

320110892P

The Huntroyde Estate

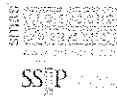
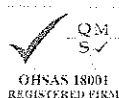
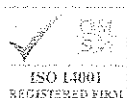
**Phase 1 - Desk Study
Report
For**

**Waddow View, Milton Avenue,
Clitheroe**

August 2011

REPORT NO: 11CHE037/DS

- *Phase 1 Desk Studies and Site Walkovers*
- *Phase 2 Intrusive Contaminated Land Investigations*
- *Geotechnical Appraisals and Ground Investigations*
- *Landfill Gas Assessments and Remedial Design*
- *Remediation Design and Implementation*
- *Remediation Project Management and Supervision*
- *Site Abnormal Assessments (Foundations and contaminated land)*



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DOCUMENT ISSUE RECORD

Contract No: 11CHE037/DS

320110892P

Client: The Huntroyde Estate

Contract: Waddow View, Milton Avenue, Clitheroe

Document: Phase 1 Desk Study Report

Prepared by:



B Bryant

Checked by:



M Fawcett

Approved by:



M Fawcett

Date:

August 2011

REVISION RECORD

Revision	Date	Description	Prepared by
0	August 2011	FINAL	BB
1	October 2011	Amendment to client name and site address	BB
2	October 2011	Revised master plan	MJF

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1 EXECUTIVE SUMMARY**Action**

- 1.1 Site Location:** The site is located at Waddow View, Milton Avenue, Clitheroe, BB7 2EG (coordinates 374090, 442170); the proposed site area approximately 1.2 hectares in total.

1.2 Site Description:

On site: The site is accessed via Milton Avenue which runs along the northern site boundary. Site is currently an open grassed field with a public footpath along the northern site border. The site is generally square, levels slope gently from northwest to southeast.

Off-site existing mature trees line the eastern site border, and hedgerows line the northern, southern and western borders.

Historic maps suggest a historic culvert that flows along the eastern boundary, then the southern boundary before heading offsite in a northwest direction. Topographically the levels fall to the south of site however there was no evidence of a stream above surface and no manholes were encountered other than the culvert issue offsite.

Surrounding Area: There is an existing derelict building immediately beyond the northwest corner of site. Surrounding area is predominantly residential to the north and south, fields to the west and a public car park to the east. A small stream was noted approximately 40m southwest of the site emerging from a culvert and running north-northeast. A railway line is shown 100m south of site.

- 1.3 Proposed Development:** The development comprises the proposed construction of residential dwellings with associated gardens and infrastructure

1.4 Site History**On site:**

- Site is shown as undeveloped on all available maps
- A footpath is shown along the northern site border from the map of 1912
- Possible stream shown running from the southeast corner of site, following the southern site boundary on the map of 1912. The map of 1964 shows a possible culverted stream running along the eastern site border before following the southern site border. This stream is showed on maps until the map of 1993.

Surrounding Area:

- Gas works shown immediately south of site from the map of 1886-1932, the site was then used as a gas holder site/corporation works/bobbin and shuttle works to the map of 1964-1965, the bobbin and shuttle works was then an agricultural works to the map of 1993, then the whole area was redeveloped into apartments and housing from 1993 to the most current map
- A reservoir was shown immediately beyond the southwest corner of site (part of the gas works) from the map of 1912-1964
- There is a branch of the railway going to the former gas works shown from the map of 1912-1970
- Railway shown 100m east of site from the first map available (1847)
- Burial ground (adjacent to mortuary chapel) 120m and 250m northwest of site from the map of 1886 and on all subsequent maps

*Ground
Investigation
Required*

- 1.5 Geology:** Published geology indicates Till over Clitheroe Limestone Formation and Hodder Mudstone Formation (undifferentiated) - (Mudstone and Limestone)

1.6 Hydrogeology and Hydrology:

- The Till beneath site is classed as unproductive strata (negligibly permeable)
- The Limestone on site is classed as a Secondary A Aquifer (moderate permeability).
- The site does not lie within a groundwater source protection zone outlined by the Environment Agency.
- The site does not lie within a flood risk area as defined by the Environment Agency.
- Nearest surface water feature is a stream 40m southwest of site
- There are no groundwater abstraction licenses within 900m of the site.

1.7 Radon Protection: The Envirocheck report obtained indicates that between 1-3% of properties are above the Action Level and suggests that no radon protection measures are necessary.

1.8 Contamination Risk: Former gas works and railway in the vicinity of site- recent redevelopment and anticipated low mobility soils suggest the risk is lessened.

1.9 Qualitative Risk Assessment: In this qualitative risk assessment, a Low-Low/Moderate risk implies that some remedial action is likely to be necessary at the site, although until a contamination ground investigation is carried out this cannot be confirmed

1.10 Proposed Ground Investigation: Proposed Ground Investigation comprises:

- Trial pitting
- Soil Sampling

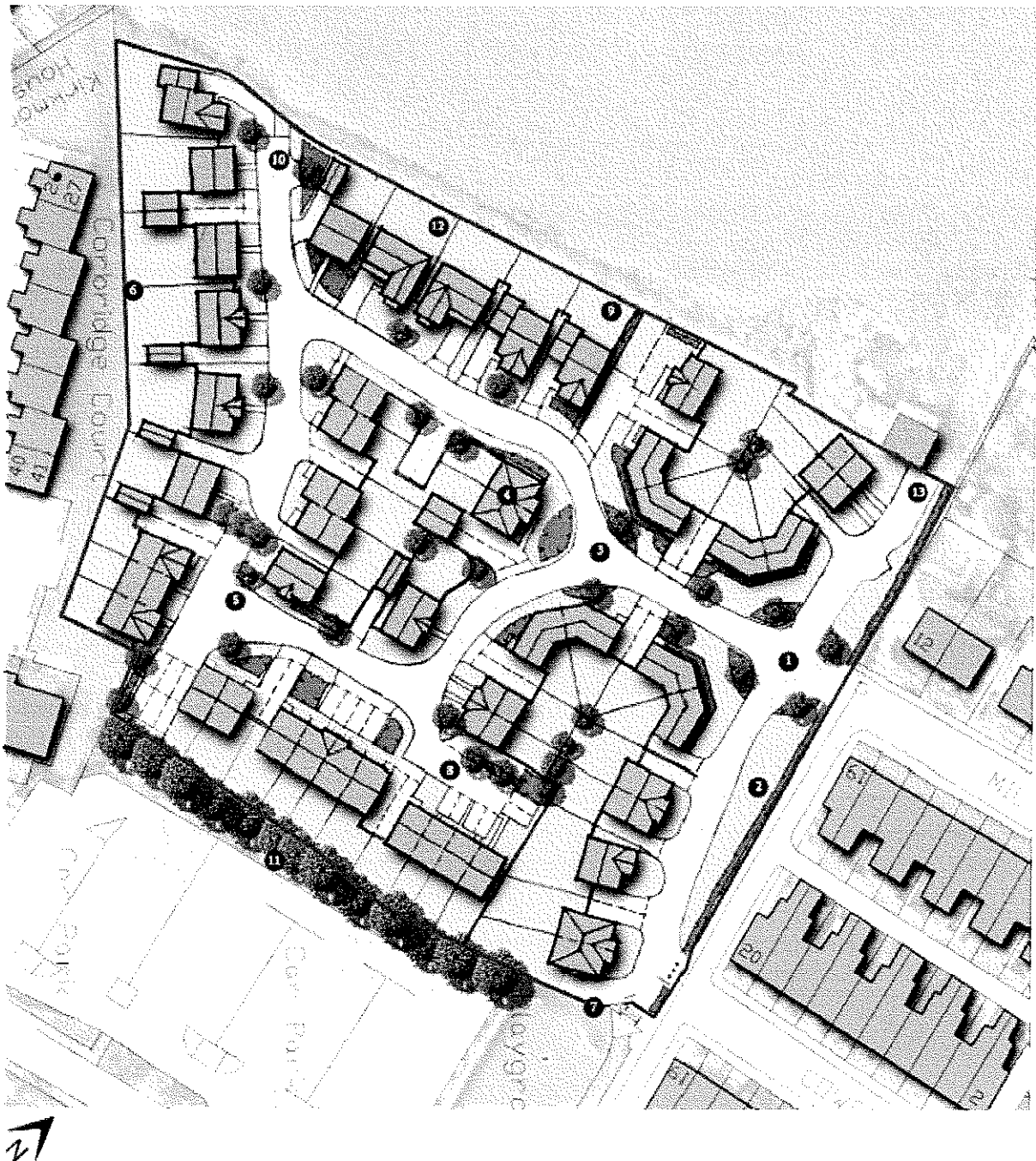
1.11 Geotechnical Risk:

- Potential shrink/swell within anticipated clays on site due to the existing mature hedgerows and trees

2 SITE DESCRIPTION

2.1 Introduction

This investigation was carried out on the instruction of on behalf of The Huntroyde Estate. The purpose of the work was to carry out a desk study to establish ground conditions to provide contamination risk information the proposed construction of residential properties with associated gardens and infrastructure.



Masterplan Drawing by MCK Associates Ltd dated February 2010 reference: 11-021-1001

2.2 Site Location

The site is located at off Milton Avenue, Clitheroe, BB7 2EG (coordinates 374090, 442170); the proposed site area is approximately 1.2 hectares in total. See Site Location Plan in Appendix A

2.3 Site Description

2.3.1 On Site

A site walkover was undertaken by an engineer on 12th August 2011. Photographs can be found in Appendix A.

The site is accessed via Milton Avenue which runs along the northern site boundary. Site is currently an open grassed field with a public footpath along the northern site border. The site is generally square, levels slope gently from northwest to southeast.

Historic maps (see section 3) suggest a historic culvert that flows along the eastern boundary, then the southern boundary before heading offsite in a northwest direction. Topographically the levels fall to the south of site however there was no evidence of a stream above surface and no manholes were encountered other than the culvert issue offsite as per section 2.3.2 below.

