the following pages; a copy of all maps obtained can be referred to in Appendix A2.

Date	Scale	Description
1:2,500 scale maps provided for the survey publication of 1893, 1912, 1932, 1961-1967, 1975, 1975-1992, 1978-1987, 1981-1982, 1992, 1994, 1995, 1996,		
1893	1:2,500	<p>The site is occupied by open fields with occasional woodland.</p> <p>The sites surrounding area adjacent bounding the site is Chipping Lane to the east and Higher Lane to the south. Pit street mill is illustrated to the south east of the site approximately 20m and a cluster of residential housing and farm houses including Berry Farm and Crumpax Farm approximately 50-60m from the site, also illustrated is a drinking fountain/trough suspected to be associated with the surrounding farms. To the south west of the site approximately 50m is Iron and Brass Foundry. Adjacent south west of the site are a few buildings labelled Alston Arms. West of the site boundary approximately 50m in iron and brass foundry. Surrounding the site towards the east and north east are a number of small ponds between 50-100m from the site boundary.</p>
1912	1:2,500	The site and surrounding area remains the same as the previous historical map.
1932	1:2,500	<p>The site remains the same as the previous historical map However there is now a small potential spring towards the south eastern boundary of the site. Through the centre of the site runs a small brook possibly tertiary river which is not labelled but is suspected to be Higgin Brook.</p> <p>The surrounding area remains predominantly unchanged apart from Bobbir Works which is now illustrated approximately 20m south of the site boundary.</p>

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1961-1967	1:2,500	<p>The site remains the same as the previous historical map. Apart from Higgin Brook is now labelled running through the centre of the site.</p> <p>The surrounding area illustrates significant residential housing developments south and south east adjacent to and approximately 50-100m from the site boundary. Further south of the residential buildings is a large building labelled Fell View approximately 100m from the site. There is a large building illustrated and labelled as Ashley Dairy, which is likely to be associated with the surrounding farm land. To the south western corner of the site boundary approximately 10-30m are a few small buildings labelled as Frey Stocks. To the south east of the site adjacent is a number of small buildings labelled as a garage. To the north and north east of the site boundary approximately 50-100m are a number of small ponds bounded by embankments.</p>
1975	1:2,500	<p>South east tiles illustrated only. No significant changes to the site or surrounding area, apart from Ashley Dairy building appears to have been demolished and rebuilt and to the south approximately 50-100m from the site are a number of residential homes with associated gardens.</p>
1975-1992	1:2,500	<p>South and Western tiles illustrated only. No significant changes made to the site.</p> <p>Surrounding area remains predominantly the same apart from a newly established Longridge County Primary School.</p>
1978-1987	1:2,500	<p>Southern tiles illustrated only. No significant changes have been made.</p> <p>The surrounding area illustrates no significant changes, apart from residential developments 100m from the site boundary in the south east.</p>
1981-1992	1:2,500	<p>The site and surrounding area remains predominantly the same with no significant changes made.</p>
1992	1:2,500	<p>South east tiles not illustrated, no significant changes the site or surrounding area.</p>
1994	1:2,500	<p>The site remains the same as the previous historical map.</p> <p>The surrounding area remains unchanged from the previous historical map.</p>
1995	1:2,500	<p>South east tiles illustrated only. There are no significant changes made to the site or surrounding area.</p>
1996	1:1,250	<p>South east tiles illustrated only. There are no significant changes made to the site or surrounding area.</p>
<b>1:10,560 &amp; 1:10,000 Scale Mapping</b>		
1847	1:10,560	<p>The site is open fields and occasional woodland with several small ponds scattered around the site.</p> <p>The surrounding are illustrates no infrastructure only occasional small ponds and farmland with woodland.</p>



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1895	1:10,560	<p>The site remains the same as the previous historical map.</p> <p>The surrounding area illustrates a number of works, mills and factories approximately 100-150m south east including a gas works and a foundry approximately 50m south west of the site boundary. South east 250-500m illustrates the small town of Longridge being developed. There are a number of schools and churches. There is a police station south west, bobbin works and stone bridge mill adjacent to a railway line running along the south eastern boundary approximately 500m from site. Towards the east approximately 500m is Victoria Mill and 700-800m is Lords Quarry.</p>
1913-1914	1:10,560	<p>The site remains the same as the previous historical map.</p> <p>The surrounding are towards the west of the site boundary approximately 100m is Poplar Foundry (Iron and Brass) and Belmont Foundry approximately 500m. Towards the southern edge of the site 100m is Pitt Street Mill. The surrounding area illustrates minor changes showing slight development of residential dwellings in the nearby town of Longridge. 500m South east illustrates two small reservoir adjacent to Victoria Cotton Mill.</p>
1932	1:10,560	<p>The site remains the same as the previous historical map.</p> <p>The surrounding area remains predominantly unchanged illustrating increasing density of Longridge town and residential dwelling towards the south of the site.</p>
1956	1:10,000	<p>The site and surrounding area remain predominantly unchanged.</p>
1968	1:10,000	<p>Western tiles illustrated only. No significant changes to the site or surrounding are.</p>
1970	1:10,000	<p>Eastern tiles illustrated only. No significant changes made to site.</p> <p>The surrounding area illustrates increase in residential buildings and Longridge town is now expanding. The railway running adjacent to the mills and factories towards the south east has now been dismantled</p>
1976	1:10,000	<p>No tiles illustrated on map.</p>
1994	1:10,000	<p>The site remains the same as the previous historical map.</p> <p>The brass and iron foundries towards the west of the site boundary approximately 500m have now been demolished and there are now a number of farmhouses, cottages and a home for the aged. Towards the south west approximately 500m is a large pond with a number of small buildings bounding the southern side adjacent to Halfpenny Lane labelled as a substation.</p> <p>The gas works and mills to the south of the site approximately 500m appear to have been demolished. There are now a number of schools around the area and residential housing. However there are still a number of works surround the site approximately 800m south and 500m towards the east side of the site boundary.</p>

2001	1:10,000	The site remains the same as the previous historical map. The north east corner of the site is a cricket ground and associated Pavilion building. The surrounding area illustrates little changes. Adjacent to the site on the eastern boundary is a large superstore.
2006	1:10,000	The site and surrounding area remain predominantly unchanged from the previous historical map.
2013	1:10,000	The site and surrounding area remains the same as the previous historical map.

## 2.4 Geographical and Special Features

No geographical and/or special features are recorded that could potentially affect redevelopment.

## 2.5 Geology

A study of the Envirocheck records and British Geological Survey (BGS) 1:50,000 mapping records (Bedrock and Superficial Editions) for Garstang (Sheet 067) indicates the following geological succession underlying the site.

Rock Name	Rock Type	Geological Age
Till, Devensian North west corner: Alluvium	Diamicton Clay, Silt, Sand and Gravel	Devensian – Devensian Flandrian - Flandrian
Bowland Shale Formation North Eastern Corner: Pendleside Limestone Formation Through centre of site: Pendleside Sandstone Member South east corner of site: Pendle Grit Member	Mudstone and Siltstone Limestone Sandstone Sandstone and siltstone, interbedded	Yeadonian – Yeadonian Asbian – Holkerian Brigantian – Brigantian Pendleian – Pendleian

There are three fault lines within 1000m of the site.

There are no BGS boreholes located within close proximity to the site.

The Envirocheck Report confirms that there is a low risk to no hazard from the following ground stability hazards on and around the site; running sands, shrinking or swelling clay, collapsible ground, landslides and ground dissolution, however, there is a high risk potential for compressible ground stability hazards.

Both the Radon Atlas for England and Wales, and the Envirocheck Report confirm that the site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however no radon protective measures are deemed necessary in the construction of new dwellings or extensions.

### **2.5.1 Mining**

There are two BGS Recorded Mineral Sites located within 1000m of the site of interest. The closest is located 406m north west.

The Envirocheck report confirms that the site is within an area which is highly unlikely to be affected by coal mining activity. The site lies outside a coal mining referral area, and as such, a Coal Authority report has not been obtained.

### **2.6 Hydrogeology and Hydrology**

The 1:100,000 Sheet 10 Central Lancashire Vulnerability Map indicates that the northern side of the site corresponding with the underlying solid geology which comprises of Mudstones and Siltstones acting as a Secondary A Aquifer and to the south eastern corner of the site which is a secondary undifferentiated.

The vulnerability map indicates that the north western corner corresponding with the underlying superficial geology comprises of silt, clay and sand is underlain by a Secondary A aquifer and the rest of the site superficial geology comprised of till, Diamicton is underlain by an unproductive strata.

**Secondary Undifferentiated** - Not been possible to attribute either category A or B to a rock type. In most cases, this means that the layer in question has previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.

**Secondary A Aquifer** - Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers;

These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

The majority of the site soils present on the site are of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment.

The south eastern corner is Soils of High Leaching Potential (H3) - Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents

The site is not situated within a Source Protection Zone (SPZ).

The nearest surface water feature is a tertiary river (Higgin Brook) located towards the centre of the site.

There is one surface water abstractions within 1000m of the site located 444m south east.

There are no potable water abstractions within 1000m of the site.

There are two groundwater abstraction within 1000m of the site. The closest is located 828m south east.

There are no Pollution incidents, Discharge Consents, Local Authority Pollution Prevention and Controls permits arising from the site.

The site lies in Flood Zone 1 and is therefore at no risk from flooding.

## 2.7 Landfill

The Envirocheck report confirms that there are no BGS Recorded Landfill within 1000m of the site boundary.

There are no historical landfill recorded within 1000m of the site.

There is one recorded Registered Landfill site within 1000m of the site. Located 878m south west, the licence holder was United Utilities Water Ltd at Chapel Hill Quarry, Chapel Lane, Longridge.

## 2.8 Public Utility Records

Public utility information has been obtained as a part of this report.

## 2.9 Preliminary Unexploded Ordnance (UXO) Risk Assessment

The site of interest is located in Longridge, Preston, Lancashire.

Risk mapping for UXOs has placed the site within a Low risk area.

Low-risk regions are those with a bombing density of up to 10 bombs per 1000 acres.

These areas are considered to have a significant but low UXB risk. In general, further action to mitigate the risk is considered prudent, although not essential. Care is required when assessing the risk for specific sites where the risk may be higher because of local wartime activity. Historical maps for the site and surrounding area do not show any evidence of bomb damage post WWII. There are no primary Luftwaffe target within 1000m of the site.

The site has been redeveloped since the end of WW2, increasing the likelihood of detecting any UXO items that may be present on-site.

In light of these findings and in accordance with CIRIA's publication on managing UXO risks, it is recommended that no further action is warranted to address the level of UXO risk at the Site.

## **2.10 Other Significant Features Potentially Affecting Re-Development**

No other significant features are noted that could potentially affect re-development.

### 3.0 Conclusions

#### 3.1 Conceptual Model

The following sub-sections present a non-exhaustive list of the possible sources, pathways and receptors that exist within the site conceptual model for the site.

Potential source-pathway-receptor linkages that may arise are discussed in the following section, the Qualitative Risk Assessment.

A Diagrammatic Conceptual Model is provided in Appendix A3.

##### 3.1.1 Potential Sources

<b>Potential Source (S1): Made-ground Soils On Site</b>
Low Likelihood due to historical evidence of no developments on the site. The nature and type of contamination may include, amongst others; ash and fill, hydrocarbons (e.g. fuel oils), heavy metals, herbicides / pesticides and asbestos.
<b>Potential Source (S2): Made-ground Soils Off Site</b>
Off-site soils have been exposed to patterns of development and demolition so there is potential for contamination to be present in made ground around the site. Taking into account the close proximity of the railway to the west of the site. Potential contaminants could arise due to geological origin, construction activities, atmospheric deposition and land management. The nature and type of general contamination may include, amongst others; ash and fill, hydrocarbons (e.g. fuel oils), heavy metals and asbestos.
<b>Potential Source (S3): Natural Soils both On and Off Site</b>
Regionally elevated levels of metals may be present within the shallow soils, however the superficial and bedrock deposits beneath the site and within the immediate surrounding area are not considered to present significant sources of natural contamination.
<b>Potential Source (S4): Ground Gas Generating Sources</b>
May be present due to made ground deposits surrounding the site from historical developments and land use. Ponds backfilled with unknown material on site pose ground gas generating risk. There are no records of organic rich drift deposits (e.g. peat) or coal measures.



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**Potential Source (S1): Radon Gas**

Both the Radon Atlas for England and Wales, and the Envirocheck Report confirm that the site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however no radon protective measures are deemed necessary in the construction of new dwellings or extensions.

**Potential Source (S2): Unexploded Ordnance**

Risk mapping for UXOs has placed the site within a Low risk area. The historical maps for the site and surrounding area show no bomb damage post WWII and there were no primary targets located within 1000m of the site.

It should be taken into consideration that the site and surrounding area has undergone several stages of redevelopment since this time, lowering the risk of UXO on site.

**Potential Source (S3): Mining Activities**

No mining works are considered to affect the site.

**3.1.2 Potential Pathways**

**Potential Pathway (P1): Direct Contact**

May occur where the end user is exposed to; solid, dust or volatile components of made-ground soils on site.

**Potential Pathway (P2): Vertical Migration**

May occur within the made-ground deposits on-site both upwards, due to processes including; capillary action, burrowing animals inducing soil mixing, and downwards into the natural deposits due to processes including; infiltration and burrowing animals. Includes ground gas migration.

Soils of negligible leaching potential are found onsite.

**Potential Pathway (P3): Horizontal Migration**

May occur within the made-ground or natural deposits due to processes including; the influence of perched or natural groundwater flow patterns and natural or man-made high permeability zones, e.g. sand lenses or drainage runs or pores/voids within natural and made-ground soils for ground gases.

**Potential Pathway (P4): Soil Ingestion**

Unlikely on this site.

**3.1.3 Potential Receptors**

**Potential Receptor (R1): End Users**

Residents, visitors, site maintenance staff and the general public.

Potential Receptor (R2): Controlled Waters (Groundwater)
<p>Corresponding with the underlying solid geology, the site is underlain by a Secondary A Aquifer and to the south eastern corner of the site is underlain by a secondary undifferentiated.</p> <p>The north western corner corresponding with the underlying superficial geology comprises of silt, clay and sand is underlain by a secondary A aquifer and the rest of the site superficial geology comprised of till, Diamicton is underlain by an unproductive strata.</p> <p>The site is not situated within a Source Protection Zone (SPZ)</p> <p>There are two groundwater abstraction within 1000m of the site. The closest is located 828m south east.</p>

Potential Receptor (R3): Controlled Waters (Surface Waters)
<p>The nearest surface water feature is a tertiary river (Higgin Brook) located towards the centre of the site.</p> <p>There is one surface water abstractions within 1000m of the site located 444m south east.</p> <p>There are no potable water abstractions within 1000m of the site.</p>

Potential Receptor (R4): Construction Workers
<p>Whilst unlikely, during the development of the site, construction workers may come into contact with any contamination that is on site. However, wearing the correct personal protective equipment will reduce the risk.</p>

Potential Receptor (R5): Construction Materials
<p>Buried concrete and water supply pipes.</p>

Potential Receptor (R6): Local Ecology
<p>Protected species and local habitats; e.g. hedgerow, grassland and water.</p>

### 3.2 Qualitative Risk Assessment

The qualitative risk assessment details both the source-pathway-receptor linkages and associate level of risk that have been identified for the site.

The rationale for the qualitative risk assessment is described within Appendix A4 and a tabulated summary provided in Table A4.1.

The term 'risk' in this instance refers to the risk that the source, pathway, receptor linkage for a given source of contamination is complete. Unless specifically noted it does not necessarily refer to an immediate risk to individuals or features present on the site from potential contaminants and is intended to be used as a tool to assess the necessity of further investigation.