2.3.2 Surrounding Area

There is an existing derelict building immediately beyond the northwest corner of site. Surrounding area is predominantly residential to the north and south, fields to the west and a public car park to the east.

Existing mature trees line the eastern site border, and hedgerows line the northern, southern and western borders.

A small stream was noted approximately 40m southwest of the site emerging from a culvert and running north-northeast. A railway line is shown 100m south of site.

3 SITE HISTORY

A search of available historic maps was undertaken to establish the land use history of the site. Extracts of the maps discussed below can be found in Appendix B of this report. All maps are Ordnance Survey unless otherwise stated. All distances quoted on OS maps are taken from the site boundary, which is marked on the map. References are as per Section 2 of this report.

3.1 On site

- Site is shown as undeveloped on all available maps
- A footpath is shown along the northern site border from the map of 1912
- Possible stream shown running from the southeast corner of site, following the southern site boundary on the map of 1912. The map of 1964 shows a possible culverted stream running along the eastern site border before following the southern site border. This stream is shown on maps until the map of 1993

3.2 Surrounding Area

- Gas works shown immediately south of site from the map of 1886-1932, the site was then used as a gas holder site/corporation works/bobbin and shuttle works to the map of 1964-1965, the bobbin and shuttle works was then an agricultural works to the map of 1993, then the whole area was redeveloped into apartments and housing from 1993 to the most current map
- A reservoir was shown immediately beyond the southwest corner of site (part of the gas works) from the map of 1912-1964
- There is a branch of the railway going to the former gas works shown from the map of 1912-1970
- Railway shown 100m east of site from the first map available (1847)
- Burial ground (adjacent to mortuary chapel) 120m and 250m northwest of site from the map of 1886 and on all subsequent maps

4 SITE SENSITIVITY

The following section details both geological and environmental data available for the site and the surrounding area. Full details can be found in the GeoInsight and EnviroInsight reports by Groundsure located in Appendix C

4.1 Geology

The documented geology of the site is summarised on British Geological Survey map principally:

Drift	Solid
Till (Devansian- silty sandy Clay)	Clitheroe Limestone Formation and Hodder Mudstone Formation (undifferentiated)- (Mudstone and Limestone)

4.2 Mining, extraction and natural cavities

The table below shows the mining data available (if any) for the ground under the site as shown the Centremaps GeoInsight report in Appendix C.

Type of Mining	Comment	Distance from site
Coal Mining	No	-
Non-coal mining	Yes	>500m from site (opencast limestone)

4.3 Hydrogeology

- The Till beneath site is classed as unproductive strata (negligibly permeable)
- The Limestone on site is classed as a Secondary A Aquifer (moderate permeability).
- The site does not lie within a groundwater source protection zone outlined by the Environment Agency

4.4 Hydrology

- The site does not lie within a flood risk area as defined by the Environment Agency.
- Nearest surface water feature is a stream 40m southwest of site
- There are no groundwater abstraction licenses within 900m of the site

4.5 Radon

The Envirocheck report obtained indicates that between 1-3% of properties are above the Action Level and suggests that no radon protection measures are necessary. Given that there are areas in the vicinity which are deemed to require Radon Protection Measures; it may be prudent to obtain a Radon Protection Report from the British Geological Survey to confirm this

4.6 Authorisations, Incidents and Registers

There are 3 recorded pollution incidents to controlled waters <250m from site as detailed below:

Distance/Direction from site	Incident details	Receiving water	Severity
112m W	08.09.93- Pollutant: Oils	Cemetery Beck	Category 3: Minor Incident
113m W	28.09.93- Pollutant: Oils	Cemetery Beck	Category 3: Minor Incident
244m NE	28.01.93- Industrial Effluent	Pimlico Brook	Cat. 2: Significant Incident

4.7 Landfill and Other Waste Sites

None recorded <500m from site

4.8 Summary of Environmental Sensitivity

The following section is a review of the environmentally sensitivity of the site as discussed in Sections 2-4. Significant potential risks are discussed in the following subsections and will then be evaluated as part of the Site Conceptual Model in Section 5.

Sources are defined as where pollution comes from, pathways are a route in which the pollution travels and receptors are anything affected by a pollutant. Further details on Source-Pathway-Receptor methodology can be found in Appendix D.

The table below focuses on significant site specific sources, pathways and receptors. More 'generic' pathways and receptors (such as site end uses) will be covered as part of the full Site Conceptual Model in Section 5.

4.9 Sources

Source	Distance/Direction	Details	Significant Risk Yes/no
Gas Works	0m S	The former gas works is a potential contamination and ground gas source. The fact that the gas works lies topographically down gradient of the site has been redeveloped <20 years ago (indicating some remedial measures should have been undertaken) and cohesive soils are anticipated suggests the risk of contamination migration from this source is lessened.	Yes
Reservoir	0m SE	The reservoir was infilled >50 years ago, infilled materials should have ceased gassing. Given the anticipated cohesive nature of the soils on site, the contamination/ground gas risk from this source is low.	No
Burial Ground	120/250m NW	The burial ground 120m from site is a potential ground gas/contamination risk. Given the anticipated cohesive nature of the soils beneath site, the risk of contamination migration from this source is low.	No
Former Railway	100m E	The railway is a potential contamination source. The fact that the former railway lies topographically down gradient of the site, has been redeveloped <20 years ago (indicating some remedial measures should have been undertaken) and cohesive soils are anticipated suggests the risk of contamination migration from this source is lessened.	Yes

5 INITIAL CONTAMINATION CONCEPTUAL MODEL

For details on how the conceptual model is evaluated please refer to Appendix D.

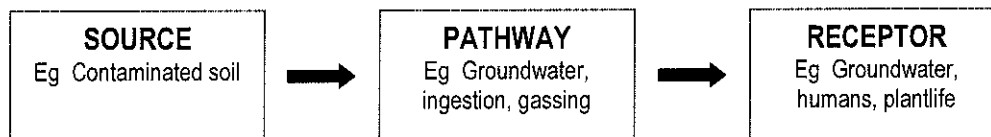
This section of the report aims to identify land which could potentially be affected by contamination, such that it could affect the value or re-use of the land, or such that mitigation would be required for certain proposed end uses of the land.

Potential contamination sources and environmentally sensitive receptors have been discussed in Section 5. Potentially significant risks are evaluated as part of the subsequent sub-sections.

5.1 Source-pathway-receptor linkages

The risk assessment uses a 'Source-Pathway-Receptor' methodology for assessing whether a source of contamination could potentially lead to harmful consequences. This means that there needs to be a pollutant linkage from source to receptor for harm to be caused, this linkage consisting of: a source of pollution; a pathway for the pollutant to move along; a receptor that is affected by the pollutant.

The current potential risks to site arising from various source-pathway-receptor linkages are assessed below. A risk may be considered significant if all three of the stages are present and therefore providing a pollution linkage. The various sources, pathways and receptors are considered separately. The assessment is based on the future use, which is understood to be residential with garden areas and hardstanding.



Type of Contamination	Potential sources	Potential Pathway	Potential Receptors	Pollution linkage	Comment	Estimated level of risk
Ground Gas	Former gas works off site	Inhalation of Vapours	Construction/ maintenance workers	Potentially Active	Given the anticipated cohesive nature of the soils beneath site, the risk of ground gas is deemed low, however should organic material be encountered, a ground gas investigation will be required to confirm	Low
		Vapours penetrating unprotected buildings	Future site users	Potentially Active	Given the anticipated cohesive nature of the soils beneath site, the risk of ground gas is deemed low, however should organic material be encountered, a ground gas investigation will be required to confirm	Low
Near surface Contaminants within soils	Former gas works offsite	Ingestion, inhalation, dermal contact	Current site users	Potentially Active	The site is accessible by the public at present though no evidence of contamination was encountered during the walkover. A ground investigation is required to benchmark risk to current site users	Low-Moderate
			Construction workers	Potentially Active	Potential contamination risk however PPE significantly reduces this	Low
			Future site users	Potentially Active	No significant contamination anticipated however a ground investigation is required to confirm	Moderate
			Adjacent land users	Potentially Active	Adjacent site users could potentially be exposed to dust arising from construction, post construction risks are negligible. Control of excavations via contractor with remedial plan will reduce the risk significantly	Low
	Former railway offsite	Direct contact	Structures	Potentially Active	Structures within the ground could be susceptible to attack from aggressive ground conditions and may need to be protected- chemical analysis should be undertaken to confirm this	Low
		Absorption in root zone	Plants	Potentially Active	Plants could be affected by phytotoxic determinands. Ground investigation should be undertaken to confirm this where residential gardens are proposed	Moderate
Mobile Contaminants, leachables e.g. from pollution sources adjacent to site	Former gas works offsite	Leaching into groundwater	Groundwater	Potentially Active	No significant sources on site. Cohesive state anticipated suggests low mobility of determinands from offsite sources	Low
	Former railway offsite	Off site migration in groundwater	Abstractions	Potentially Active	No current water abstraction <500m from site	Low
			Controlled waters	Potentially Active	No significant sources on site, possible culverted ditch between source and receptor flowing away from site suggesting lack of pathway	Low
Organic and Inorganic contaminants within soils/ groundwater	Former gas works offsite Former railway offsite	Potable water supply pipes	Utilities workers	Potentially Active	Some organic materials may penetrate plastic pipes, protection is anticipated to reduce the potential risk	Low

5.2 Summary

In this qualitative risk assessment, a **Low-Moderate** risk implies that remedial action is likely to be necessary at the site, although until a contamination ground investigation is carried out this cannot be confirmed.

Action: *It is recommended that an intrusive ground investigation is undertaken.*

5.3 Geotechnical Risk

- Potential shrink/swell within anticipated clays on site due to the existing mature hedgerows and trees.

6 SCOPE OF GROUND INVESTIGATION

6.1 Objectives of the Ground Investigation

The objectives of the intrusive ground investigation will be to:

- Clarify the 'Initial Contamination Conceptual Model'
- Clarify the initial risk assessment.
- Benchmark the contamination status of the site/add to the previously undertaken investigation
- Provide data for the design of any remedial works that may be required.

6.2 Proposed Ground Investigation Scope

On assessing the previous potential risks on site, we have compiled the following recommendations for further investigation.

- Trial pitting using a JCB 3CX or equivalent
- 15 No soil samples taken for chemical analysis to benchmark contamination levels across the site targeted to residential gardens (based on a 25m grid system) Proposed testing will include but not be limited to the following; heavy metals suite (comprising; As, Cd (low level), Cr Vi, Pb, Hg, Se, Ni, Cu, Zn), Organic Matter, Sulphate, pH, speciated polycyclic aromatic hydrocarbons, and speciated petroleum hydrocarbons
- Atterburg Limit/Moisture content tests to benchmark the plasticity of the clay beneath the site
- Soil samples should be taken from both the Made Ground where evident and the natural strata to assess the mobility of potential contamination and the potential re-use of arisings
- Should visual/olfactory contamination and/or elevated determinands be encountered (specifically in relation to the former gas works/reservoir) additional testing for VOCs/SVOCs, PCBs and asbestos will be required
- Should elevated determinands be encountered on site, additional leachate and/or groundwater testing will be required to assess mobility of determinands.

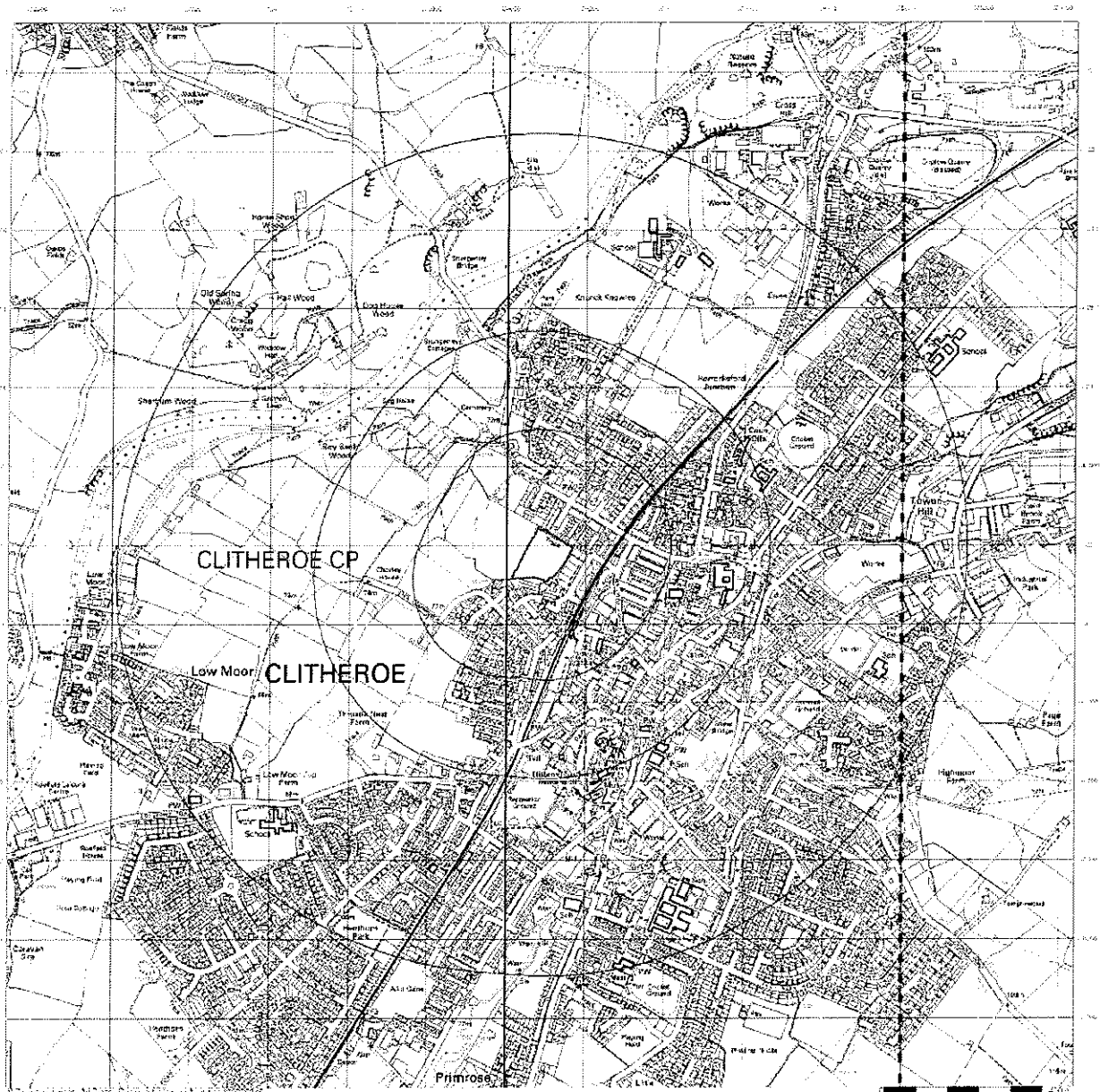
The scope of works should be agreed with the Local Authority prior to the intrusive ground investigation and as such may change

7 REFERENCES

- 7.1** BS 5930:1999 Code of Practice for Site Investigation.
- 7.2** BS10175:2011 Investigation of potentially contaminated sites- Code of practice
- 7.3** R & D Publication CLR 8 (March 2002) Assessment of Risks to Human Health from Land Contamination: An Overview of the Development of Soil Guideline Values and Related Research Environment Agency
- 7.4** R & D Publication CLR 10 (March 2002) The Contaminated Land Exposure Assessment Model (CLEA): Technical basis and algorithms Environment Agency
- 7.5** Contaminated Land Risk Assessment; a Guide to Good Practice; CIRIA C552: 2001
- 7.6** BRE 211 Radon: guidance on protective measures for new buildings (including supplementary advice for extensions, conversions and refurbishment) (2007 edition)
- 7.7** Assessment of risks to human health from land contamination: an overview of the development of guideline values and related research EA, 2002
- 7.8** *Contaminated Land Risk Assessment, A Guide to Good Practice; CIRIA C552. 2001*
- 7.9** *Health and Safety in Construction, HSG150, HSE, 1996*
- 7.10** *Baker W (1987), Investigation Strategy - lecture at City of Birmingham Development Department Symposium on Methane Generating Sites, 9 December 1987, Industrial Research Laboratories, Birmingham*
- 7.11** *NHBC Standards, Chapter 4 2, 2003 Building Near Trees*
- 7.12** *Piling In Layered Ground: Risks to Groundwater and Archaeology Science Report SC020074/SR Environment Agency October 2006*
- 7.13** *Piling and Penetrative Ground Improvement Methods on Land Affected by Contamination: Guidance on Pollution Prevention National Groundwater & Contaminated Land Centre report NC/99/73 F J Westcott, C M B Lean & M L Cunningham May 2001*
- 7.14** 'Guidance on Evaluation of Development Proposals on Sites Where Methane and Carbon Dioxide are Present', Report Edition No 04 March 2007 NHBC – designed for use with low rise residential properties
- 7.15** CIRIA C665 'Assessing risks posed by hazardous ground gases for buildings' 2007 - for high rise residential / flats
- 7.16** BS8485:2007 'Code of practice for the characterization and remediation from ground gas in affected developments'
- 7.17** BRE 414 'Protective measures for housing on gas-contaminated land' Roger Johnson, Parkman Environment 2001
- 7.18** BS 8500- 1:2006 'Concrete – Complementary British Standard to BS EN 206-1 – Part 1: Method of specifying and guidance for the specifier' November 2006
- 7.19** 'Planning Policy 23: Planning and Pollution Control' Office of the Deputy Prime Minister 2004
- 7.20** CLR11 'Model Procedures for the Management of Land Contamination' DEFRA 2004
- 7.21** 'Report of Ground Conditions' by Roger Hetherington & Associates dated November 2005 Ref: L1429

APPENDIX A

(i) Site Location Plan

**Site Location Plan**

11CHE037/DS

Waddow View, Milton Avenue, Clitheroe,
BL6 4DG

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ii) Site Photographs





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Culvert issues- off site

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APPENDIX B

(i) Historical Mapping

Index Map

For ease of identification, your site and buffer have been split into Slices, Segments and Quadrants. These are illustrated on the Index Map opposite and explained further below.

Slice

Each slice represents a 1:10,000 plot area (2.7m x 2.7m) for your site and buffer. A large site and buffer may be made up of several slices (represented by a red outline), that are referenced by letters of the alphabet, starting from the bottom left corner of the slice "grid". This grid does not relate to National Grid lines but is designed to give best fit over the site and buffer.

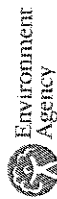
Segment

A segment represents a 1:2,500 plot area. Segments that have plot files associated with them are shown in dark green, others in light blue. These are numbered from the bottom left hand corner within each slice.

Quadrant

A quadrant is a quarter of a segment. These are labelled as NW, NE, SW, SE and are referenced in the datasheet to allow features to be quickly located in Slices A, Segment 2 feature that has a quadrant reference of A/NW will be in Slice A, Segment 7 and the NW Quadrant.

A selection of organisations who provide data within this report:



Envirocheck reports are compiled from 136 different sources of data.