3.2.1 End User

Asbestos (Phase 1) Risk Assessment - Bowland Meadows Higgin Brook Site	
<b>Potential Source</b>	<b>S1: Made-ground soils on site</b>
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to no historical evidence of development on the site.</i>
<b>Potential Pathway</b>	<b>P1: Direct contact, ingestion and inhalation</b>
<i>Details</i>	<i>Recreational grounds, landscaped areas and internal airspaces.</i>
<b>Potential Receptor</b>	<b>R1: End users</b>
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
<b>Risk</b>	<b>Moderate/Low</b>
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils to confirm quality and composition.</i>

Asbestos (Phase 1) Risk Assessment - Bowland Meadows Higgin Brook Site	
<b>Potential Source</b>	<b>S2: Made-ground soils off site</b>
<i>Likelihood of Occurrence</i>	<i>Likely, due to historical evidence of development and demolition off-site, and given the age of the developments, it is possible that some asbestos may have been present on the site, but it should only remain if demolition activity was poorly managed.</i>  <i>Potential contaminants could arise due to geological origin, construction activities, atmospheric deposition and land management. The nature and type of general contamination may include, amongst others; ash and fill, hydrocarbons (e.g. fuel oils), heavy metals and asbestos.</i>
<b>Potential Pathway</b>	<b>P3 &amp; P1: Horizontal migration then direct contact, ingestion and/or inhalation</b>
<i>Details</i>	<i>Recreational grounds, landscaped areas and internal airspaces.</i>
<b>Potential Receptor</b>	<b>R1: End users</b>
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
<b>Risk</b>	<b>Moderate</b>
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils to confirm quality.</i>

Assessment of Risk to End Users from Natural Soils On and Off Site	
<b>Potential Source</b>	<b>S3: Natural soils on and off site</b>
<i>Likelihood of Occurrence</i>	<i>Low likelihood, due to the nature of the site geology but accounting for contamination of natural soils by on-site and surrounding sources.</i>
<b>Potential Pathway</b>	<b>P1 &amp; P3: Direct contact, ingestion and inhalation and horizontal migration</b>
<i>Details</i>	<i>Either horizontal migration from off site or on-site presence; private gardens, home-grown produce, landscaped areas and internal airspaces.</i>
<b>Potential Receptor</b>	<b>R1: End users</b>
<i>Consequence (Potential Severity)</i>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
<b>Risk</b>	<b>Moderate/Low</b>
<i>Recommendation</i>	<i>Environmental sampling of site natural soils to confirm quality.</i>

Assessment of Risk to End Users from Ground Gas Generating Sources	
<b>Potential Source</b>	<b>S4: Ground gas generation sources (e.g. landfills or made-ground)</b>
<i>Likelihood of Occurrence</i>	<p><i>Low Likelihood, however taking into account made ground deposits across the site from historical developments and land use.</i></p> <p><i>There are no BGS Recorded Landfill within 1000m of the site boundary.</i></p> <p><i>There are no historical landfill recorded within 1000m of the site.</i></p> <p><i>There is one recorded Registered Landfill site within 1000m of the site. Located 878m south west, the licence holder was United Utilities Water Ltd at Chapel Hill Quarry, Chapel Lane, Longridge.</i></p> <p><i>There are no records of organic rich drift deposits (e.g. peat) or coal measures.</i></p>
<b>Potential Pathway</b>	<b>P2 &amp; P3: Vertical and horizontal migration</b>
<i>Details</i>	<i>Direct gassing of on-site soils or migration along natural low permeability horizons within superficial or bedrock deposits.</i>
<b>Potential Receptor</b>	<b>R1: End users</b>
<i>Consequence (Potential Severity)</i>	<i>Severe due to human health effects (explosive, toxic and asphyxiate gases) for all receptors.</i>
<b>Risk</b>	<b>High/Moderate</b>
<i>Recommendation</i>	<i>Ground gas monitoring</i>

Assessment of Risk to End Users from Potential Sources	
<b>Potential Source</b>	<b>S5: Geological deposits with potential to generate radon</b>
<b>Likelihood of Occurrence</b>	<p><i>Unlikely as both the Radon Atlas for England and Wales, and the Envirocheck Report confirm that the site is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level, however no radon protective measures are deemed necessary in the construction of new dwellings or extensions.</i></p> <p><i>No radon protective measures are necessary in the construction of new dwellings or extensions.</i></p>
<b>Potential Pathway</b>	<b>P2 &amp; P3: Vertical and horizontal migration</b>
<b>Details</b>	<i>Direct gassing of on-site soils or migration along natural low permeability horizons within superficial or bedrock deposits.</i>
<b>Potential Receptor</b>	<b>R1: End users</b>
<b>Consequence (Potential Severity)</b>	<i>Medium due to human health effects (chronic and acute) for a sensitive receptor (Residents, visitors, site management staff and general public).</i>
<b>Risk</b>	<b>Low</b>
<b>Recommendation</b>	<i>No action required</i>

Assessment of Risk to End Users from Unexploded Ordnance (UXO)	
<b>Potential Source</b>	<b>S6: Unexploded Ordnance</b>
<b>Likelihood of Occurrence</b>	<p><i>Unlikely as the historical maps for the sites show no primary targets within close proximity of the site and no ruins within close proximity of the site.</i></p> <p><i>The surrounding area shows no bomb damage post WWII, taking into consideration that the site and surrounding area has undergone several stages of redevelopment since this time, lowering the risk of UXO on site, as the likelihood of the bombs already being exploded would increase with this kind of activity.</i></p>
<b>Potential Pathway</b>	<b>P1: Direct contact</b>
<b>Details</b>	<i>All groundwork activities.</i>
<b>Potential Receptor</b>	<b>R1: End Users</b>

<i>Consequence (Potential Severity)</i>	<i>Severe due to human health effects (explosive) for receptor.</i>
<b>Risk</b>	<b>Moderate / Low</b>
<i>Recommendation</i>	<i>No Detailed UXO Report required for the site.</i>

### 3.2.2 Groundwater

Assessment of Risk to Groundwater from Made-Ground Soils On-Site	
<b>Potential Source</b>	<b>S1: Made-ground soils on site</b>
<i>Likelihood of Occurrence</i>	<i>Likely, due to historical evidence of development on both sites.</i>
<b>Potential Pathway</b>	<b>P2: Vertical migration</b>
<i>Details</i>	<i>Leaching or percolation of potential contaminants.</i>
<b>Potential Receptor</b>	<b>R2: Controlled waters (Groundwater)</b>
<i>Consequence (Potential Severity)</i>	<i>Medium as the site is underlain by Secondary A and Secondary Undifferentiated Aquifers.  There are two groundwater abstraction within 1000m of the site. The closest is located 828m south east.  The site is not situated within a Source Protection Zone (SPZ).</i>
<b>Risk</b>	<b>Moderate</b>
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils and groundwater to confirm quality.</i>

### 3.2.3 Surface Water

Assessment of Risk to Surface Water from Made-Ground Soils On-Site	
<b>Potential Source</b>	<b>S1: Made-ground soils on site</b>
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to historical evidence of no development on the site.  There is one surface water feature within 1000m of the site. The nearest is a tertiary river (Higgin Brook) located towards the centre of the site.  There is one surface water abstractions within 1000m of the site located 444m south east.</i>
<b>Potential Pathway</b>	<b>P3: Horizontal migration</b>
<i>Details</i>	<i>Leaching or percolation of potential contaminants.</i>
<b>Potential Receptor</b>	<b>R3: Controlled waters (Surface Waters)</b>

<i>Consequence (Potential Severity)</i>	<i>Medium due to anticipated sensitivity/grade of the closest surface water feature.</i>
<b>Risk</b>	<b>Moderate</b>
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils to confirm quality.</i>

**3.2.4 Construction Workers**

<i>Assessment of Risk to Construction Workers from Unexploded Ordnance (UXO)</i>	
<b>Potential Source</b>	<b>S1 &amp; S2 &amp; S3: Made-ground &amp; natural soils on and off site</b>
<i>Likelihood of Occurrence</i>	<p><i>Made Ground</i>  <i>On-site: Low Likelihood as discussed previously.</i>  <i>Off-site: Likely as discussed previously.</i></p> <p><i>Natural</i>  <i>On-site: Unlikely as discussed previously.</i>  <i>Off-site: Unlikely as discussed previously.</i></p>
<b>Potential Pathway</b>	<b>P1: Direct contact, ingestion and Inhalation</b>
<i>Details</i>	<i>Groundwork and landscaping activities.</i>
<b>Potential Receptor</b>	<b>R4: Construction workers</b>
<i>Consequence (Potential Severity)</i>	<i>Minor due to correct use of personal protective equipment (PPE).</i>
<b>Risk</b>	<b>Negllgible</b>
<i>Recommendation</i>	<i>Environmental sampling of site shallow soils and groundwater to confirm quality.</i>

<i>Assessment of Risk to Construction Workers from Unexploded Ordnance (UXO)</i>	
<b>Potential Source</b>	<b>S6: Unexploded Ordnance</b>
<i>Likelihood of Occurrence</i>	<i>Unlikely of being present on-site due to lack of primary targets within close proximity of the site and no ruins within close proximity of the site.</i>
<b>Potential Pathway</b>	<b>P1: Direct contact</b>
<i>Details</i>	<i>All groundwork activities.</i>
<b>Potential Receptor</b>	<b>R4: End Users</b>



<b>Consequence (Potential Severity)</b>	<i>Severe due to human health effects (explosive) for receptor.</i>
<b>Risk</b>	<b>Moderate / Low</b>
<b>Recommendation</b>	<i>No Detailed UXO Report required for this site.</i>

### 3.2.5 Construction Materials

Assessment of Risk to Construction Materials from Made-Ground Soils On Site	
<b>Potential Source</b>	<b>S1: Made-ground soils on site</b>
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to no historical evidence of development the site.</i>
<b>Potential Pathway</b>	<b>P1: Direct contact</b>
<i>Details</i>	<i>Soil pore water chemistry inducing chemical degradation/fouling.</i>
<b>Potential Receptor</b>	<b>R5: Construction materials</b>
<b>Consequence (Potential Severity)</b>	<i>Mild due to reduced performance of construction materials and human health affects (water supply contamination).</i>
<b>Risk</b>	<b>Low</b>
<b>Recommendation</b>	<i>Environmental sampling of site shallow soils to confirm quality.</i>

### 3.2.6 Local Ecology

Assessment of Risk to Local Ecology from Made-Ground Soils On-Site	
<b>Potential Source</b>	<b>S1: Made-ground soils on site</b>
<i>Likelihood of Occurrence</i>	<i>Low Likelihood, due to the historic evidence of development on both sites, and industry within close proximity to the site boundary.</i>
<b>Potential Pathway</b>	<b>P1 &amp; P3: Direct contact, Ingestion and Inhalation &amp; horizontal migration</b>
<i>Details</i>	<i>Protected species within on-site and local habitats; e.g. woodland, hedgerow, grassland and water.</i>
<b>Potential Receptor</b>	<b>R6: Local ecology</b>
<b>Consequence (Potential Severity)</b>	<i>Minor (no known sensitive ecology on site).</i>
<b>Risk</b>	<b>Negligible</b>
<b>Recommendation</b>	<i>Advice of an ecologist obtained with respect to any requirements.</i>

### 3.2.7 Recommendations

The qualitative risk assessment determined an overall **Negligible to Moderate** level of risk from potential contaminants. The risk to the end user from ground gases is determined to be **High/Moderate**.

Consequently it is recommended that an intrusive investigation is undertaken to confirm the conceptual model or otherwise.

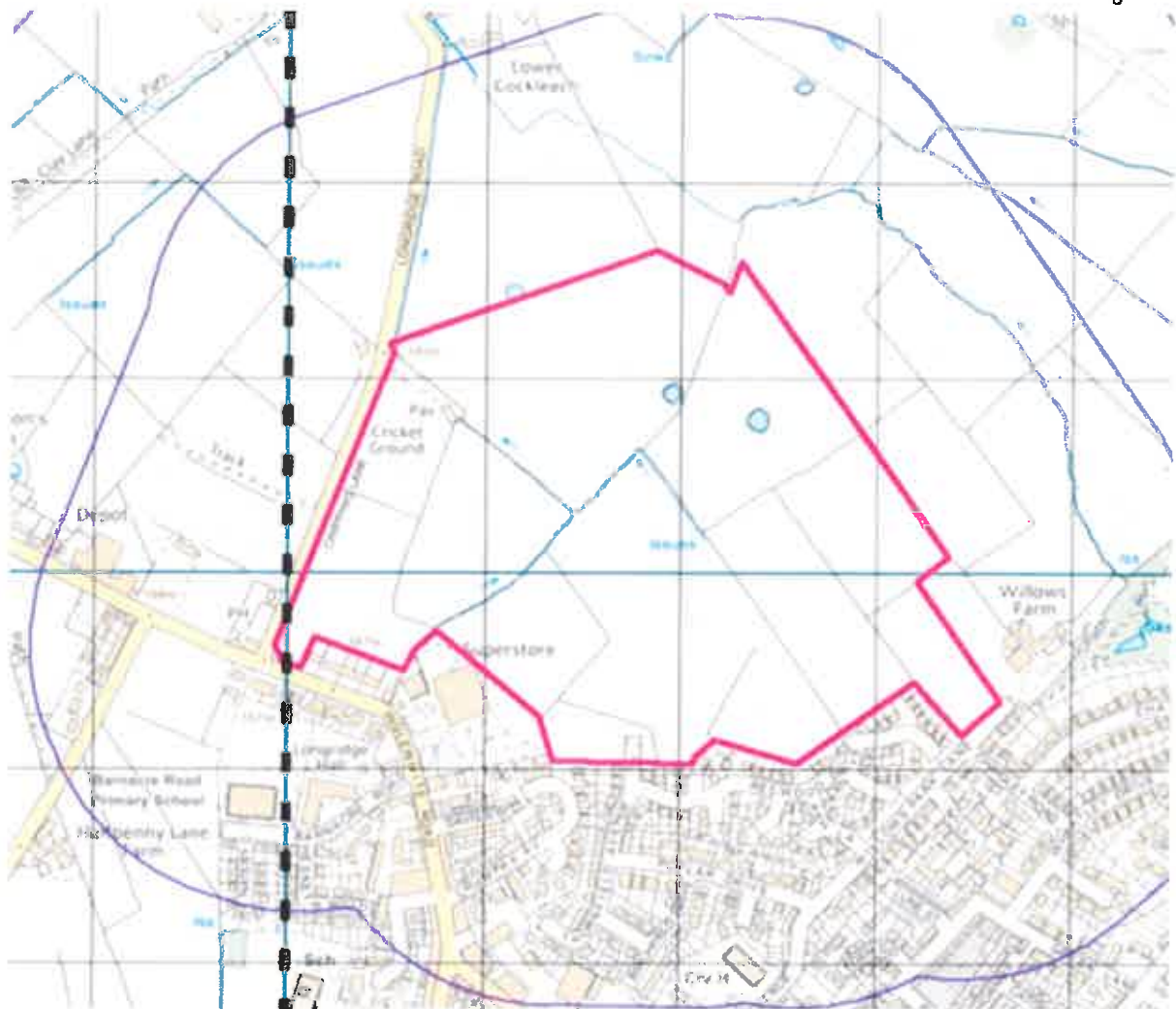
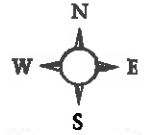
Environmental soil samples for chemical analysis should be obtained to determine if any contamination of the shallow soils and natural ground is present on site. Geotechnical samples should also be obtained in support of the design of foundations and roads.

In addition, the intrusive investigation will allow for the monitoring and sampling of groundwater / gas at the borehole locations.