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Client Details

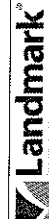
Mr M Fawcett, Betts Geo Environmental, Old Marsh Farm
Barns, Welsh Road, Sealand, Flintshire, CH5 2LY

Order Details

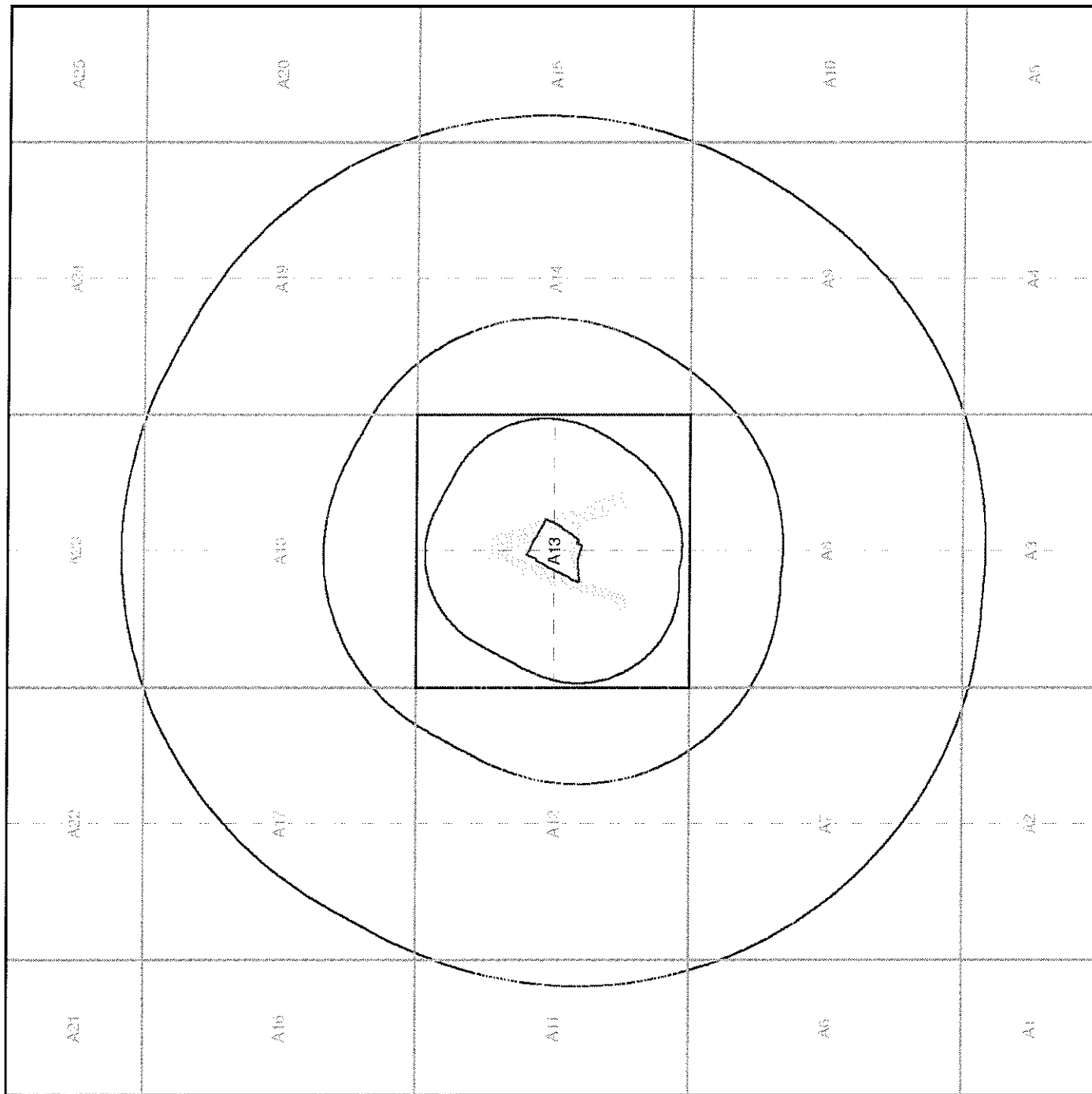
Order Number: 35721469 1, i
Customer Ref: 11CHE037 _1
National Grid Reference: 374080, 442170
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Millon Avenue, CLITHEROE, Lancashire, BB7 2HX

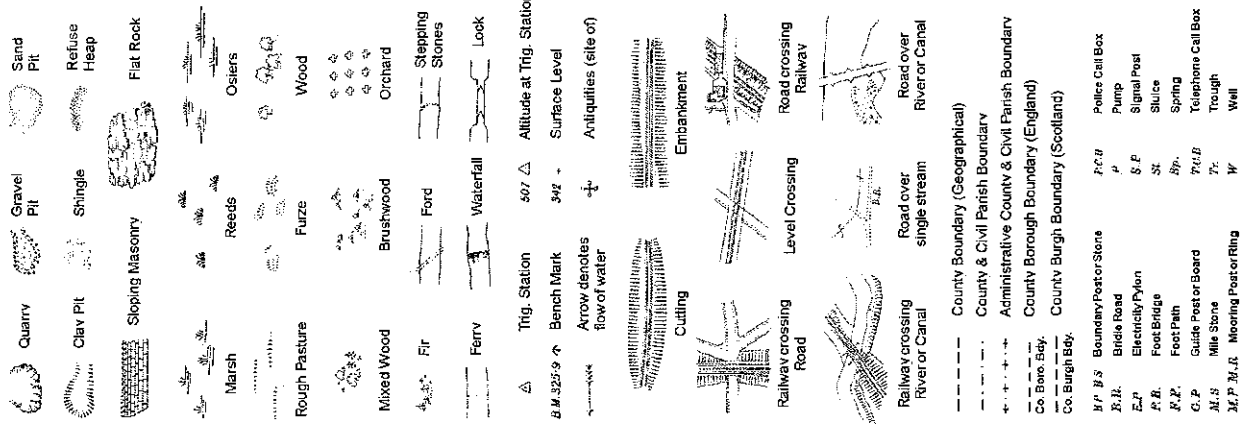


Tel: 0844 844 9900
Fax: 0844 844 9901
Web: www.envirocheck.co.uk

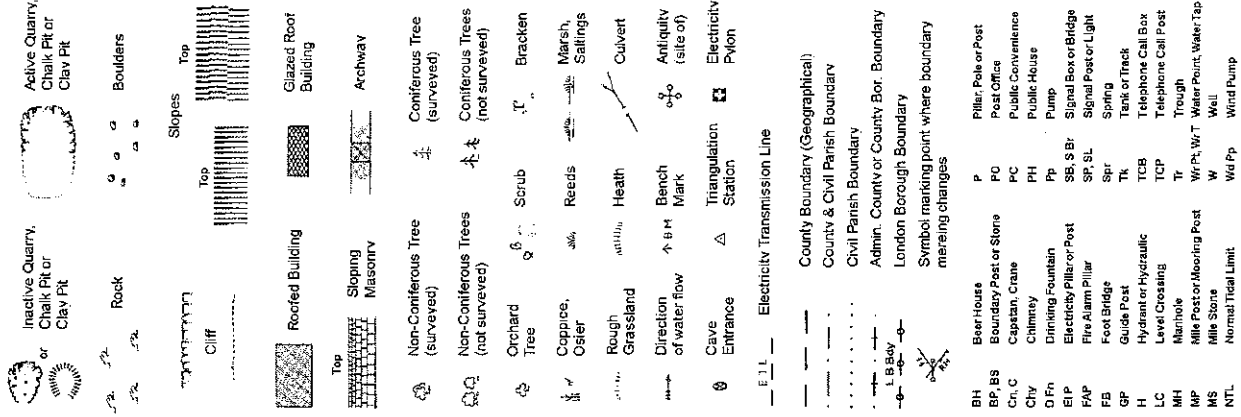


Historical Mapping Legends

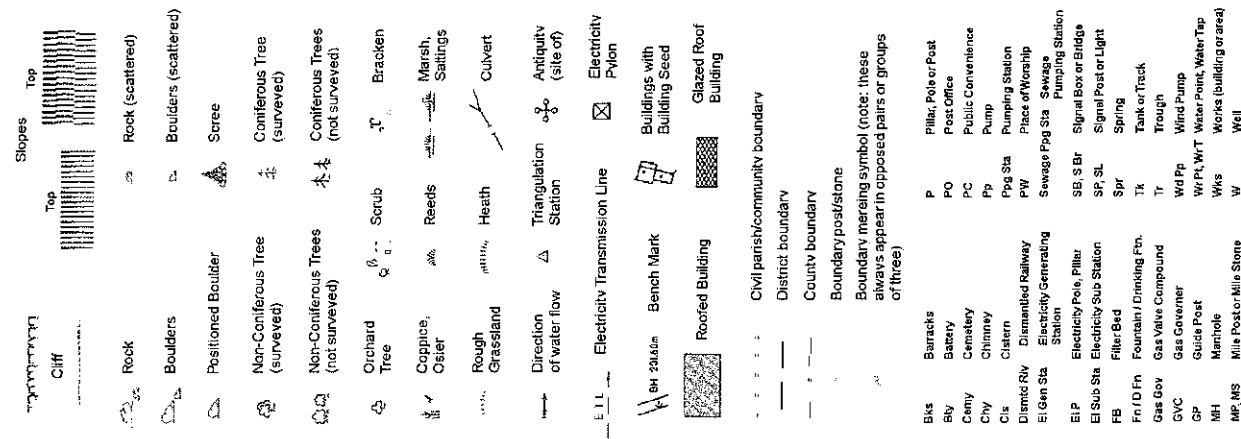
Ordnance Survey County Series and
Ordnance Survey Plan 1:2,500



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



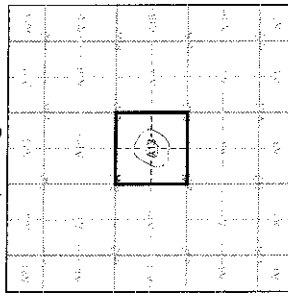
Large-Scale National Grid Data 1:2,500 and
1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pit
Yorkshire	1:2,500	1986	2
Lancashire And Furness	1:2,500	1986	3
Yorkshire	1:2,500	1986	4
Lancashire And Furness	1:2,500	1986	5
Ordnance Survey Plan	1:2,500	1986	6
Ordnance Survey Plan	1:2,500	1986	7
Additional SIMs	1:2,500	1986	8
Additional SIMs	1:2,500	1986	9
Large-Scale National Grid Data	1:2,500	1993	10
Large-Scale National Grid Data	1:2,500	1993	11
Large-Scale National Grid Data	1:2,500	1993	12
Large-Scale National Grid Data	1:2,500	1993	13
Large-Scale National Grid Data	1:2,500	1993	14
Large-Scale National Grid Data	1:2,500	1993	15
Large-Scale National Grid Data	1:2,500	1993	16
Large-Scale National Grid Data	1:2,500	1993	17
Large-Scale National Grid Data	1:2,500	1993	18
Large-Scale National Grid Data	1:2,500	1993	19

Historical Map - Segment A13



Order Details

Order Number: 35721469 1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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



Yorkshire
Published 1886

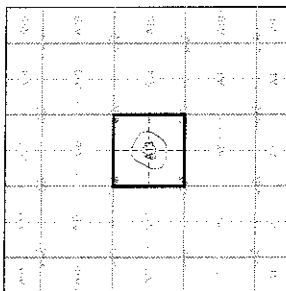
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

182, 10 1886 1:2,500	182, 11 1886 1:2,500
182, 14 1886 1:2,500	

Historical Map - Segment A13



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Order Details

Order Number: 35721469 1_1
Customer Ref: 11CHIE037
National Grid Reference: 374090, 442170
Site: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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Lancashire And Furness

Published 1886

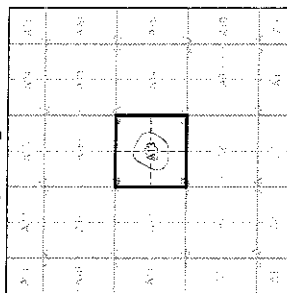
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for most maps and by 1860 it covered the whole of what were considered to be the outlying areas of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938 all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

647 10
12.360

Historical Map - Segment A13



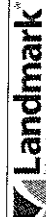
320110892P

Order Details

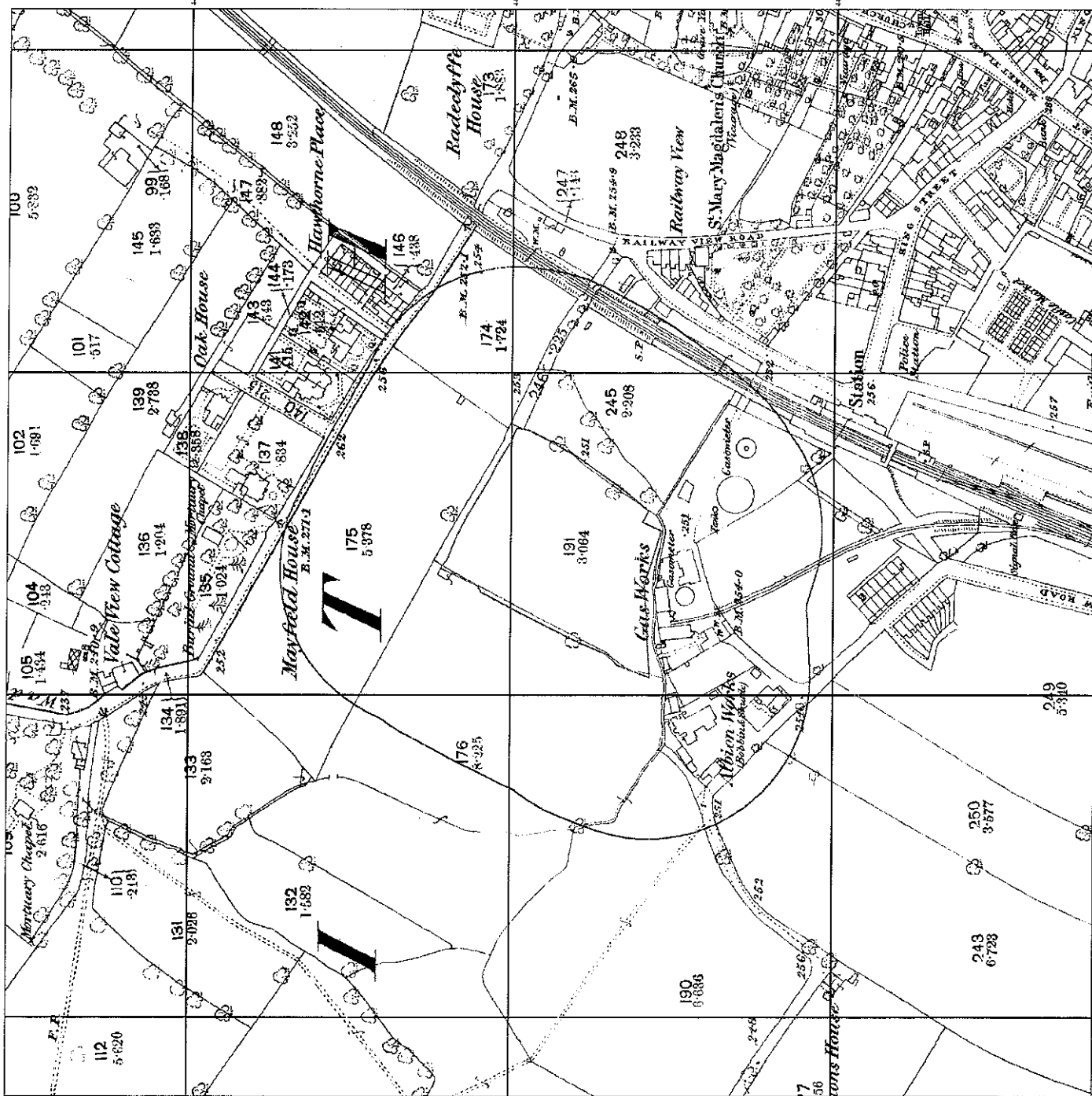
Order Number: 35721469 1.1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Site: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Yorkshire Published 1908

Source map scale - 1:2,500

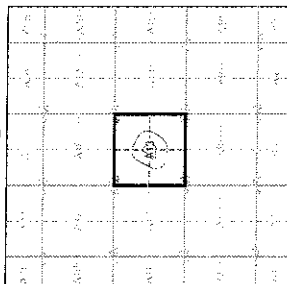
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was added for the purpose of mapping the whole of Great Britain. The published date given below is often some years later than the surveyed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

Map Name(s) and Date(s)

182, 10	182, 11
1908	1908
1:2,500	1:2,500

182, 14	182, 15
1908	1908
1:2,500	1:2,500

Historical Map - Segment A13



320110892P

Order Details

Order Number: 35721469, 1, 1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Fax: 0844 844 9551
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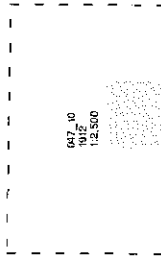


Lancashire And Furness Published 1912

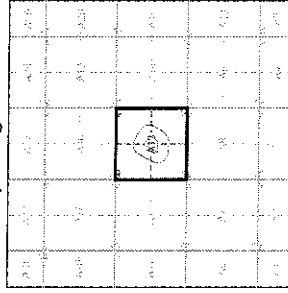
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1886 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 35721469 1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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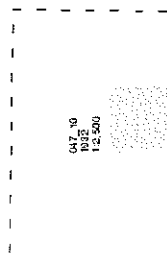


Lancashire And Furness
Published 1932

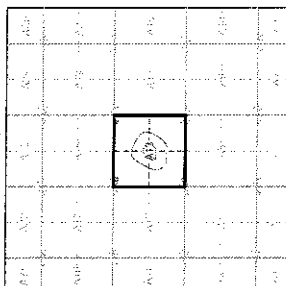
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held in the scale adopted for England, Wales and Scotland in the 1840's. In 1854 this 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1939, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, allowing rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 35721469_1_i

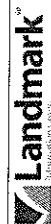
Customer Ref: 11CHE037
National Grid Reference: 374090 442170

Slice: A

Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

Site Details
1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



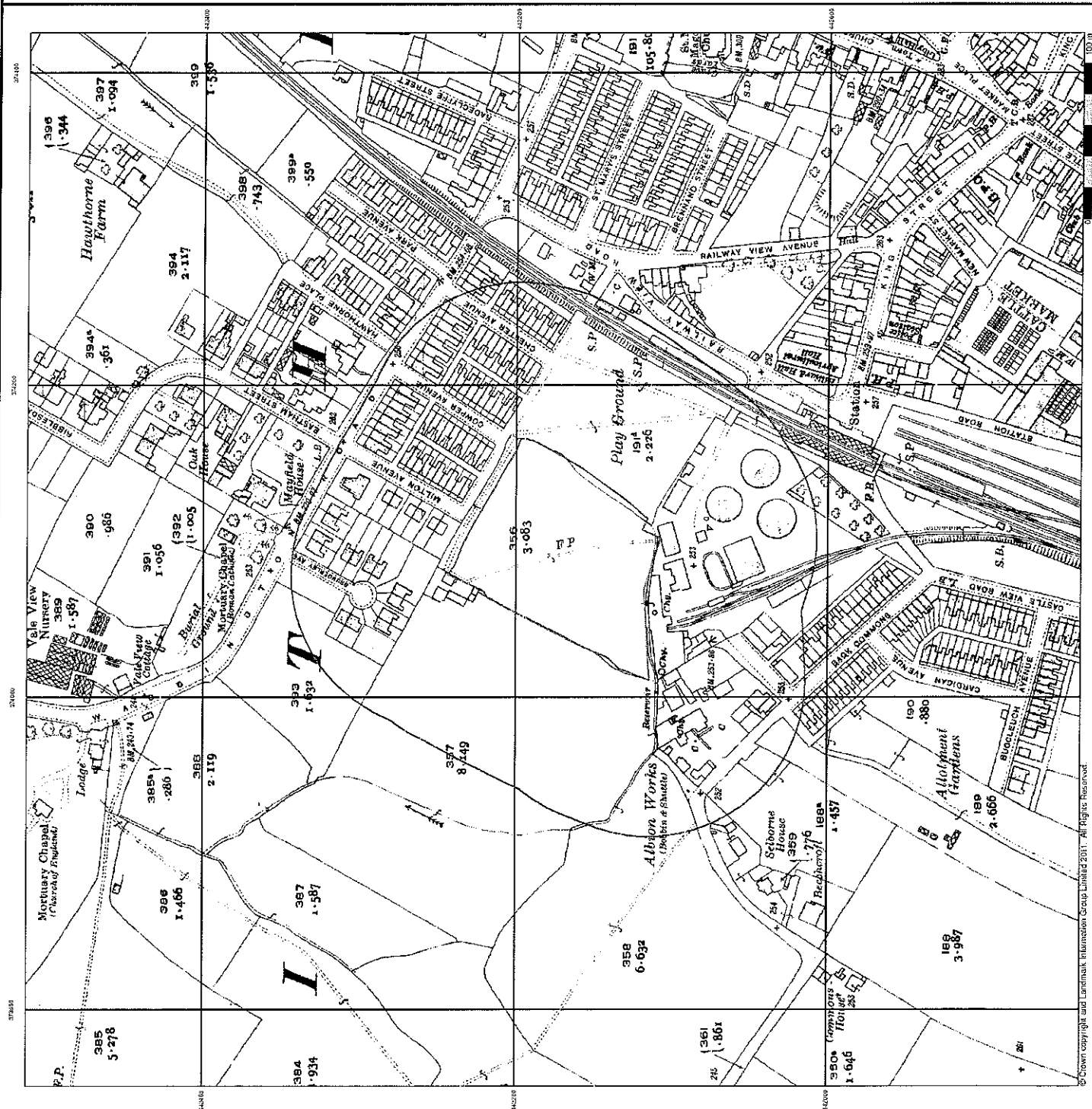
Tol.