## **Appendix A1 – Site Location Plan**



# Site Location Plan



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## Key

 Approximate site boundary

**Project**  
Bowland Meadows, Higgin Brook

**Job Reference**  
EB1355

**Author**  
GL

**Drawing Title**  
Site Location Plan

**Date**  
25/07/2014

**Checked**  
AW



10 Oxford Court,  
Bishopsgate,  
Manchester  
M2 3WQ

Tel: 0161 236 2394

**Appendix A2 – Envirocheck Report**

## Envirocheck<sup>®</sup> Report:

### Datasheet

#### Order Details:

**Order Number:**

58654917\_1\_1

**Customer Reference:**

EB1355

**National Grid Reference:**

360120, 438040

**Slice:**

A

**Site Area (Ha):**

24.76

**Search Buffer (m):**

1000

**Site Details:**

Site at 361320, 437950

#### Client Details:

Ms G Lownsbrough  
Curtins Consulting Ltd  
10 Oxford Court  
Bishopsgate  
Manchester  
M2 3WQ

<b>Report Section</b>	<b>Page Number</b>
<b>Summary</b>	-
<b>Agency &amp; Hydrological</b>	<b>1</b>
<b>Waste</b>	<b>15</b>
<b>Hazardous Substances</b>	-
<b>Geological</b>	<b>16</b>
<b>Industrial Land Use</b>	<b>35</b>
<b>Sensitive Land Use</b>	<b>40</b>
<b>Data Currency</b>	<b>41</b>
<b>Data Suppliers</b>	<b>45</b>
<b>Useful Contacts</b>	<b>46</b>

#### **Introduction**

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

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

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**Report Version v47.0**

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Agency &amp; Hydrological</b>					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2	4	9
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control	pg 4				1
Local Authority Pollution Prevention and Controls	pg 4			3	3
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5	Yes			
Pollution Incidents to Controlled Waters	pg 5		5	5	13
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 9			1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register	pg 10				1
Water Abstractions	pg 10			1	2
Water Industry Act Referrals					
Groundwater Vulnerability	pg 10	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	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
Detailed River Network Lines	pg 11	Yes	Yes	Yes	n/a
Detailed River Network Offline Drainage	pg 14		Yes		n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Waste</b>					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 15				1
Licensed Waste Management Facilities (Locations)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites	pg 15				1
Registered Waste Transfer Sites	pg 15				1
Registered Waste Treatment or Disposal Sites					
<b>Hazardous Substances</b>					
Control of Major Accident Hazards Sites (COMAH)					
<b>Explosive Sites</b>					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
<b>Geological</b>					
BGS 1:625,000 Solid Geology	pg 16	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 16	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 31			1	1
<b>BGS Urban Soil Chemistry</b>					
BGS Urban Soil Chemistry Averages					
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain	pg 32	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 32	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 33	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 33	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 33	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 34	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
<b>Industrial Land Use</b>					
Contemporary Trade Directory Entries	pg 35		13	15	26
Fuel Station Entries	pg 39		1	1	1
<b>Sensitive Land Use</b>					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 40				1
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p><b>Discharge Consents</b></p> <p>Operator: United Utilities Water Plc                      Property Type: Water Treatment Works                      Location: Dilworth Wtp Dilworth, Longridge, Preston, Lancashire                      Authority: Environment Agency, North West Region                      Catchment Area: Loud                      Reference: 017190879                      Permit Version: 2                      Effective Date: 15th May 2008                      Issued Date: 15th May 2008                      Revocation Date: Not Supplied                      Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw)                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Higgin Brook, Trib River Loud                      Status: <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>                      Positional Accuracy: Located by supplier to within 10m</p>	A8NE (E)	156	1	360830 438010
1	<p><b>Discharge Consents</b></p> <p>Operator: United Utilities Water Plc                      Property Type: Water Treatment Works                      Location: Dilworth Wtp Dilworth, Longridge, Preston, Lancashire                      Authority: Environment Agency, North West Region                      Catchment Area: Loud                      Reference: 017190879                      Permit Version: 1                      Effective Date: 15th August 2005                      Issued Date: 15th August 2005                      Revocation Date: 14th May 2008                      Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw)                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Higgin Brook, Trib River Loud                      Status: <b>Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)</b>                      Positional Accuracy: Located by supplier to within 10m</p>	A8NE (E)	156	1	360830 438010
2	<p><b>Discharge Consents</b></p> <p>Operator: Fred Wareing                      Property Type: Domestic Property (Single)                      Location: Norwood Inglewhite Road, Longridge, Near Preston, Lancashire, Pr3 2db                      Authority: Environment Agency, North West Region                      Catchment Area: Loud                      Reference: 01488                      Permit Version: 1                      Effective Date: 3rd October 1956                      Issued Date: 3rd October 1956                      Revocation Date: Not Supplied                      Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Trib Of Higgin Brook                      Status: <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>                      Positional Accuracy: Located by supplier to within 10m</p>	A10SE (W)	437	1	359577 438077
3	<p><b>Discharge Consents</b></p> <p>Operator: Mr William Whitwell And Mrs Margaret Pye                      Property Type: Domestic Property (Single)                      Location: Higher Cockleach Farm Chipping Road, Thornley, Longridge, Lancaster, Pr3 2nb                      Authority: Environment Agency, North West Region                      Catchment Area: Not Supplied                      Reference: Npswqd005155                      Permit Version: 1                      Effective Date: 24th October 2008                      Issued Date: 24th October 2008                      Revocation Date: Not Supplied                      Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company                      Discharge: Land/Soakaway                      Environment:                      Receiving Water: Groundwaters Via Soakaway                      Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>                      Positional Accuracy: Located by supplier to within 10m</p>	A15SE (N)	482	1	360171 438770



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p><b>Discharge Consents</b></p> <p>Operator: Frank &amp; Marion Judith Holden  Property Type: Domestic Property (Single)  Location: Copperfield 46 Halfpenny Lane, Longridge, Preston, Lancashire, Pr3 2ea  Authority: Environment Agency, North West Region  Catchment Area: Brock  Reference: 017290607  Permit Version: 1  Effective Date: 9th June 2005  Issued Date: 9th June 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of Blundell Brook  Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A6SE (SW)	491	1	359670 437540
5	<p><b>Discharge Consents</b></p> <p>Operator: Ridgmont Care Homes Ltd  Property Type: Domestic Property (Multiple)  Location: Belmont Residential Home Inglewhite Rd, Longridge, Preston, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Upper Ribble  Reference: 017190181  Permit Version: 1  Effective Date: 22nd October 1985  Issued Date: Not Supplied  Revocation Date: 30th April 1996  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Savick Brook  Status: <b>Lapsed (under Environment Act 1995, Schedule 23)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A6NE (W)	493	1	359500 438000
5	<p><b>Discharge Consents</b></p> <p>Operator: Mr G Higson  Property Type: Not Given  Location: Belmont Residential Care Home , Inglewhite Road , Longridge, PRESTON , Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017290331-01  Permit Version: Not Supplied  Effective Date: Not Supplied  Issued Date: Not Supplied  Revocation Date: Not Supplied  Discharge Type: Public Sewage: Tertiary Treatment  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Treated Sewage Effluent; Outlet To Watercourse; Tributary Blundel Brook  Status: <b>Not Supplied</b>  Positional Accuracy: Located by supplier to within 100m</p>	A6NE (W)	542	1	359450 438000
6	<p><b>Discharge Consents</b></p> <p>Operator: Ridgmont Care Homes Ltd  Property Type: Domestic Property (Multiple)  Location: Belmont Residential Home Inglewhite Rd, Longridge, Preston, Lancashire  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017290331  Permit Version: 1  Effective Date: 7th June 1996  Issued Date: Not Supplied  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Blundel Brook  Status: <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>  Positional Accuracy: Located by supplier to within 100m</p>	A6NE (W)	542	1	359450 437995

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	<p><b>Discharge Consents</b></p> <p>Operator: J M Bruton Esquire                      Property Type: Domestic Property (Single)                      Location: Broadfield Inglewhite Road, Longridge, Preston, Lancashire                      Authority: Environment Agency, North West Region                      Catchment Area: Not Given                      Reference: 017190541                      Permit Version: 1                      Effective Date: 19th July 1995                      Issued Date: Not Supplied                      Revocation Date: Not Supplied                      Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Trib Blundell Brook                      Status: <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b>                      Positional Accuracy: Located by supplier to within 100m</p>	A6NE (W)	590	1	359410 438050
8	<p><b>Discharge Consents</b></p> <p>Operator: G.S. Porter                      Property Type: Domestic Property (Single)                      Location: Bungalow, 37 Halfpenny La, Longridge, Preston, Lancashire, Pr3 2ea                      Authority: Environment Agency, North West Region                      Catchment Area: Brock                      Reference: 011224                      Permit Version: 1                      Effective Date: 29th November 1962                      Issued Date: 29th November 1962                      Revocation Date: Not Supplied                      Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Trib Of Blundell Brook                      Status: <b>Pre National Rivers Authority Legislation where issue date &lt; 01/09/1989</b>                      Positional Accuracy: Located by supplier to within 100m</p>	A6SE (SW)	595	1	359520 437550
9	<p><b>Discharge Consents</b></p> <p>Operator: Orchard Homes Ltd                      Property Type: Domestic Property (Single)                      Location: Plot Adjacent To Rydal House, Whittingham Road, Longridge, Near Preston, Pr3 2ab                      Authority: Environment Agency, North West Region                      Catchment Area: Savick Brook                      Reference: 017290600                      Permit Version: 1                      Effective Date: 3rd May 2005                      Issued Date: 3rd May 2005                      Revocation Date: Not Supplied                      Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Trib Of Blundell Brook                      Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>                      Positional Accuracy: Located by supplier to within 10m</p>	A2NE (SW)	722	1	359640 437280
10	<p><b>Discharge Consents</b></p> <p>Operator: David W. Melling                      Property Type: Domestic Property (Single)                      Location: Copper Beeches, Whittingham Road, Longridge, Preston, Pr3 2ab                      Authority: Environment Agency, North West Region                      Catchment Area: Brock                      Reference: 017190918                      Permit Version: 1                      Effective Date: 18th September 2006                      Issued Date: 18th September 2006                      Revocation Date: Not Supplied                      Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company                      Discharge: Freshwater Stream/River                      Environment:                      Receiving Water: Savick Brook                      Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>                      Positional Accuracy: Located by supplier to within 100m</p>	A3NW (S)	798	1	359900 437100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	<p><b>Discharge Consents</b></p> <p>Operator: Mr A J Davies  Property Type: Domestic Property (Single)  Location: Land Adj To Rydal House Whittingham Road, Longridge, Preston, Lancashire, Pr3 2ab  Authority: Environment Agency, North West Region  Catchment Area: Not Given  Reference: 017290393  Permit Version: 1  Effective Date: 6th May 1999  Issued Date: 6th May 1999  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Highway Drain To Blundel Brook  Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A2NE (SW)	811	1	359640 437180
12	<p><b>Discharge Consents</b></p> <p>Operator: Mr Anthony Jerome Dyson &amp; Mrs Jaqueline Hines  Property Type: Domestic Property (Single)  Location: Whittingham Road, Longridge, Preston, Lancashire, Pr3 2ab  Authority: Environment Agency, North West Region  Catchment Area: Brock  Reference: 017290569  Permit Version: 1  Effective Date: 21st March 2005  Issued Date: 21st March 2005  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Trib Of Blundel Brook  Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 100m</p>	A2NE (SW)	865	1	359500 437200
13	<p><b>Discharge Consents</b></p> <p>Operator: Mr. David Newby  Property Type: Domestic Property (Single)  Location: Willow Tree Barn, Ashley Lane, Goosnargh, Preston, Pr3 2ee  Authority: Environment Agency, North West Region  Catchment Area: Brock  Reference: 017290898  Permit Version: 1  Effective Date: 10th March 2006  Issued Date: 10th March 2006  Revocation Date: Not Supplied  Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company  Discharge: Freshwater Stream/River  Environment:  Receiving Water: Un-Named Trib Blundell Brook  Status: <b>New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b>  Positional Accuracy: Located by supplier to within 10m</p>	A10SW (W)	941	1	359090 438210
14	<p><b>Local Authority Integrated Pollution Prevention And Control</b></p> <p>Name: Jones Stroud Insulations Ltd  Location: Queens Street, Longridge, Preston, Lancashire, PR3 3BS  Authority: Ribble Valley Borough Council, Environmental Health Department  Permit Reference: RVBC/PPC/2/05  Dated: 1st April 2004  Process Type: Other Activities  Description: SG6 Surface treatment using organic solvents  Status: <b>Permit Issued</b>  Positional Accuracy: Manually positioned to the address or location</p>	A3SW (S)	908	2	360003 436939
15	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Booths Service Station  Location: Berry Lane, Longridge, PRESTON, Lancashire, PR3 3NH  Authority: Ribble Valley Borough Council, Environmental Health Department  Permit Reference: RVBC/PPC/23  Dated: 31st July 2000  Process Type: Local Authority Pollution Prevention and Control  Description: PG1/14 Petrol filling station  Status: <b>Permitted</b>  Positional Accuracy: Manually positioned to the address or location</p>	A7SE (S)	257	2	360286 437550

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
15	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Syd Brown &amp; Sons            Location: Berry Lane, Longridge, PRESTON, Lancashire, PR3 3NH            Authority: Ribble Valley Borough Council, Environmental Health Department            Permit Reference: Rvbc/Epa/17/96            Dated: 29th February 1996            Process Type: Local Authority Air Pollution Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input            Status: <b>Authorisation revokedRevoked</b>            Positional Accuracy: Manually positioned to the address or location</p>	A7SE (S)	257	2	360266 437550
16	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Longridge Dry Cleaners            Location: 6 Townley Parade, Longridge, Preston, Pr3 3hu            Authority: Ribble Valley Borough Council, Environmental Health Department            Permit Reference: RVBC/PPC/53            Dated: 5th December 2006            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/46 Dry cleaning            Status: <b>Permitted</b>            Positional Accuracy: Manually positioned to the address or location</p>	A8SW (SE)	339	2	360368 437466
17	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Bonds Of Longridge            Location: Kestor Lane, Longridge, PRESTON, Lancashire, PR3 3AE            Authority: Ribble Valley Borough Council, Environmental Health Department            Permit Reference: RVBC/PPC/21            Dated: 31st July 2000            Process Type: Local Authority Pollution Prevention and Control            Description: PG1/14 Petrol filling station            Status: <b>Permitted</b>            Positional Accuracy: Automatically positioned to the address</p>	A3NE (S)	664	2	360145 437155
18	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: T D G Ltd            Location: Daniel Platt Garage, Whittingham Road, Longridge, PRESTON, Lancashire, PR3 2AD            Authority: Preston City Council, Environmental Health Department            Permit Reference: Pn 24            Dated: 18th June 1996            Process Type: Local Authority Air Pollution Control            Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input            Status: <b>Authorised</b>            Positional Accuracy: Manually positioned to the address or location</p>	A3NW (S)	761	3	359896 437144
19	<p><b>Local Authority Pollution Prevention and Controls</b></p> <p>Name: Jones Stroud Insulations Plc            Location: Queen Street, Longridge, PRESTON, Lancashire, PR3 3BS            Authority: Ribble Valley Borough Council, Environmental Health Department            Permit Reference: PPC/02/05            Dated: 31st January 1994            Process Type: Local Authority Pollution Prevention and Control            Description: PG6/10 Coating manufacturing            Status: <b>Transferred to LAIPPC</b>            Positional Accuracy: Manually positioned to the address or location</p>	A3SW (S)	945	2	359960 436914
	<b>Nearest Surface Water Feature</b>	A12SW (NE)	0	-	360406 438219
20	<p><b>Pollution Incidents to Controlled Waters</b></p> <p>Property Type: Not Given            Location: Lancashire            Authority: Environment Agency, North West Region            Pollutant: Oils - Unknown            Note: Higgin Bk; Light Oil            Incident Date: 10th May 1996            Incident Reference: 96340038            Catchment Area: Hodder            Receiving Water: Not Given            Cause of Incident: Other Incident/Unknown            Incident Severity: Category 3 - Minor incident            Positional Accuracy: Located by supplier to within 100m</p>	A7NE (S)	7	1	360100 437900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Office Location: Higgin Brook Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Not Supplied Incident Date: Not Supplied Incident Reference: CE980843 Catchment Area: Hodder Receiving Water: Freshwater Stream/River Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (S)	9	1	360105 437895
20	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Higgins Bk Near , LONGRIDGE Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Higgin Bk; Poss Paint Incident Date: 18th June 1997 Incident Reference: 97340065 Catchment Area: Hodder Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NE (S)	11	1	360100 437895
21	<b>Pollution Incidents to Controlled Waters</b> Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Milk Note: Higgin Brook Incident Date: 8th November 1993 Incident Reference: 83340102 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A7NE (S)	69	1	360200 437800
22	<b>Pollution Incidents to Controlled Waters</b> Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Silage Liquor Note: Higgin Brook Incident Date: 6th August 1994 Incident Reference: 94340119 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Leaking Silo Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NE (N)	218	1	360200 438500
23	<b>Pollution Incidents to Controlled Waters</b> Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Pig Slurry Note: Higgin Brook Catchment Incident Date: 10th November 1991 Incident Reference: 91340110 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7NW (W)	288	1	359700 437900
24	<b>Pollution Incidents to Controlled Waters</b> Property Type: Construction: Construction Of Buildings Location: Lower Cockleach Farm Authority: Environment Agency, North West Region Pollutant: Organic Chemicals : Red Gas Oil Note: Not Supplied Incident Date: 30th January 1999 Incident Reference: 1921 Catchment Area: Higgin Brook Receiving Water: River Stretch (Freshwater) Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NE (N)	308	1	360200 438595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Chipping Lane, LONGRIDGE Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Urban Runoff Note: Not Supplied Incident Date: 14th July 1998 Incident Reference: CE980634 Catchment Area: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A11NE (N)	312	1	360200 438600
25	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Industrial Effluent Note: Hlggin Brook; Milk Waste Incident Date: 17th September 1993 Incident Reference: 93340084 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A11NE (N)	345	1	360100 438600
26	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Animal Waste/Slurry Note: Not Supplied Incident Date: 21st November 1991 Incident Reference: 91310203 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A6NE (W)	394	1	359600 438000
27	<b>Pollution Incidents to Controlled Waters</b> Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Pig Slurry Note: Tributary Blundells Bk Incident Date: 23rd June 1992 Incident Reference: 92310110 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	501	1	359600 437600
27	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Not Given Note: Not Supplied Incident Date: 22nd June 1992 Incident Reference: 92310106 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	504	1	359600 437595
28	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Tributary Blundell Brk Incident Date: 11th August 1993 Incident Reference: 93310109 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	568	1	359600 437500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Blundel Brook Incident Date: 30th January 1995 Incident Reference: 95310010 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	710	1	359500 437400
30	<b>Pollution Incidents to Controlled Waters</b> Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Cattle slurry Note: Savick Brook Incident Date: 18th February 1994 Incident Reference: 94410020 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Land Runoff Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A10SW (W)	777	1	359300 438300
31	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Affected; Petrol To Drains Incident Date: 7th November 1998 Incident Reference: 96340091 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Road Traffic Accident Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3SW (S)	850	1	360001 437001
32	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Blundel Brook Incident Date: 25th October 1994 Incident Reference: 94310129 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	851	1	359400 437300
32	<b>Pollution Incidents to Controlled Waters</b> Property Type: Private Sewage: Sewage Works And Septic Tanks Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Blundel Brook Incident Date: 23rd March 1995 Incident Reference: 95310038 Catchment Area: Wyre Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A2NE (SW)	855	1	359400 437295
33	<b>Pollution Incidents to Controlled Waters</b> Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Savick Brook Incident Date: 8th March 1994 Incident Reference: 94410033 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Wrong Connection Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A3SW (S)	888	1	359900 437000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
34	<b>Pollution Incidents to Controlled Waters</b> Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Higgin Bk; Soil Incident Date: 17th December 1996 Incident Reference: 96340101 Catchment Area: Hodder Receiving Water: Not Given Cause of Incident: Land Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3SE (S)	906	1	360300 436900
35	<b>Pollution Incidents to Controlled Waters</b> Property Type: Domestic & Residential: Private Dwellings Location: Longridge, LONGRIDGE, Lancashire Authority: Environment Agency, North West Region Pollutant: Sewage - Septic Tank Effluent Note: Not Supplied Incident Date: 12th August 1999 Incident Reference: 31556 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unauthorised Activity : Unconsented Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A3SW (S)	927	1	359800 437000
36	<b>Pollution Incidents to Controlled Waters</b> Property Type: Boats/Ships Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Found Incident Date: 24th May 1994 Incident Reference: 94410079 Catchment Area: Ribble - Tidal Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A3SW (S)	955	1	359700 437000
37	<b>Pollution Incidents to Controlled Waters</b> Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Organic Wastes: Poultry Manure (solid) Note: Tributary Savick Brook Incident Date: 11th December 1991 Incident Reference: 91320263 Catchment Area: Ribble - Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A2SE (SW)	991	1	359600 437000
	<b>River Quality</b> Name: Higgin Bk GQA Grade: River Quality D Reach: Qsl At Cockleach To Loud Estimated Distance .9 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A11NE (N)	392	1	360036 438627
	<b>River Quality</b> Name: Loud GQA Grade: River Quality C Reach: Qsl At Higher Bridge To Higgin Bk Estimated Distance 3.4 (km): Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A15NE (N)	1000	1	360350 439330



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	<b>Substantiated Pollution Incident Register</b> Authority: Environment Agency - North West Region, North Area Incident Date: 3rd March 2008 Incident Reference: 568402 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Inert : Construction / Demolition Material	A10SE (NW)	519	1	359582 438309
39	<b>Water Abstractions</b> Operator: Martin Carefoot Licence Number: 2672409010 Permit Version: Not Supplied Location: Lyndhurst, LONGRIDGE Authority: Environment Agency, North West Region Abstraction: Not Supplied Abstraction Type: Not Supplied Source: Unknown Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Unnamed Watercourse (Field Drains) 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	A6SE (SW)	447	1	359600 437700
40	<b>Water Abstractions</b> Operator: Singletons Dairy Ltd Licence Number: Nw/071/0348/002 Permit Version: 1 Location: Mill Farm Borehole Authority: Environment Agency, North West Region Abstraction: Dairies: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Premises At Mill Farm, Preston Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 27th June 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SE (S)	828	1	360176 436984
41	<b>Water Abstractions</b> Operator: Singletons Dairy Ltd Licence Number: 2671348013 Permit Version: 100 Location: Borehole At Mill Farm, Preston Road, Longridge Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 327 Yearly Rate (m3): 118469 Details: Land & Premises At Mill Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 15th August 1989 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SE (S)	910	1	360200 436900
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 10 Central Lancashire Scale: 1:100,000	A7NE (NW)	0	1	360121 438045
	<b>Groundwater Vulnerability</b> Soil Classification: Soils of High Leaching Potential (H3)- Coarse textured or moderately shallow soils which readily transmit non-absorbed pollutants and liquid discharges but which have some ability to attenuate absorbed pollutants because of their large clay or organic matter contents Map Sheet: Sheet 10 Central Lancashire Scale: 1:100,000	A8SW (SE)	0	1	360544 437722

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Drift Deposits</b> Drift Deposit: Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickearth, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 10 Central Lancashire Scale: 1:100,000	A7NE (NW)	0	1	360121 438045
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - Undifferentiated	A7NE (SE)	0	4	360325 437821
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A8SW (SE)	0	4	360466 437722
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A7NE (NW)	0	4	360121 438045
	<b>Bedrock Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A7NW (W)	0	4	360001 438045
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Secondary Aquifer - A	A11SE (N)	0	4	360151 438155
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A7NW (W)	0	4	360001 438045
	<b>Superficial Aquifer Designations</b> Aquifer Designation: Unproductive Strata	A7NE (NW)	0	4	360121 438045
	<b>Extreme Flooding from Rivers or Sea without Defences</b> None				
	<b>Flooding from Rivers or Sea without Defences</b> None				
	<b>Areas Benefiting from Flood Defences</b> None				
	<b>Flood Water Storage Areas</b> None				
	<b>Flood Defences</b> None				
42	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A7NE (E)	0	1	360289 438064
43	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course Name: Not Supplied Water Course Reference: Not Supplied	A11SE (NE)	0	1	360174 438159

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Higgin Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A7NE (SE)	0	1	360166 437954
45	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11SE (NE)	0	1	360193 438143
46	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Higgin Brook Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11SE (N)	0	1	360106 438235
47	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (NE)	42	1	360362 438421
48	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SW (NE)	133	1	360574 438392
49	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12SW (NE)	133	1	360574 438392

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	<b>Detailed River Network Lines</b> River Type: Extended Culvert (greater than 50m) River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (NE)	147	1	360299 438460
51	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (N)	147	1	360232 438451
52	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (NE)	205	1	360387 438536
53	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (NE)	214	1	360644 438432
54	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A12NW (NE)	214	1	360644 438432
55	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (N)	231	1	360189 438509

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (N)	270	1	360163 438543
57	<b>Detailed River Network Lines</b> River Type: Tertiary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NW (NW)	333	1	359865 438474
58	<b>Detailed River Network Lines</b> River Type: Secondary River River Name: Not Supplied Hydrographic Area: D011 River Flow Type: Primary Flow Path River Surface Level: Surface Drain Feature: Not a Drain Flood Risk: Other Rivers Management Status: Water Course: Not Supplied Name: Water Course: Not Supplied Reference:	A11NE (N)	390	1	360091 438644
59	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D011	A11SW (NW)	119	1	360006 438305
60	<b>Detailed River Network Offline Drainage</b> River Type: Tertiary River Hydrographic Area: D011	A11SW (NW)	159	1	359977 438333

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	<p><b>Licensed Waste Management Facilities (Landfill Boundaries)</b></p> <p>Name: Chapel Hill Quarry            Licence Number: 54011            Location: Chapel Hill Quarry, Longridge, Preston, Lancashire, PR3            Licence Holder: United Utilities Water Ltd            Authority: Environment Agency - North West Region, North Area            Site Category: Landfills Taking Non-biodegradable Wastes (Not Construction)            Max Input Rate: Not Supplied            Licence Status: Issued            Issued: Not Supplied            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: As Supplied</p>	A4SW (S)	872	1	360413 436933
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Ribble Valley Borough Council            - Had landfill data but passed it to the relevant environment agency</p>		0	2	360121 438045
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Lancashire County Council            - Had landfill data but passed it to the relevant environment agency</p>		0	7	360121 438045
	<p><b>Local Authority Landfill Coverage</b></p> <p>Name: Preston Borough Council            - Has no landfill data to supply</p>		8	3	360037 438077
62	<p><b>Registered Landfill Sites</b></p> <p>Licence Holder: United Utilities Water Ltd            Licence Reference: L 79            Site Location: Chapel Hill Quarry, Chapel Lane, Longridge, Preston, Lancashire            Licence Easting: Not Supplied            Licence Northing: Not Supplied            Operator Location: Lingley Mere, Lingley Green Avenue, Great Sankey, Warrington, Cheshire, Wa5 3lp            Authority: Environment Agency - North West Region, Central Area            Site Category: Landfill            Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)            Waste Source: Some restriction on source of waste            Restrictions:            Status: Site dormant            Dated: 1st October 1992            Preceded By: L 79            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Positioned by the supplier            Boundary Accuracy: Moderate            Authorised Waste: Concrete, Brick, Tarmac            Fully Polymerised Mat'L            Max.Waste Permitted By Licence            Soil, Clay, Natural Sand, Rock            Prohibited Waste: Clinical Wastes            Liable To Cause Environmental Harm            Waste N.O.S.</p>	A4SW (S)	874	1	360416 436930
63	<p><b>Registered Waste Transfer Sites</b></p> <p>Licence Holder: Walter Carefoot &amp; Sons Ltd            Licence Reference: L 523            Site Location: Blackpool Road, Longridge, Preston, Lancashire            Operator Location: As Site Address            Authority: Environment Agency - North West Region, Central Area            Site Category: Transfer            Max Input Rate: Very Small (Less than 10,000 tonnes per year)            Waste Source: Some restriction on source of waste            Restrictions:            Licence Status: Licence has completion certificateSurrendered            Dated: 1st July 1993            Preceded By: Not Given            Licence:            Superseded By: Not Given            Licence:            Positional Accuracy: Manually positioned to the address or location            Boundary Quality: Not Supplied            Authorised Waste: Foliage,Shavings,Sawdust Or Their Prod            Glass,Cement            Max.Waste Permitted By Licence            Non-Haz.Metals            Plasterboard/Plaster            Plastic Packaging &amp; Paper            Slate,Concrete,Brick,Ceramics,Stone            Soil,Clay,Nat'L Sand, Rock            Timber, Treated Or Untreated            Clinical Wastes            Prohibited Waste: Waste N.O.S. Whether Treated Or Not</p>	A3NE (S)	608	1	360050 437240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS 1:625,000 Solid Geology</b> Description: Tournaisian and Viséan (Carboniferous Limestone Series)	A7NE (NW)	0	4	360121 438045
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (NW)	0	5	360121 438045
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (E)	0	5	360520 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (E)	0	5	360460 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NW (W)	0	5	360000 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SE)	0	5	360223 437918
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (SE)	0	5	360466 437721



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A7NE (E)	0	5	360310 438000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A7NE (S)	0	5	360121 438000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A7NE (SE)	0	5	360325 437821
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A11SE (N)	0	5	360151 438154
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A11SE (NW)	0	5	360073 438098
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A11SE (N)	0	5	360137 438160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	16	5	360000 438031
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (N)	20	5	360229 438331
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (N)	23	5	360059 438226
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	27	5	360000 438045
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (NW)	31	5	360038 438150
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (NW)	44	5	360007 438177

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A7NW (W)	48	5	359966 438000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 90 - 120 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A8NE (E)	53	5	360725 438000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A11SE (N)	54	5	360046 438256
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A12SW (NE)	54	5	360421 438370
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A11SE (N)	54	5	360238 438363
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A11SW (NW)	60	5	360000 438213

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (N)	76	5	360180 438343
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (NW)	76	5	360000 438162
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (NW)	79	5	360000 438171
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SW (NW)	83	5	359995 438167
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (NE)	85	5	360394 438414
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11SE (N)	86	5	360198 438360

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A11SW (NW)	95	5	359981 438195
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A11SE (N)	97	5	360215 438377
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A12NW (NE)	100	5	360409 438426
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A11SE (N)	106	5	360169 438370
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A11SW (NW)	107	5	359979 438193
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A11SE (N)	119	5	360192 438393

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SW (NE)	158	5	360654 438322
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A11NE (NE)	167	5	360333 438491
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8SE (SE)	170	5	360820 437708
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (E)	184	5	360739 438248
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	200	5	359802 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (E)	220	5	360855 438142

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (NE)	222	5	360729 438330
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (W)	239	5	359760 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8SE (SE)	263	5	360712 437483
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (E)	267	5	360960 438012
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NE (E)	273	5	361000 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 30 - 45 mg/kg Concentration:	A8NE (E)	293	5	361000 437761