Tol.

Tol.

Tol.

A Landmark Information Group Service v42.0 11-Aug-2011 Page 6 of 19





Ordinance Survey Plan Published 1964 - 1965

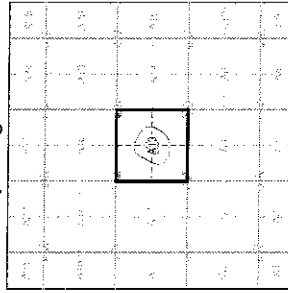
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1964 the 1:2,500 scale was adopted for mapping urban areas and by 1965 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SD7342	1964	1:2,500
SD7442	1964	1:2,500
SD7341	1964	1:2,500
SD7441	1965	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 35721469 1_i
Customer Ref: 11CH037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Ordinance Survey Plan

Published 1970 - 1977

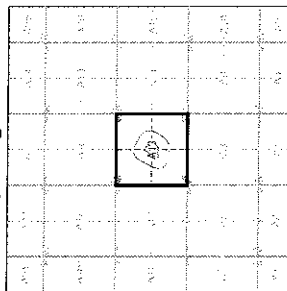
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in 1894, the 1:2,500 scale was adopted for mapping urban areas and by 1986 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SD7442	1970
SD7441	1977
SD7341	1977
SD7441	1977
SD7441	1977
SD7441	1977
SD7441	1977
SD7441	1977
SD7441	1977
SD7441	1977

Historical Map - Segment A13



Order Details

Order Number: 35721469, 1, 1
Customer Ref: 11CH037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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Email: sales@landmark.co.uk





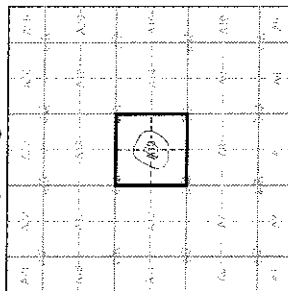
Additional SIMs
Published 1981 - 1986
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions of a map area was updated. They date from 1947 to 1984, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD7442	1981	1:2,500
SD7441	1986	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 35721469 1, 1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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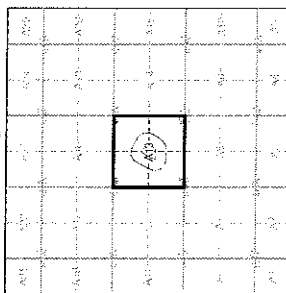
**Additional SIMs
Published 1990
Source map scale - 1:2,500**

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further mapping which were produced and published in 1990, between the main edition of the SIMs and the 1994 edition. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD 7442	1990
SD 7443	1990
SD 7444	1990
SD 7445	1990

Historical Map - Segment A13



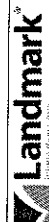
320110892P

Order Details

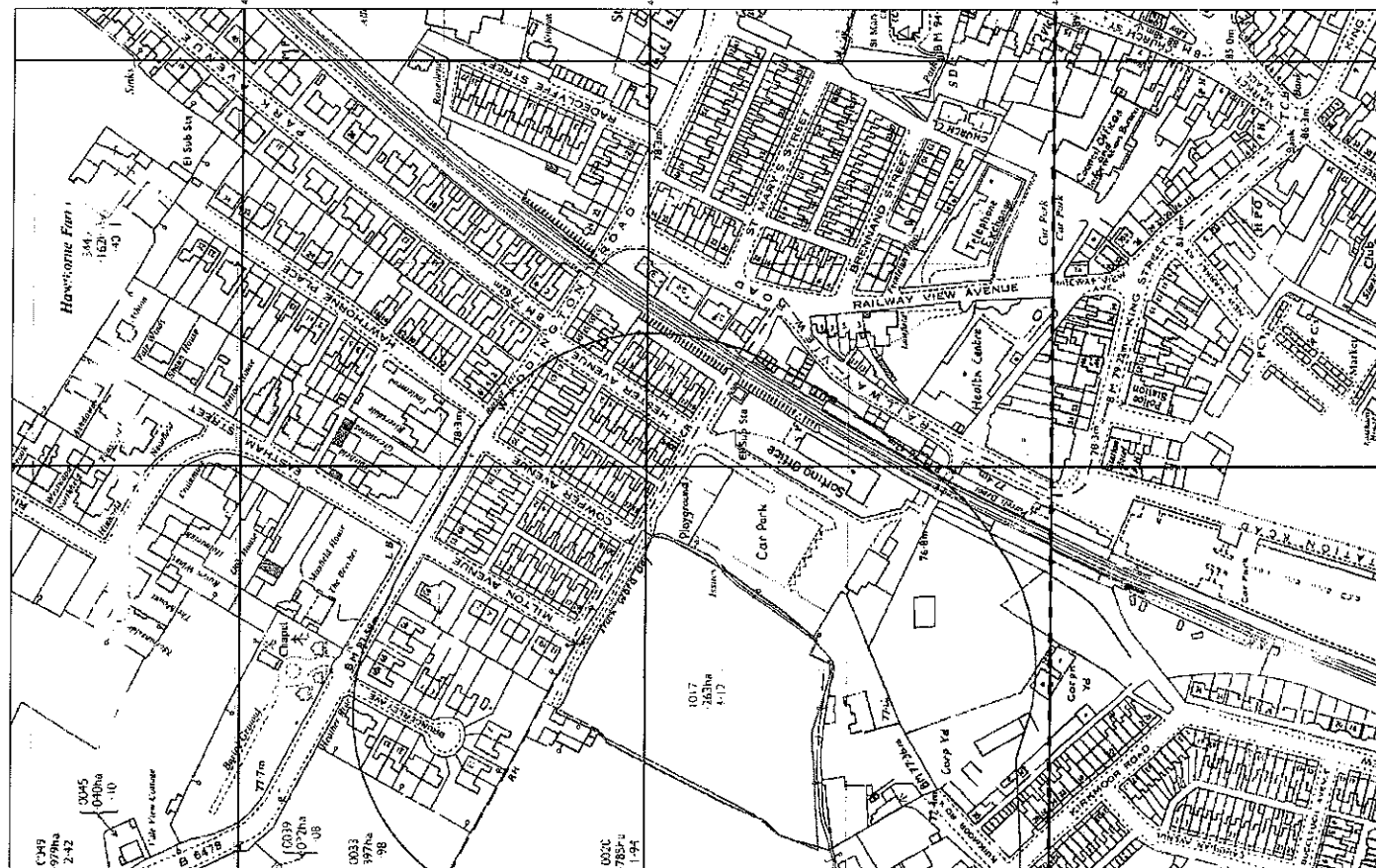
Order Number: 35721469 1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data Published 1993

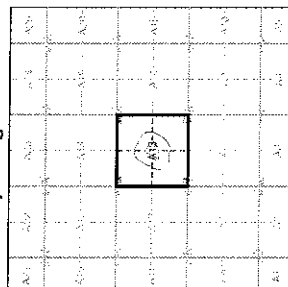
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD7342	SD7442
1983	1985
12,500	12,500
SD7341	SD7441
1983	1983
12,500	12,500

Historical Map - Segment A13



Order Details

Order Number: 35721469 1.1
Customer Ref: 11CHE037
National Grid Reference: 374080, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data Published 1993 - 1995

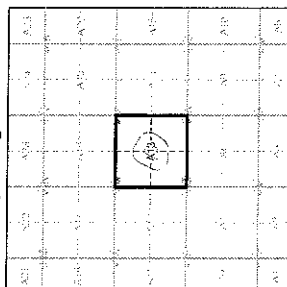
Source map scale - 1:2,500

Large Scale National Grid Data superseded SIM cards (Ordnance Survey's Survey of Information on Microfilm) in 1992. These maps were the first series of digital maps to provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD7342	SD7442
1995	1995
1:2,500	1:2,500
SD7441	SD7441
1995	1995
1:2,500	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 35721469 1.1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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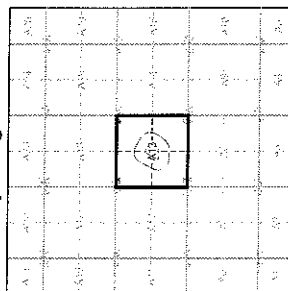
Large-Scale National Grid Data Published 1994 - 1997 Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD7342	SD7482
1987	1984
12,500	12,500
SD7341	SD7341
1995	1995
12,500	12,500