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: <15 mg/kg	A8NE (E)	303	5	361000 438045
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 90 - 120 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (E)	334	5	361000 438089
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SW (SE)	342	5	360681 437410
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8SE (SE)	342	5	361000 437662
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7SW (S)	395	5	360000 437508
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <150 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (E)	423	5	361000 438289

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A12NE (NE)	502	5	361000 438428
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A12NE (NE)	506	5	360937 438524
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A16SW (NE)	521	5	360653 438804
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A16SW (NE)	521	5	360623 438815
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A16SW (N)	521	5	360427 438886
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A16SE (NE)	538	5	360769 438762

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NE)	541	5	361000 438495
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NE)	547	5	361000 438507
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A4NE (SE)	554	5	361000 437372
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A4NE (SE)	558	5	360795 437175
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SE (N)	617	5	360066 438876
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (NE)	628	5	361000 438646

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 90 - 120 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A3NW (S)	641	5	360000 437225
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A12NE (NE)	646	5	361000 438678
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A12NE (NE)	655	5	361016 438672
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: &lt;15 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A15SE (N)	669	5	360160 439000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A16SE (NE)	691	5	360884 438867
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic Concentration: 15 - 25 mg/kg</p> <p>Cadmium Concentration: &lt;1.8 mg/kg</p> <p>Chromium Concentration: 60 - 90 mg/kg</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel Concentration: 15 - 30 mg/kg</p>	A16SE (NE)	701	5	360913 438856

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SE (N)	704	5	360121 439000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SE (N)	716	5	360120 439000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NE)	735	5	361000 438820
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NE)	736	5	361003 438819
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A15SW (N)	756	5	360000 439000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6SW (W)	787	5	359226 437715

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 30 - 45 mg/kg</p> <p>Concentration:</p>	A3SE (S)	805	5	360289 437000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A4SW (S)	805	5	360387 437000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A3SE (S)	807	5	360121 437000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 90 - 120 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A4SW (SE)	813	5	360634 437000
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic &lt;15 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A15NE (N)	813	5	360253 439135
	<p><b>BGS Estimated Soil Chemistry</b></p> <p>Source: British Geological Survey, National Geoscience Information Service</p> <p>Soil Sample Type: RuSoilExAs</p> <p>Arsenic 15 - 25 mg/kg</p> <p>Concentration:</p> <p>Cadmium &lt;1.8 mg/kg</p> <p>Concentration:</p> <p>Chromium 60 - 90 mg/kg</p> <p>Concentration:</p> <p>Lead Concentration: &lt;150 mg/kg</p> <p>Nickel 15 - 30 mg/kg</p> <p>Concentration:</p>	A16SE (NE)	836	5	361000 438959

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3SW (S)	851	5	360000 437000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NE)	865	5	360996 439000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A6NW (W)	865	5	359125 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NE)	868	5	361000 439000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A16SE (NE)	871	5	361000 439005
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A4SE (SE)	891	5	361000 437000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A3SW (S)	933	5	359778 437000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A5NE (W)	987	5	359000 438000
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	A5NE (W)	990	5	359000 438045
	<b>BGS Estimated Soil Chemistry</b> Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: RuSoilExAs Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 90 - 120 mg/kg Concentration: Lead Concentration: <150 mg/kg Nickel 15 - 30 mg/kg Concentration:	(SE)	997	5	381039 436854
64	<b>BGS Recorded Mineral Sites</b> Site Name: Thornley Brick & Tile Works Location: Old Clay Lane, Longridge, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 92685 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Hodder Mudstone Formation Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A11NW (NW)	404	4	359847 438548
65	<b>BGS Recorded Mineral Sites</b> Site Name: Chapel Field Quarry Location: Longridge, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 92681 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Unknown Operator Periodic Type: Carboniferous Geology: Pendle Grit Member Commodity: Sandstone Positional Accuracy: Located by supplier to within 10m	A4SW (S)	971	4	360364 436834
	<b>BGS Measured Urban Soil Chemistry</b> No data available				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>BGS Urban Soil Chemistry Averages</b> No data available				
	<b>Coal Mining Affected Areas</b> In an area that might not be affected by coal mining				
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Non Coal Mining Areas of Great Britain</b> Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A8SW (SE)	0	4	360466 437722
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (N)	0	4	360151 438155
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	31	4	360039 438151
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A12SW (NE)	55	4	360422 438371
	<b>Potential for Collapsible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	76	4	360001 438162
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A11SE (N)	0	4	360151 438155
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	31	4	360039 438151
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A12SW (NE)	55	4	360422 438371
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	76	4	360001 438162
	<b>Potential for Compressible Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	88	4	360803 437827
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (N)	0	4	360138 438160
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	4	360073 438098
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (N)	21	4	360230 438332

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	27	4	360001 438045
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	31	4	360039 438151
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	44	4	360006 438177
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	69	4	359995 438168
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	76	4	360001 438162
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	79	4	360001 438172
	<b>Potential for Ground Dissolution Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A12NW (NE)	86	4	360394 438415
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Potential for Landslide Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11SE (N)	0	4	360151 438155
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SW (NE)	55	4	360422 438371
	<b>Potential for Running Sand Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (SE)	170	4	360821 437709
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	31	4	360039 438151
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SW (NW)	76	4	360001 438162
	<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A8SE (SE)	170	4	360821 437709
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Radon Potential - Radon Protection Measures</b> Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	0	4	360376 437776
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A7NE (NW)	0	4	360121 438045
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in an intermediate probability radon area, as between 1 and 3% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A7NW (W)	0	4	360001 438045
	<b>Radon Potential - Radon Affected Areas</b> Affected Area: The property is in a lower probability radon area, as less than 1% of homes are above the action level Source: British Geological Survey, National Geoscience Information Service	A8NW (SE)	0	4	360376 437776

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	<b>Contemporary Trade Directory Entries</b> Name: Barritt Associates Ltd Location: 6, Firwood Close, Longridge, Preston, PR3 3HB Classification: Glass Engravers & Decorators Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SE)	6	-	360397 437799
67	<b>Contemporary Trade Directory Entries</b> Name: Irelands Ltd Location: 60, Inglewhite Road, Longridge, Preston, PR3 2NA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (S)	20	-	360131 437886
68	<b>Contemporary Trade Directory Entries</b> Name: R Whalley Location: 14, Thornfield Avenue, Longridge, Preston, PR3 3HL Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SE)	120	-	360311 437687
69	<b>Contemporary Trade Directory Entries</b> Name: Uk Blinds Location: 48, Inglewhite Road, Longridge, Preston, PR3 3JS Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (S)	124	-	360150 437778
70	<b>Contemporary Trade Directory Entries</b> Name: Sparkle Gems Cleaning Services Location: 16, Inglewhite Road, Longridge, Preston, PR3 3JS Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	161	-	360168 437683
71	<b>Contemporary Trade Directory Entries</b> Name: Linear Motion Systems Ltd Location: Unit 5, 90, Berry Lane, Longridge, Preston, PR3 3WH Classification: Bearing Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	174	-	360197 437649
71	<b>Contemporary Trade Directory Entries</b> Name: T H G Motor Bodies Location: 90, Berry Lane, Longridge, Preston, PR3 3WH Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	206	-	360189 437618
71	<b>Contemporary Trade Directory Entries</b> Name: T H G North West Ltd Location: Unit 2, 90, Berry Lane, Longridge, Preston, Lancashire, PR3 3WH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	206	-	360189 437618
71	<b>Contemporary Trade Directory Entries</b> Name: D D Cooling Location: 90, Berry Lane, Longridge, Preston, PR3 3WH Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	206	-	360189 437618
71	<b>Contemporary Trade Directory Entries</b> Name: D D Cooling Location: Flat 1, 90, Berry Lane, Longridge, Preston, PR3 3WH Classification: Air Conditioning & Refrigeration Contractors Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	206	-	360189 437618
72	<b>Contemporary Trade Directory Entries</b> Name: Booths Petrol Location: Berry Lane, Longridge, Preston, PR3 3NH Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	230	-	360294 437577
72	<b>Contemporary Trade Directory Entries</b> Name: Syd Brown & Sons Ltd Location: Berry Lane, Longridge, Preston, PR3 3NH Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	270	-	360293 437537

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	<b>Contemporary Trade Directory Entries</b> Name: Arnold Swift & Son Ltd Location: 53-57, Berry Lane, Longridge, Preston, PR3 3NH Classification: Hardware Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	295	-	360260 437512
73	<b>Contemporary Trade Directory Entries</b> Name: S A C P A C Location: 14, Bowland Close, Longridge, PRESTON, PR3 3TU Classification: Packaging Materials Manufacturers & Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	244	-	360858 437659
74	<b>Contemporary Trade Directory Entries</b> Name: Domestics Location: 89, Berry Lane, Longridge, Preston, Lancashire, PR3 3WH Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	247	-	360186 437575
74	<b>Contemporary Trade Directory Entries</b> Name: J & M Walker Ltd Location: 12, Derby Road, Longridge, Preston, PR3 3NP Classification: Painting & Decorating Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	256	-	360146 437584
75	<b>Contemporary Trade Directory Entries</b> Name: Acom Recycling Location: Stanley St, Longridge, Preston, Lancashire, PR3 3NJ Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (S)	277	-	360222 437534
75	<b>Contemporary Trade Directory Entries</b> Name: Liberty Printers Location: 5, Stanley Street, Longridge, PRESTON, PR3 3NJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	278	-	360214 437535
75	<b>Contemporary Trade Directory Entries</b> Name: Perfect Workwear & Ppe Location: Warwick St, Longridge, Preston, Lancashire, PR3 3EB Classification: Distribution Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A7SE (S)	295	-	360192 437523
75	<b>Contemporary Trade Directory Entries</b> Name: Linotype Service (Blackburn) Ltd Location: The Printworks, Warwick Street, Longridge, Preston, PR3 3EB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	300	-	360226 437510
75	<b>Contemporary Trade Directory Entries</b> Name: John Barton Location: The Printworks, Warwick Street, Longridge, Preston, PR3 3EB Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	300	-	360226 437510
75	<b>Contemporary Trade Directory Entries</b> Name: Warwick Street Motors Ltd Location: Warwick Street, Longridge, Preston, PR3 3EB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	316	-	360185 437503
75	<b>Contemporary Trade Directory Entries</b> Name: Ats Euromaster Ltd Location: Warwick Street, Longridge, Preston, Lancashire, PR3 3EB Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (S)	337	-	360197 437478
76	<b>Contemporary Trade Directory Entries</b> Name: Quilters Quarters Location: 32, Derby Road, Longridge, Preston, Lancashire, PR3 3NP Classification: Clothing & Fabrics - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (S)	305	-	360137 437533



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	<b>Contemporary Trade Directory Entries</b> Name: Advanced Print Solutions Location: The Old Corn Mill, Warwick Street, Longridge, Preston, PR3 3EB Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (S)	307	-	360248 437501
78	<b>Contemporary Trade Directory Entries</b> Name: Longridge Dry Cleaning Centre Location: 6, Towneley Parade, Longridge, Preston, PR3 3HU Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (SE)	340	-	360368 437466
79	<b>Contemporary Trade Directory Entries</b> Name: Longridge Community Hospital Location: St. Wilfrids Terrace, Longridge, Preston, PR3 3WQ Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A7SW (S)	415	-	360015 437480
80	<b>Contemporary Trade Directory Entries</b> Name: Droom Kitchens Location: 29-33, Bery Lane, Longridge, Preston, PR3 3JA Classification: Kitchen Furniture Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	443	-	360436 437362
81	<b>Contemporary Trade Directory Entries</b> Name: Belmont Garage Ltd Location: Inglewhite Road, Longridge, Preston, PR3 2DB Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A10SE (W)	510	-	359513 438113
82	<b>Contemporary Trade Directory Entries</b> Name: Hesketh Transport Location: 64, Derby Road, Longridge, Preston, PR3 3FE Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A3NE (S)	525	-	360106 437308
83	<b>Contemporary Trade Directory Entries</b> Name: Catlow Car Location: New Fold Garage, Neville St, Longridge, Preston, Lancashire, PR3 3FD Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A3NE (S)	544	-	360170 437272
83	<b>Contemporary Trade Directory Entries</b> Name: J Greenwood Vehicles Location: New Fold Garage, Neville Street, Longridge, Preston, PR3 3FD Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	544	-	360170 437272
84	<b>Contemporary Trade Directory Entries</b> Name: Sharples Location: Cedarwood, Inglewhite Road, Longridge, Preston, PR3 2DB Classification: Electrical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A10SE (W)	612	-	359414 438139
85	<b>Contemporary Trade Directory Entries</b> Name: J F Gornall Location: Larkfield, Dilworth Lane, Longridge, Preston, PR3 3ST Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NE (SE)	622	-	360951 437270
86	<b>Contemporary Trade Directory Entries</b> Name: Longridge Tyer Exhausts Location: Stonebrow, Kestor Lane, Longridge, Preston, PR3 3JX Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	639	-	360560 437167
87	<b>Contemporary Trade Directory Entries</b> Name: V Baines Location: 32, Kestor Lane, Longridge, Preston, PR3 3JX Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (S)	648	-	360399 437157



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
88	<b>Contemporary Trade Directory Entries</b> Name: Bonds Of Longridge Ltd Location: Stonebridge Garage, Kestor Lane, Longridge, Preston, PR3 3AE Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A3NE (S)	664	-	360145 437155
89	<b>Contemporary Trade Directory Entries</b> Name: Feather & Fiber Interiors Location: 47, Kestor Lane, Longridge, Preston, Lancashire, PR3 3JU Classification: Soft Furnishings - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NE (S)	703	-	360216 437106
90	<b>Contemporary Trade Directory Entries</b> Name: T D G Ltd Location: Daniel Platt Garage, Whittingham Road, Longridge, Preston, PR3 2AD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A3NW (S)	764	-	359836 437160
91	<b>Contemporary Trade Directory Entries</b> Name: John Carlisle Location: Stonebridge Mill, Preston Road, Longridge, Preston, PR3 3AN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: Greenwoods Vehicle Re-Finishers Location: Stonebridge Mill, Kestor Lane, Longridge, Preston, PR3 3AD Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: Harfequin Glass Location: Unit 5, Stonebridge Mill, Preston Road, Longridge, Preston, PR3 3AN Classification: Stained Glass Designers & Producers Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: Longridge Furniture Polishers Location: Stonebridge Mill, Preston Road, Longridge, Preston, PR3 3AN Classification: French Polishing Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: Ribble Valley Tyre & Auto Services Location: Stonebridge Mill, Kestor Lane, Longridge, Preston, PR3 3AD Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: S J Mccarthy Location: Stonebridge Mill, Preston Road, Longridge, Preston, Lancashire, PR3 3AN Classification: Antiques - Repairing & Restoring Status: Inactive Positional Accuracy: Manually positioned to the address or location	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: Longridge Tyre & Exhaust Location: Stonebridge Mill, Kestor Lane, Longridge, Preston, PR3 3AD Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
91	<b>Contemporary Trade Directory Entries</b> Name: Mlt Autos Location: Stonebridge Mill, Preston Road, Longridge, Preston, PR3 3AN Classification: Mechanical Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	777	-	360136 437042
92	<b>Contemporary Trade Directory Entries</b> Name: Diamond Commercials Location: 2, Ashley Cottages, Inglewhite Road, Longridge, Preston, PR3 2DB Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A10SW (W)	812	-	359265 438306