Historical Map - Segment A13



320110892P

Order Details

Order Number: 35721469_1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data Published 1995 - 1996

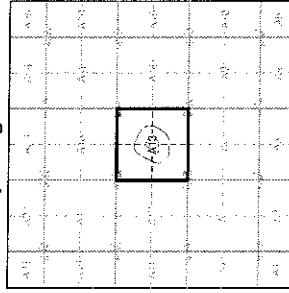
Source map scale - 1:2,500

Large Scale National Grid Data' superseded SMI cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992. Data was first produced in 1995. These maps were the forerunners of digital maps and provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD21441	SD21441
1996	1996
1:2,500	1:2,500

Historical Map - Segment A13



Order Details

Order Number: 35721469 1.1
Customer Ref: 11CHIE037
National Grid Reference: 374080, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1995 - 1997

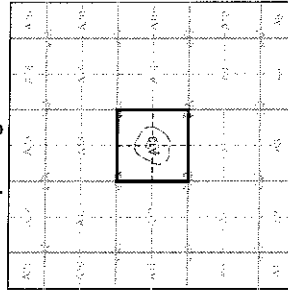
Source map scale - 1:2,500

Large Scale National Grid Data superseded SIM cards. Ordnance Survey's Survey of Information on Microfilm (SIM) in 1992, and could not be produced until 1999. These maps were the forerunners of digital maps and provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD7442	1995
SD7441	1997

Historical Map - Segment A13



Order Details

Order Number: 35721469 1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Web: www.envirocheck.co.uk



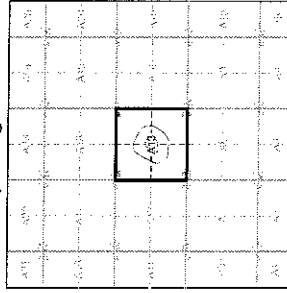
Large-Scale National Grid Data Published 1995 - 1997 Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD7442	1995
SD7441	1997

Historical Map - Segment A13



Order Details

Order Number: 35721469 1, 1
Customer Ref: 11CHE037
National Grid Reference: 374080, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data Published 1996

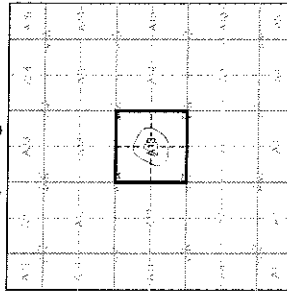
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD7442
1999
1:2,500

Historical Map - Segment A13



Order Details

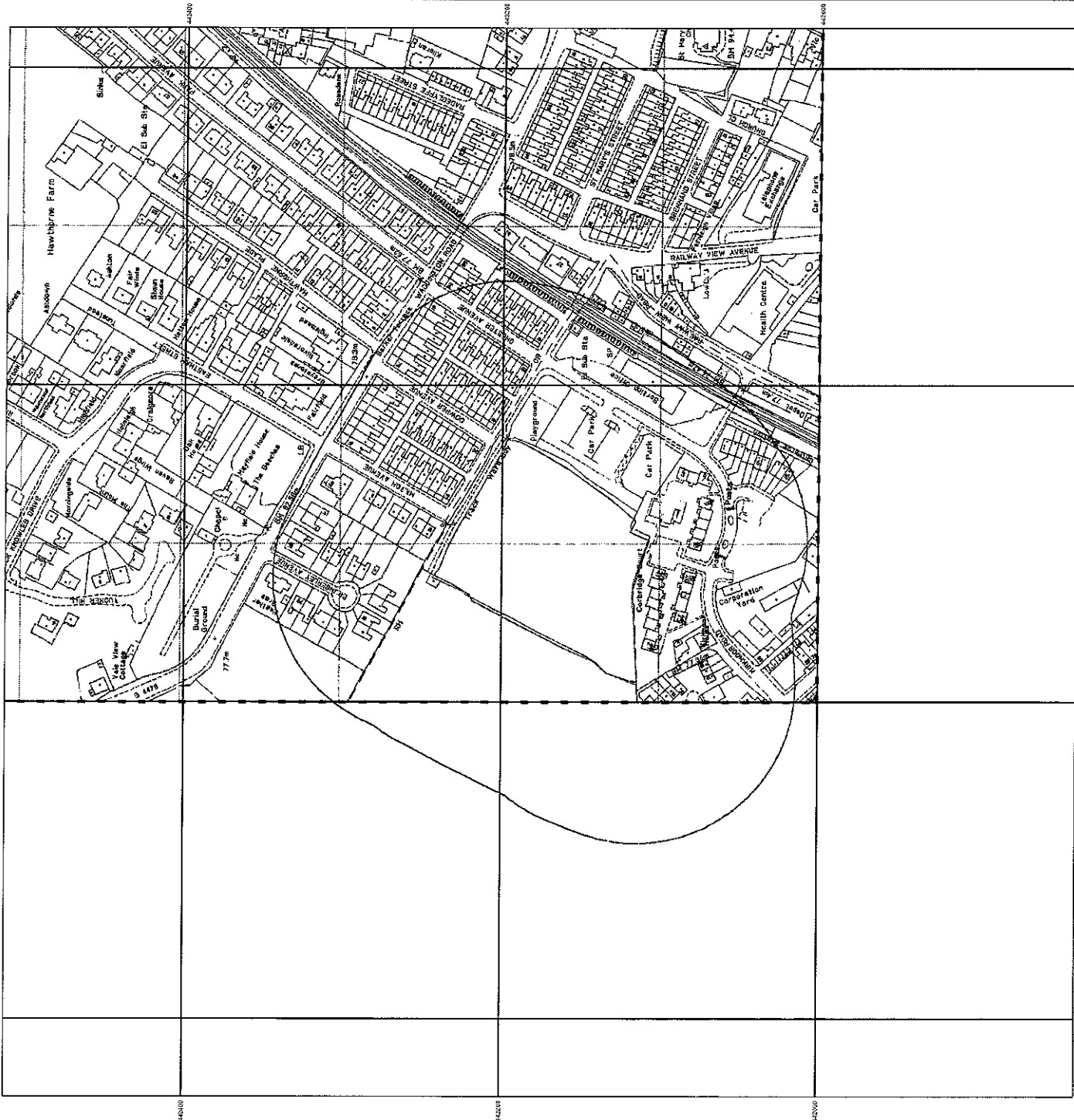
Order Number: 35721469 1_i
Customer Ref: 11CHE037
National Grid Reference: 374080, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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Fax: 0844 844 9551
Web: www.envirocheck.co.uk



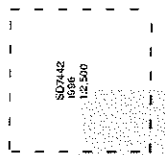


**Large-Scale National Grid Data
Published 1996**

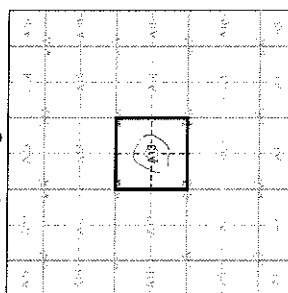
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Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the forerunners of digital mapping and so provide detailed information on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

Map Name(s) and Date(s)



Historical Map - Segment A13



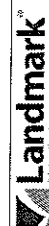
Order Details

Order Number: 35721469_1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170

Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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A Landmark Information Group Service v42.0 11-Aug-2011 Page 18 of 19



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A vertical color calibration bar featuring a grayscale ramp from black to white, followed by several color patches. The text '100 mm' is printed vertically on the right side of the bar.

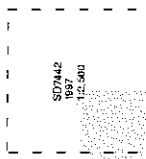


Large-Scale National Grid Data Published 1997

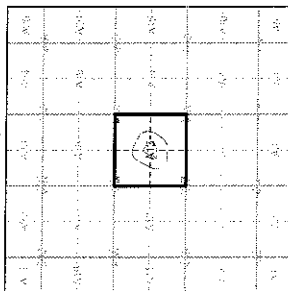
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