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	<b>Contemporary Trade Directory Entries</b> Name: Singleton'S Dairy Ltd Location: Mill Farm, Preston Road, Longridge, Preston, PR3 3AN Classification: Dairies Status: Active Positional Accuracy: Automatically positioned to the address	A3SE (S)	861	-	360195 436950
94	<b>Contemporary Trade Directory Entries</b> Name: A T Billington Location: 2, Hillcroft, Chapel Hill, Longridge, Preston, PR3 3JY Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A4SW (S)	884	-	360543 436921
95	<b>Contemporary Trade Directory Entries</b> Name: Littleton Dairy Location: Little Town Farm, Chipping Road, Thornley, Preston, PR3 2TB Classification: Dairies Status: Active Positional Accuracy: Automatically positioned to the address	A16NE (NE)	911	-	360887 439126
96	<b>Contemporary Trade Directory Entries</b> Name: Palm Scaffolding Location: Sandbank Industrial Estate, Cumeragh La, Whittingham, Preston, Lancashire, PR3 2AJ Classification: Scaffolding & Work Platforms Status: Active Positional Accuracy: Manually positioned within the geographical locality	A2NE (SW)	919	-	359356 437248
96	<b>Contemporary Trade Directory Entries</b> Name: Do It Yourself Pest Control Location: Sandbank Estate, Cumeragh La, Whittingham, Preston, Lancashire, PR3 2AJ Classification: Pest & Vermin Control Status: Active Positional Accuracy: Manually positioned within the geographical locality	A2NE (SW)	919	-	359356 437248
97	<b>Contemporary Trade Directory Entries</b> Name: Jones Stroud Insulations Ltd Location: Queen Street, Longridge, Preston, PR3 3BS Classification: Insulation Materials Status: Active Positional Accuracy: Automatically positioned to the address	A3SW (S)	945	-	359960 436914
98	<b>Fuel Station Entries</b> Name: Irelands Garage Location: 60 Inglewhite Road, LONGRIDGE, Lancashire, PR3 2NA Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A7NE (S)	20	-	360131 437885
99	<b>Fuel Station Entries</b> Name: Booths Service Station Location: Berry Lane, Longridge, Preston, PR3 3NH Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A7SE (S)	270	-	360283 437537
100	<b>Fuel Station Entries</b> Name: Stonebridge Garage Location: Stonebridge Garage, Kestor Lane, Longridge, Preston, PR3 3AE Brand: Texaco Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A3NE (S)	664	-	360145 437155

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	<b>Areas of Outstanding Natural Beauty</b> Name: Forest Of Bowland Multiple Areas: Y Total Area (m2): 805733322.62 Designation Date: 29th February 1964 Source: Natural England	A16NE (NE)	892	6	360807 439142

<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contaminated Land Register Entries and Notices</b> Ribble Valley Borough Council - Environmental Health Department Preston City Council - Environmental Health Department	February 2013 March 2013	Annual Rolling Update Annual Rolling Update
<b>Discharge Consents</b> Environment Agency - North West Region	May 2014	Quarterly
<b>Enforcement and Prohibition Notices</b> Environment Agency - North West Region	March 2013	As notified
<b>Integrated Pollution Controls</b> Environment Agency - North West Region	October 2008	Not Applicable
<b>Integrated Pollution Prevention And Control</b> Environment Agency - North West Region	May 2014	Quarterly
<b>Local Authority Integrated Pollution Prevention And Control</b> Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department	December 2013 June 2014	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Controls</b> Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department	December 2013 November 2012	Annual Rolling Update Annual Rolling Update
<b>Local Authority Pollution Prevention and Control Enforcements</b> Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department	December 2013 June 2014	Annual Rolling Update Annual Rolling Update
<b>Nearest Surface Water Feature</b> Ordnance Survey	July 2012	Quarterly
<b>Pollution Incidents to Controlled Waters</b> Environment Agency - North West Region	January 2000	Not Applicable
<b>Prosecutions Relating to Authorised Processes</b> Environment Agency - North West Region	March 2013	As notified
<b>Prosecutions Relating to Controlled Waters</b> Environment Agency - North West Region	March 2013	As notified
<b>Registered Radioactive Substances</b> Environment Agency - North West Region	May 2014	Quarterly
<b>River Quality</b> Environment Agency - Head Office	November 2001	Not Applicable
<b>River Quality Biology Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>River Quality Chemistry Sampling Points</b> Environment Agency - Head Office	July 2012	Annually
<b>Substantiated Pollution Incident Register</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	May 2014 May 2014	Quarterly Quarterly
<b>Water Abstractions</b> Environment Agency - North West Region	April 2014	Quarterly
<b>Water Industry Act Referrals</b> Environment Agency - North West Region	May 2014	Quarterly
<b>Groundwater Vulnerability</b> Environment Agency - Head Office	January 2011	Not Applicable
<b>Drift Deposits</b> Environment Agency - Head Office	January 1999	Not Applicable
<b>Bedrock Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually
<b>Superficial Aquifer Designations</b> British Geological Survey - National Geoscience Information Service	October 2012	Annually













<b>Agency &amp; Hydrological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Source Protection Zones</b> Environment Agency - Head Office	April 2014	Quarterly
<b>Extreme Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flooding from Rivers or Sea without Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Areas Benefiting from Flood Defences</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Water Storage Areas</b> Environment Agency - Head Office	May 2014	Quarterly
<b>Flood Defences</b> Environment Agency - Head Office	February 2014	Quarterly
<b>Detailed River Network Lines</b> Environment Agency - Head Office	March 2012	Annually
<b>Detailed River Network Offline Drainage</b> Environment Agency - Head Office	March 2012	Annually
<b>Waste</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS Recorded Landfill Sites</b> British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
<b>Historical Landfill Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	May 2014 May 2014	Quarterly Quarterly
<b>Integrated Pollution Control Registered Waste Sites</b> Environment Agency - North West Region	October 2008	Not Applicable
<b>Licensed Waste Management Facilities (Landfill Boundaries)</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	February 2014 February 2014	Quarterly Quarterly
<b>Licensed Waste Management Facilities (Locations)</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	May 2014 May 2014	Quarterly Quarterly
<b>Local Authority Landfill Coverage</b> Lancashire County Council - Waste Management Group Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Local Authority Recorded Landfill Sites</b> Lancashire County Council - Waste Management Group Preston City Council - Environmental Health Department Ribble Valley Borough Council - Environmental Health Department	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
<b>Registered Landfill Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Transfer Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	March 2003 March 2003	Not Applicable Not Applicable
<b>Registered Waste Treatment or Disposal Sites</b> Environment Agency - North West Region - Central Area Environment Agency - North West Region - North Area	March 2003 March 2003	Not Applicable Not Applicable

<b>Hazardous Substances</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Control of Major Accident Hazards Sites (COMAH)</b> Health and Safety Executive	March 2014	Bi-Annually
<b>Explosive Sites</b> Health and Safety Executive	November 2013	Bi-Annually
<b>Notification of Installations Handling Hazardous Substances (NIHHS)</b> Health and Safety Executive	November 2000	Not Applicable
<b>Planning Hazardous Substance Enforcements</b> Ribble Valley Borough Council Lancashire County Council Preston City Council	June 2013 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Planning Hazardous Substance Consents</b> Ribble Valley Borough Council Lancashire County Council Preston City Council	June 2013 November 2012 November 2012	Annual Rolling Update Annual Rolling Update Annual Rolling Update
<b>Geological</b>	<b>Version</b>	<b>Update Cycle</b>
<b>BGS 1:625,000 Solid Geology</b> British Geological Survey - National Geoscience Information Service	August 1996	Not Applicable
<b>BGS Estimated Soil Chemistry</b> British Geological Survey - National Geoscience Information Service	January 2010	Annually
<b>BGS Recorded Mineral Sites</b> British Geological Survey - National Geoscience Information Service	April 2014	Bi-Annually
<b>Brine Compensation Area</b> Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
<b>Coal Mining Affected Areas</b> The Coal Authority - Mining Report Service	December 2013	As notified
<b>Mining Instability</b> Ove Arup & Partners	October 2000	Not Applicable
<b>Non Coal Mining Areas of Great Britain</b> British Geological Survey - National Geoscience Information Service	February 2011	Not Applicable
<b>Potential for Collapsible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	Annually
<b>Potential for Compressible Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	Annually
<b>Potential for Ground Dissolution Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	Annually
<b>Potential for Landslide Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	Annually
<b>Potential for Running Sand Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	Annually
<b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b> British Geological Survey - National Geoscience Information Service	October 2013	Annually
<b>Radon Potential - Radon Affected Areas</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually
<b>Radon Potential - Radon Protection Measures</b> British Geological Survey - National Geoscience Information Service	July 2011	Annually

<b>Industrial Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Contemporary Trade Directory Entries</b> Thomson Directories	May 2014	Quarterly
<b>Fuel Station Entries</b> Catalist Ltd - Experian	March 2014	Quarterly
<b>Sensitive Land Use</b>	<b>Version</b>	<b>Update Cycle</b>
<b>Areas of Adopted Green Belt</b> Preston City Council Ribble Valley Borough Council	May 2014 May 2014	As notified As notified
<b>Areas of Unadopted Green Belt</b> Preston City Council Ribble Valley Borough Council	May 2014 May 2014	As notified As notified
<b>Areas of Outstanding Natural Beauty</b> Natural England	January 2014	Bi-Annually
<b>Environmentally Sensitive Areas</b> Natural England	July 2013	Annually
<b>Forest Parks</b> Forestry Commission	April 1997	Not Applicable
<b>Local Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>Marine Nature Reserves</b> Natural England	July 2013	Bi-Annually
<b>National Nature Reserves</b> Natural England	March 2014	Bi-Annually
<b>National Parks</b> Natural England	January 2014	Bi-Annually
<b>Nitrate Sensitive Areas</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
<b>Nitrate Vulnerable Zones</b> Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
<b>Ramsar Sites</b> Natural England	March 2014	Bi-Annually
<b>Sites of Special Scientific Interest</b> Natural England	March 2014	Bi-Annually
<b>Special Areas of Conservation</b> Natural England	March 2014	Bi-Annually
<b>Special Protection Areas</b> Natural England	March 2014	Bi-Annually



A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	<b>Environment Agency - National Customer Contact Centre (NCCC)</b> PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: <a href="mailto:enquiries@environment-agency.gov.uk">enquiries@environment-agency.gov.uk</a>
2	<b>Ribble Valley Borough Council - Environmental Health Department</b> Council Offices, Church Walk, Clitheroe, Lancashire, BB7 2RA	Telephone: 01200 425111 Fax: 01200 26339 Website: <a href="http://www.ribblevalley.gov.uk">www.ribblevalley.gov.uk</a>
3	<b>Preston City Council - Environmental Health Department</b> Strategic Services, Town Hall, Lancaster Road, Preston, Lancashire, PR1 2RL	Telephone: 01772 906000 Fax: 01772 906195 Email: <a href="mailto:info@preston.gov.uk">info@preston.gov.uk</a> Website: <a href="http://www.preston.gov.uk">www.preston.gov.uk</a>
4	<b>British Geological Survey - Enquiry Service</b> British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: <a href="mailto:enquiries@bgs.ac.uk">enquiries@bgs.ac.uk</a> Website: <a href="http://www.bgs.ac.uk">www.bgs.ac.uk</a>
5	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmark.co.uk">customerservices@landmark.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>
6	<b>Natural England</b> Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: <a href="mailto:enquiries@naturalengland.org.uk">enquiries@naturalengland.org.uk</a> Website: <a href="http://www.naturalengland.org.uk">www.naturalengland.org.uk</a>
7	<b>Lancashire County Council - Waste Management Group</b> Environment Directorate, Guild House, Cross Street, Preston, Lancashire, PR1 8RD	Website: <a href="http://www.lancashire.gov.uk">www.lancashire.gov.uk</a>
-	<b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b> Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: <a href="mailto:radon@phe.gov.uk">radon@phe.gov.uk</a> Website: <a href="http://www.ukradon.org">www.ukradon.org</a>
-	<b>Landmark Information Group Limited</b> Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: <a href="mailto:customerservices@landmarkinfo.co.uk">customerservices@landmarkinfo.co.uk</a> Website: <a href="http://www.landmarkinfo.co.uk">www.landmarkinfo.co.uk</a>

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



# Groundwater Vulnerability

- Specified Site
- Specified Buffers
- Bearing Reference Point
- Slice
- Map ID

## Agency and Hydrological

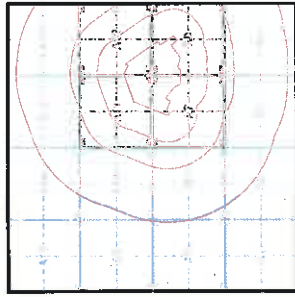
### Geological Classes

- Major Aquifer (Highly Permeable)
- Minor Aquifer (Variably Permeable)
- Non Aquifer (Negligibly Permeable)
- Water or Sea
- Drift Deposit

### Soil Classes

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low
- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

## Site Sensitivity Context Map - Slice A



### Order Details

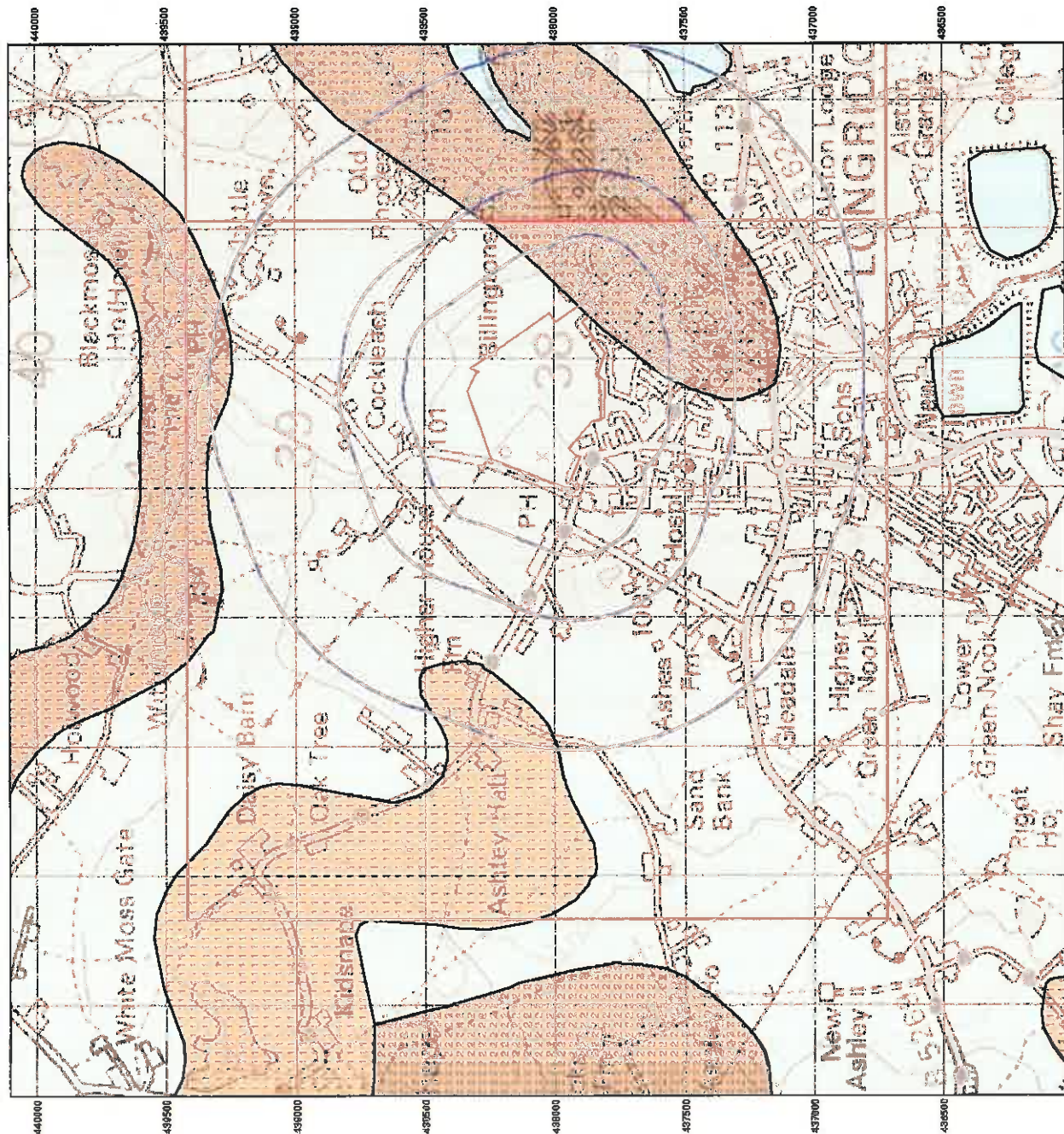
Order Number: 58654917\_1.1  
 Customer Ref: EB1355  
 National Grid Reference: 360120, 438040  
 Slice: A  
 Site Area (Ha): 24.76  
 Search Buffer (m): 1000

### Site Details

Site at 361320, 437850



Tel: 0844 944 9822  
 Fax: 0844 841 8857  
 Web: www.landmark.co.uk







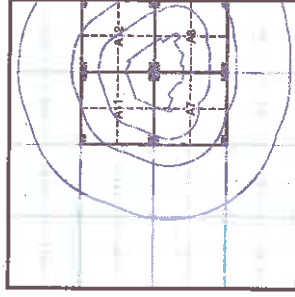
# Bedrock Aquifer Designation

- General**
- Specified Site
  - Specified Boundary
  - Bearing Reference Point
  - Slices
  - Map ID

## Agency and Hydrological

- Geological Classes**
- Principal Aquifer
  - Secondary A Aquifer
  - Secondary B Aquifer
  - Secondary Undifferentiated
  - Unproductive Strata
  - Unknown

## Site Sensitivity Context Map - Slice A



### Order Details

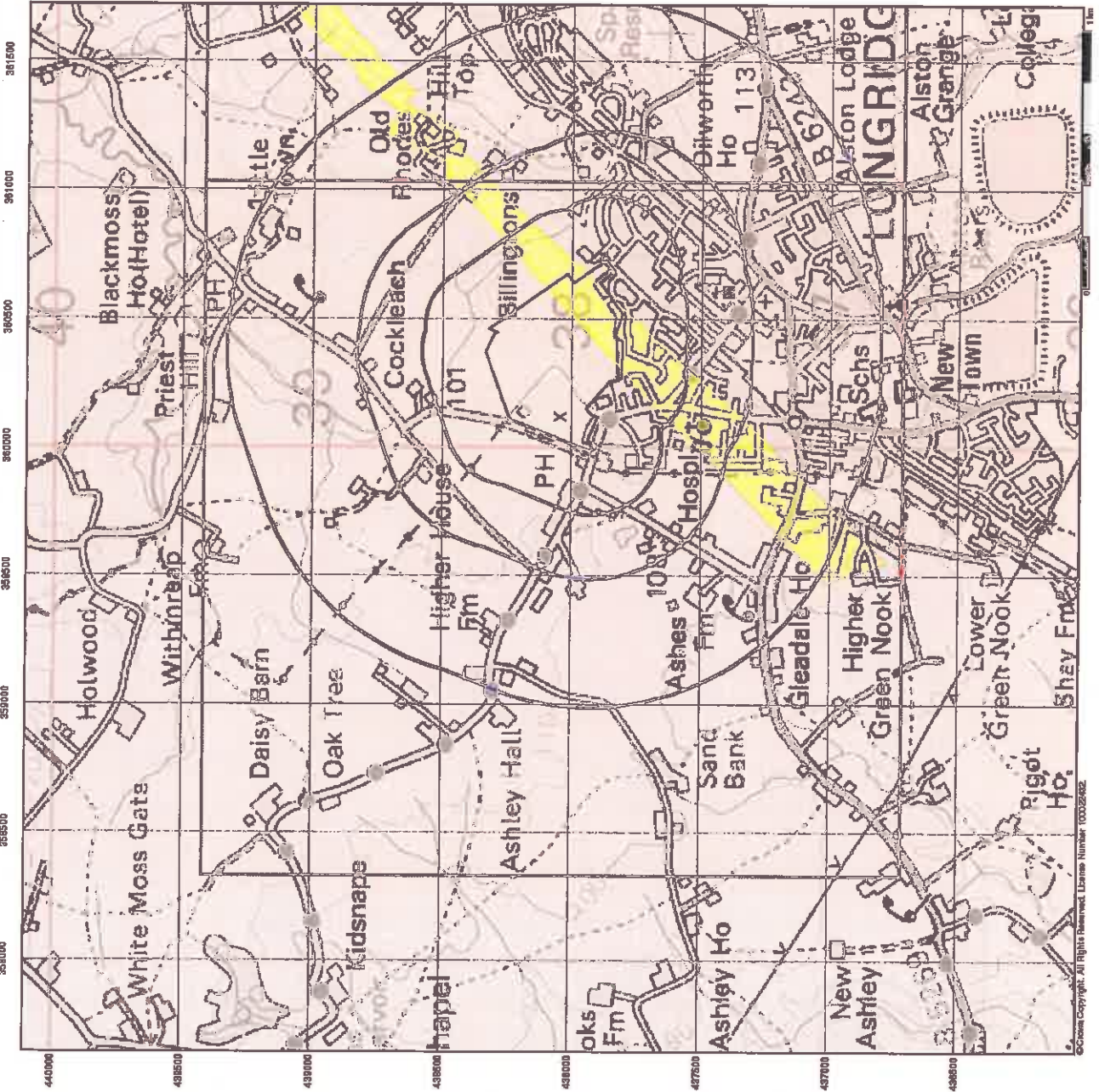
Order Number: 58654917\_1\_1  
 Customer Ref: EBT355  
 National Grid Reference: 360120, 438040  
 Slice: A  
 Site Area (Ha): 24.76  
 Search Buffer (m): 1000

### Site Details

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# Superficial Aquifer Designation

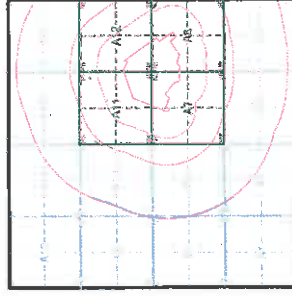
**General**  
 Specified site Specified Buffer(s) Bearing Reference Point   
 Slice Map ID

## Agency and Hydrological

### Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown

## Site Sensitivity Context Map - Slice A

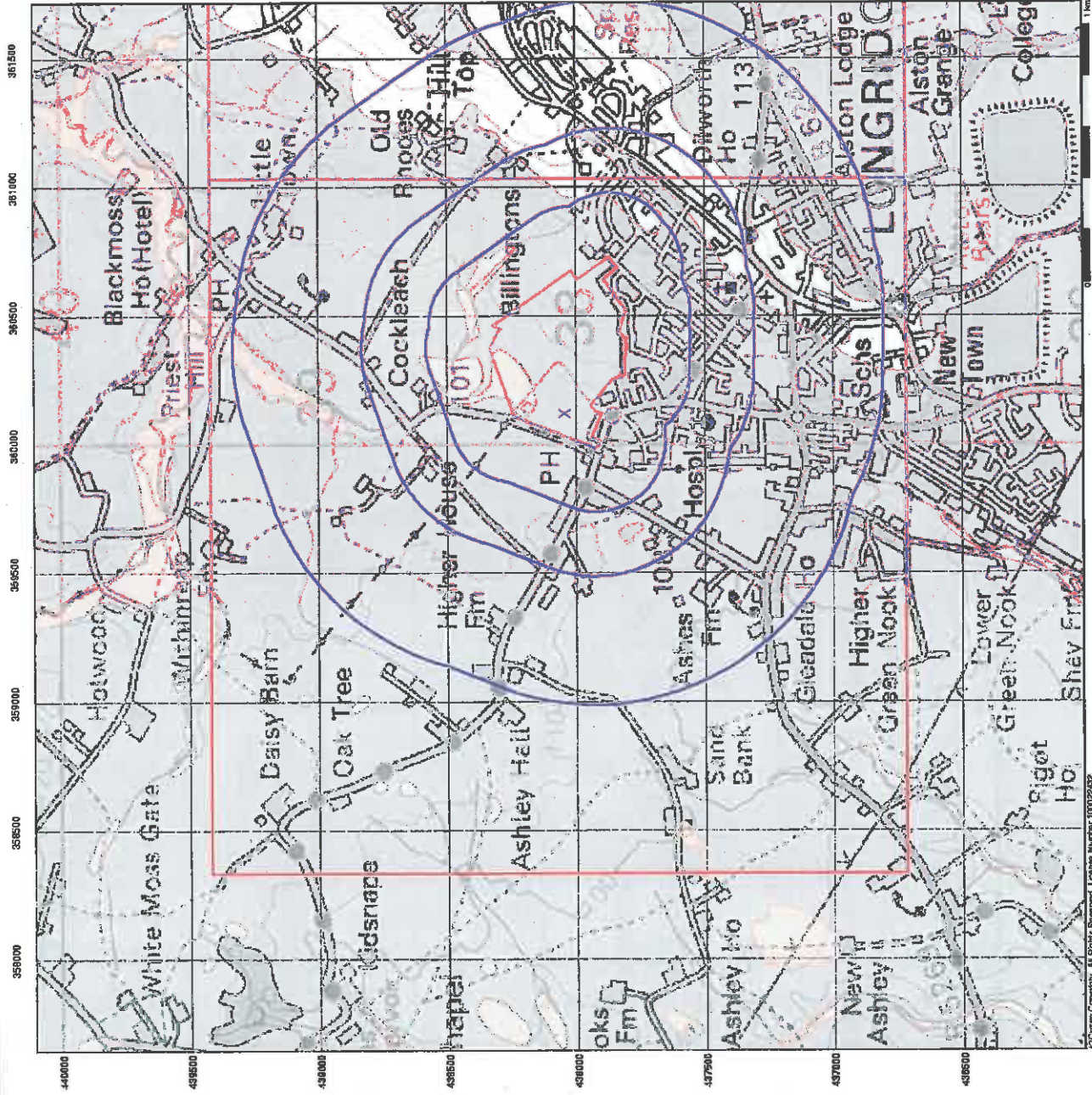


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 Slice: A  
 Site Area (Ha): 24.76  
 Search Buffer (m): 1000

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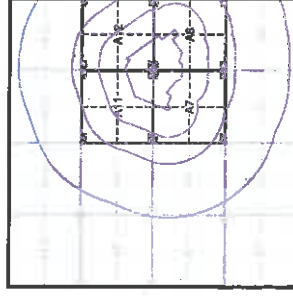




## Source Protection Zones

- General**
- Specified Site
  - Specified Bump(s)
  - Boasting Reference Point
  - Slice
  - Map ID
- Agency and Hydrological**
- Source Protection Zone I
  - Source Protection Zone II
  - Source Protection Zone III
  - Zone of Special Interest
  - Source Protection Zone Bokeh

## Site Sensitivity Context Map - Slice A



### Order Details

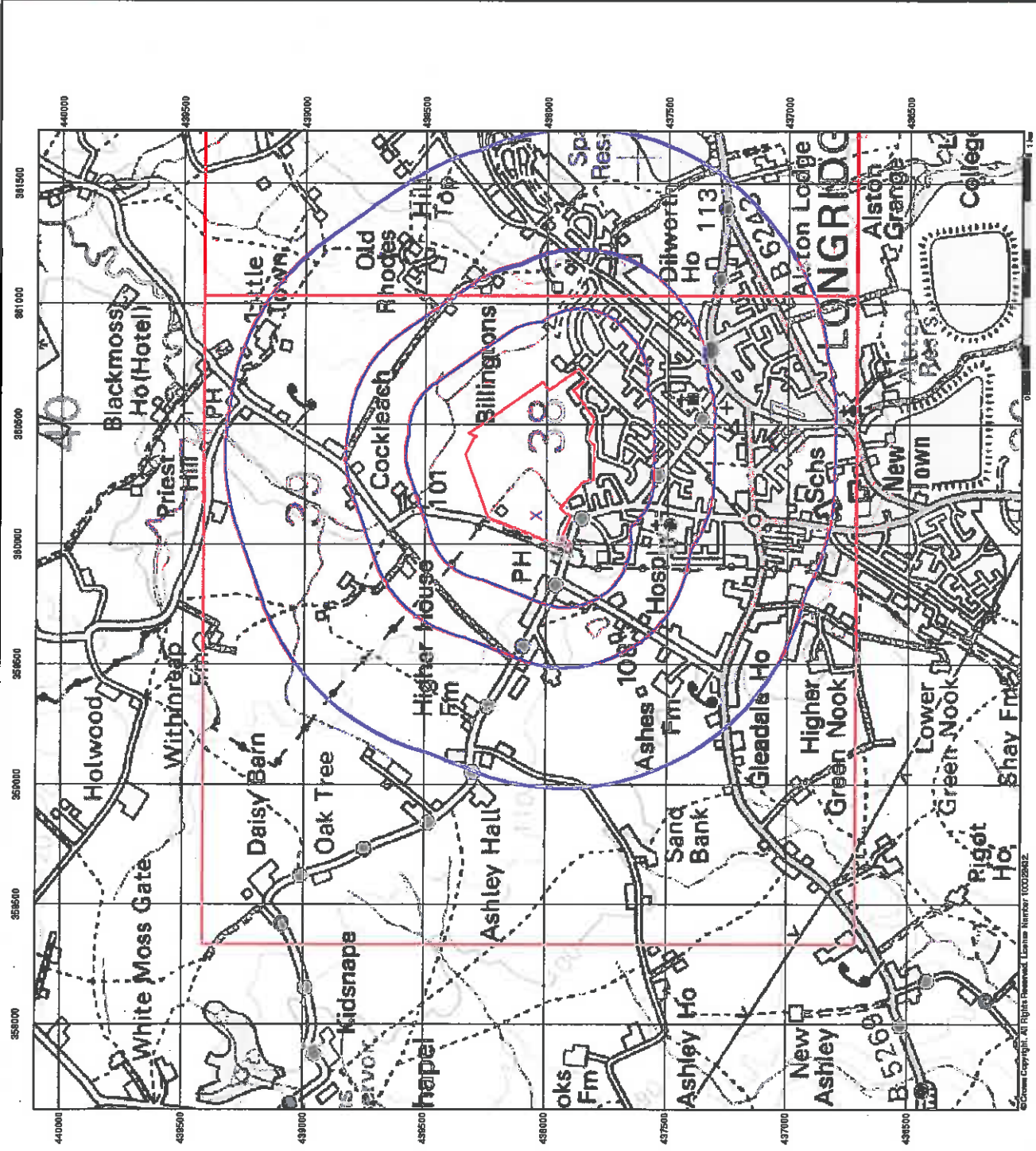
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 Search Buffer (m): 1000

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### Geology 1:50,000 Maps

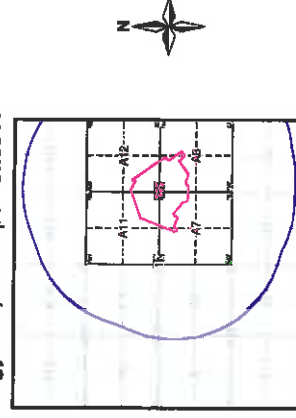
This report contains geological map extracts taken from the BCS Digital geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslide deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

### Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	087
Map Name:	Gerrisburg
Map Date:	1990
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

### Geology 1:50,000 Maps - Slice A



### Order Details:

Order Number: 58654917\_1.1  
 Customer Reference: EB1355  
 National Grid Reference: 360120, 438040  
 Slice: A  
 Site Area (Ha): 24.76  
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## Geology 1:50,000 Maps Legends

### Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undrilled)	Artificial Deposit	Holocene - Holocene
	SLIP	Landslide Deposit	Unknown/Unclassified Entry	Quaternary - Quaternary
	HOM	Hodder Mudstone Formation	Mudstone	Holkerian - Chadian
		Faults		

### Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	TILLD	Till, Devensian	Diamicton	Devensian - Devensian
	GFDUD	Glacioluvial Deposits, Devensian	Sand and Gravel	Devensian - Devensian
	PEAT	Peat	Peat [Unidentified Deposits Coding Scheme]	Quaternary - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand and Gravel	Quaternary - Quaternary

### Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SDSH	Sedon Shales	Mudstone and Siltstone	Kinderhookian - Amsbergian
	PG	Pendle Grit Member	Sandstone and Siltstone, Interbedded	Pendleian - Pendleian
	PG	Pendle Grit Member	Sandstone, Silty	Pendleian - Pendleian
	PG	Pendle Grit Member	Mudstone	Pendleian - Pendleian
	WWG	Wanley Wise Grit	Sandstone	Pendleian - Pendleian
	PND5	Pendleids Sandstone Member	Sandstone	Brigantian - Brigantian
	BSG	Bowland Shale Formation	Mudstone	Yeadonian - Asbian
	BSG	Bowland Shale Formation	Mudstone and Siltstone	Yeadonian - Asbian
	PDL	Pendleids Limestone Formation	Limestone	Asbian - Holkerian
	BOH	Hoddenanse Limestone Formation	Limestone	Holkerian - Holkerian



### Artificial Ground and Landslip

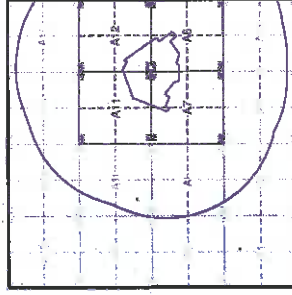
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

#### Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- In-filled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

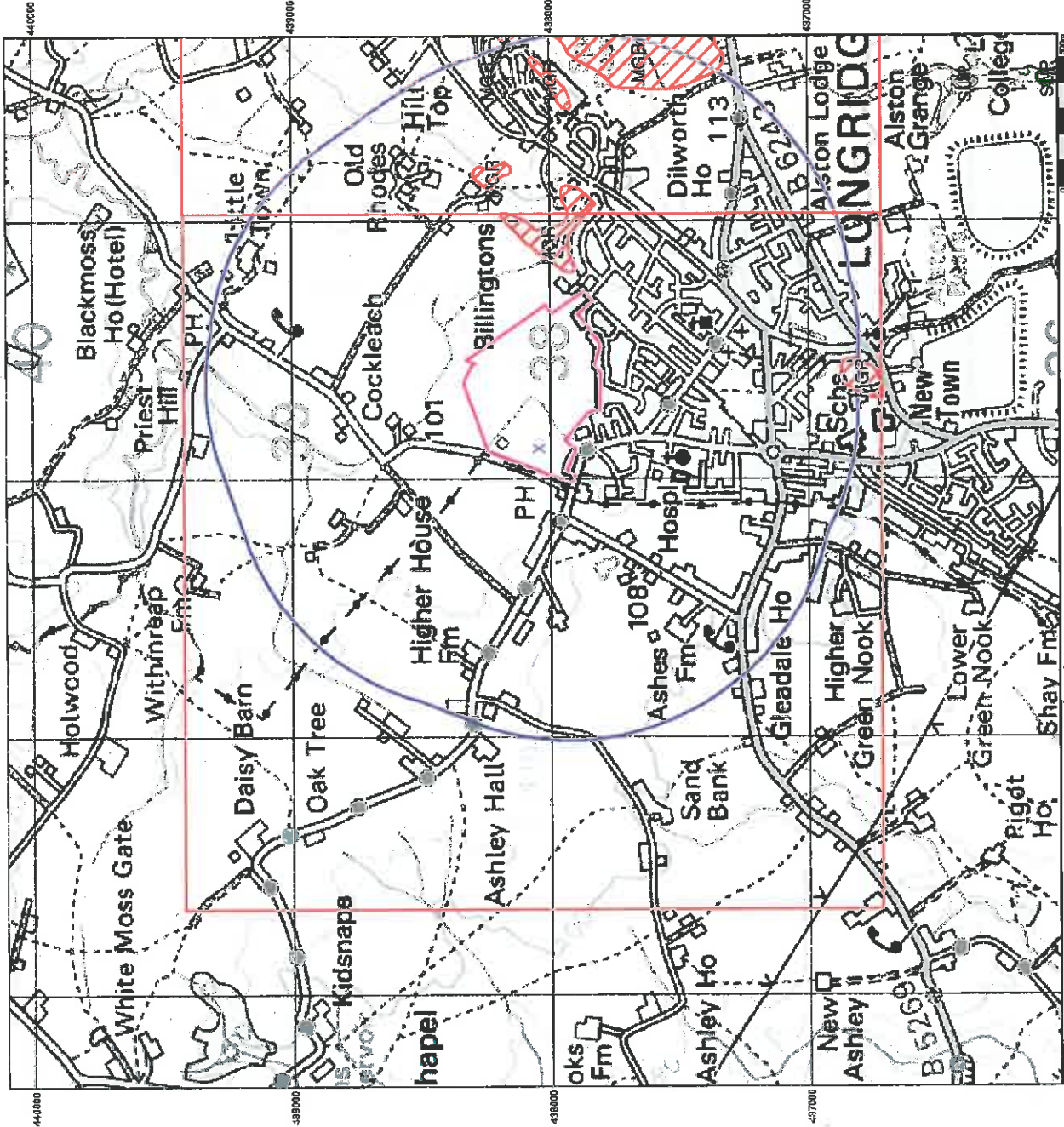
### Artificial Ground and Landslip Map - Slice A



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 Order Number: 58654917\_1\_1  
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 National Grid Reference: 360120, 438040  
 Slice: A  
 Site Area (Ha): 24.76  
 Search Buffer (m): 1000  
**Site Details:**  
 Site at 361320, 437950



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 Fax: 0844 944 9853  
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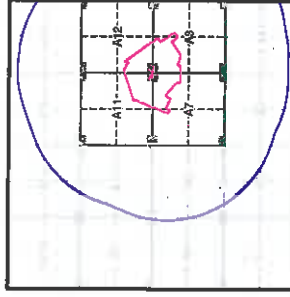
### Superficial Geology

Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, the Quaternary, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial Deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

### Superficial Geology Map - Slice A



### Order Details:

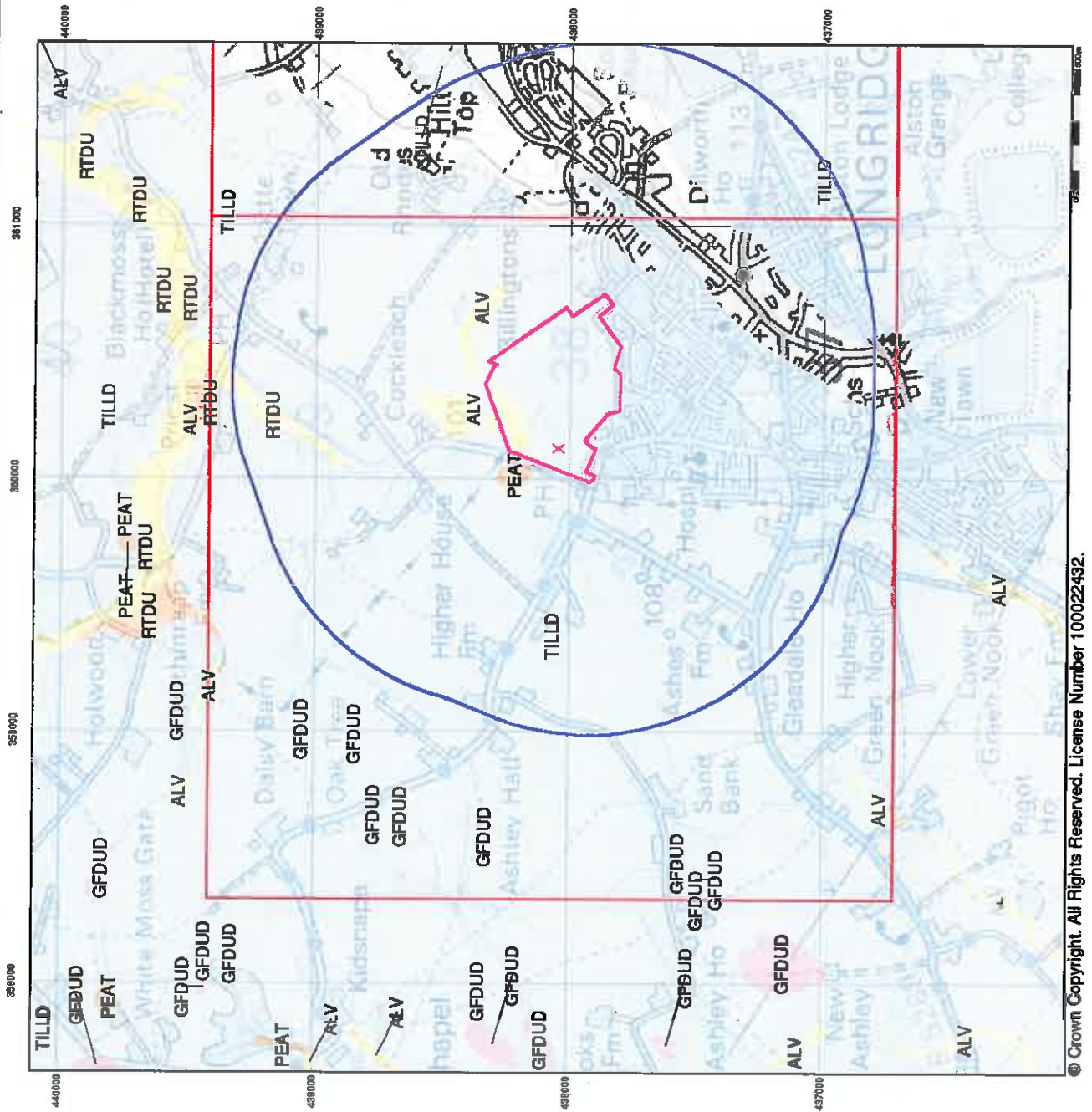
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 Site Area (Ha): 24.76  
 Search Buffer (m): 1000

### Site Details:

Site at 361320, 437960



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 Fax: 0844 844 9851  
 Web: www.earthmark.co.uk







### Bedrock and Faults

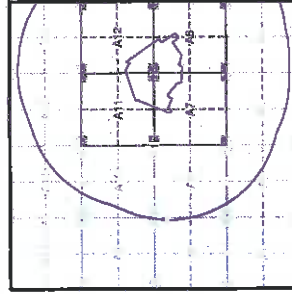
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time, ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pleistocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

### Bedrock and Faults Map - Slice A



#### Order Details:

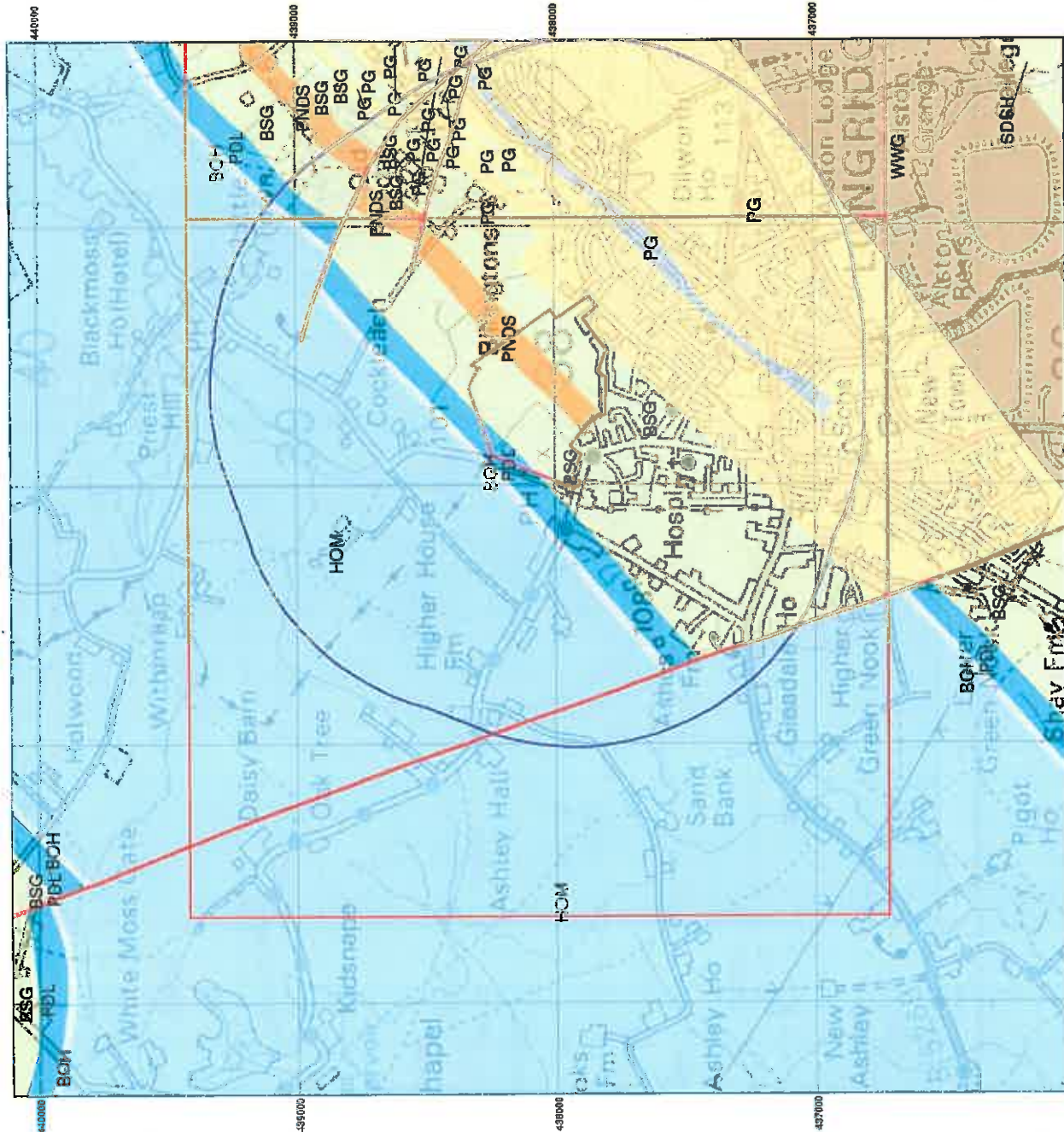
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 Site Area (ha): 24.76  
 Search Buffer (m): 1000

#### Site Details:

Site at 361320, 437950



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 084 444 882  
 www.landmark.co.uk





### Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

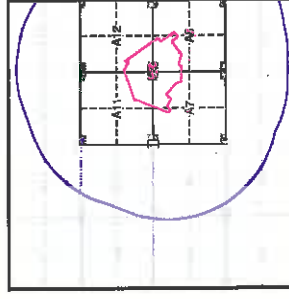
### Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

### Contact

British Geological Survey  
 Kingsley Dunham Centre  
 Keyworth  
 Nottingham  
 NG12 5GG  
 Telephone: 0115 936 3143  
 Fax: 0115 936 3276  
 email: enquiries@bgs.ac.uk  
 website: www.bgs.ac.uk

### Combined Geology Map - Slice A



### Order Details:

Order Number: 56654917\_1\_1  
 Customer Reference: EB1355  
 National Grid Reference: 360120, 438040  
 Slice: A  
 Site Area (Ha): 24.76  
 Search Buffer (m): 1000

### Site Details:

Site at 361320, 437850



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 Fax: 0844 844 0881  
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