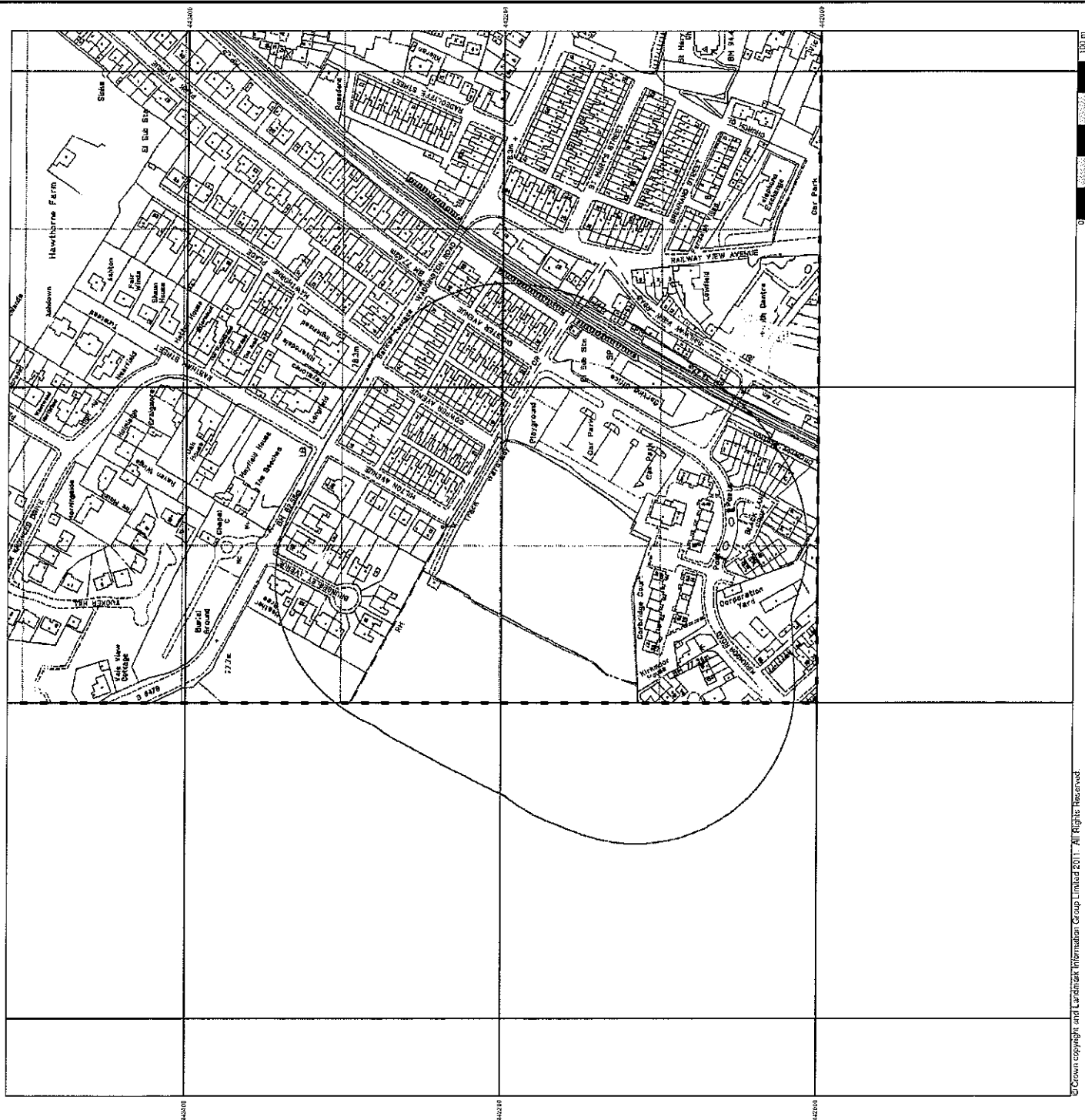
Order Details

Order Number: 35721469_1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX

320110892P



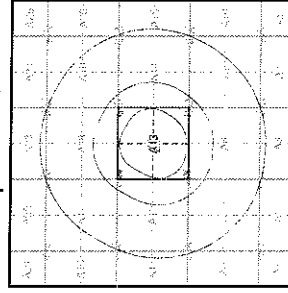
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Fax: 0844 844 9651
www.landmark.co.uk

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1847	2
Yorkshire	1:10,560	1848 - 1860	3
Lancashire And Furness	1:10,560	1860	4
Yorkshire	1:10,560	1860	5
Yorkshire	1:10,560	1886	6
Yorkshire	1:10,560	1911	7
Lancashire And Furness	1:10,560	1914	8
Lancashire And Furness	1:10,560	1930	9
Lancashire And Furness	1:10,560	1933	10
Lancashire And Furness	1:10,560	1938	11
Ordnance Survey Plan	1:10,000	1955	12
Ordnance Survey Plan	1:10,000	1972 - 1977	13
10K Raster Mapping	1:10,000	2001	14
10K Raster Mapping	1:10,000	2006	15
10K Raster Mapping	1:10,000	2011	16

1:10,000 Raster Mapping

Historical Map - Slice A



Order Details

Order Number: 35721469_1_1
 Customer Ref: 11CHE037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Search Buffer (m): 1000

Site Details

1 Million Avenue, CLITHEROE, Lancashire, BB7 2HX

Historical Mapping Legends

Ordnance Survey Plan 1:10,000

Ordnance Survey County Series 1:10,560

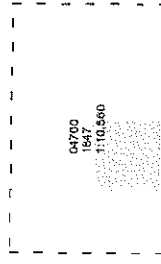


Lancashire And Furness Published 1847

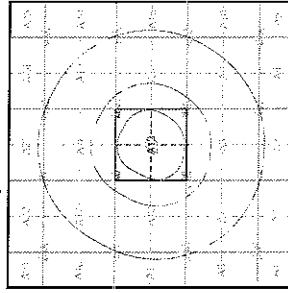
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 35721469 1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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Fax: 0844 844 9551
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Yorkshire

Published 1848 - 1850

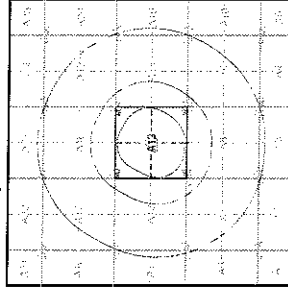
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1838, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1840's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unaltered - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The edition produced and recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

1820	1850	1880
1850	1880	1910
1880	1910	1940
1910	1940	1970
1940	1970	2000
2000	2010	2020

Historical Map - Slice A



Order Details

Order Number: 35721469 1
Customer Ref: 11CHE037 _
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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Fax: 0844 844 9551
Web: www.envirocheck.co.uk

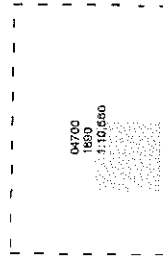


Lancashire And Furness Published 1890

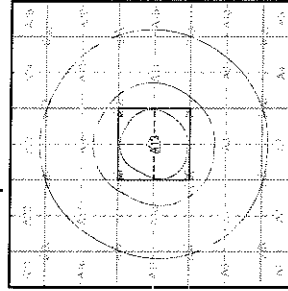
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

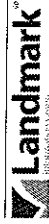


Order Details

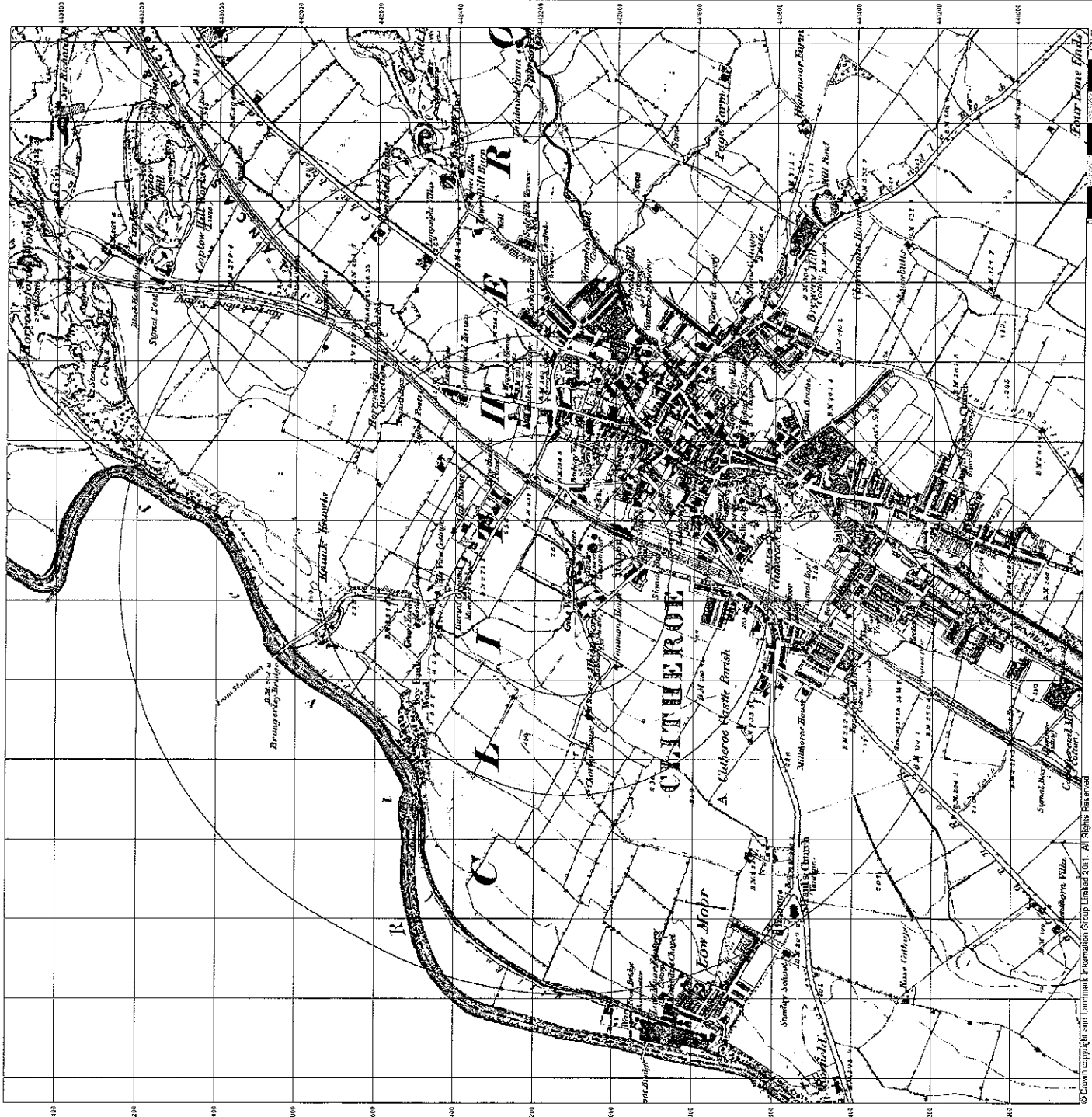
Order Number: 35721469_1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Site: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



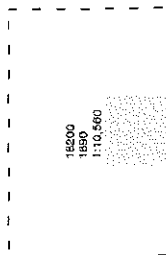
Tel: 0844 844 5952
Fax: 0844 844 5951
Web: www.envirocheck.co.uk



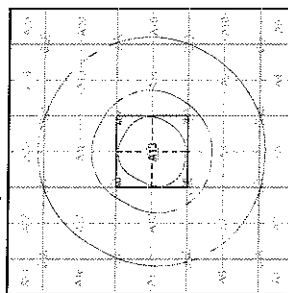
Yorkshire Published 1890 Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in 1890. In 1894 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published data given therefore is often some years later than the surveyed data. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in cullying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear undistorted - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first revision of maps was produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

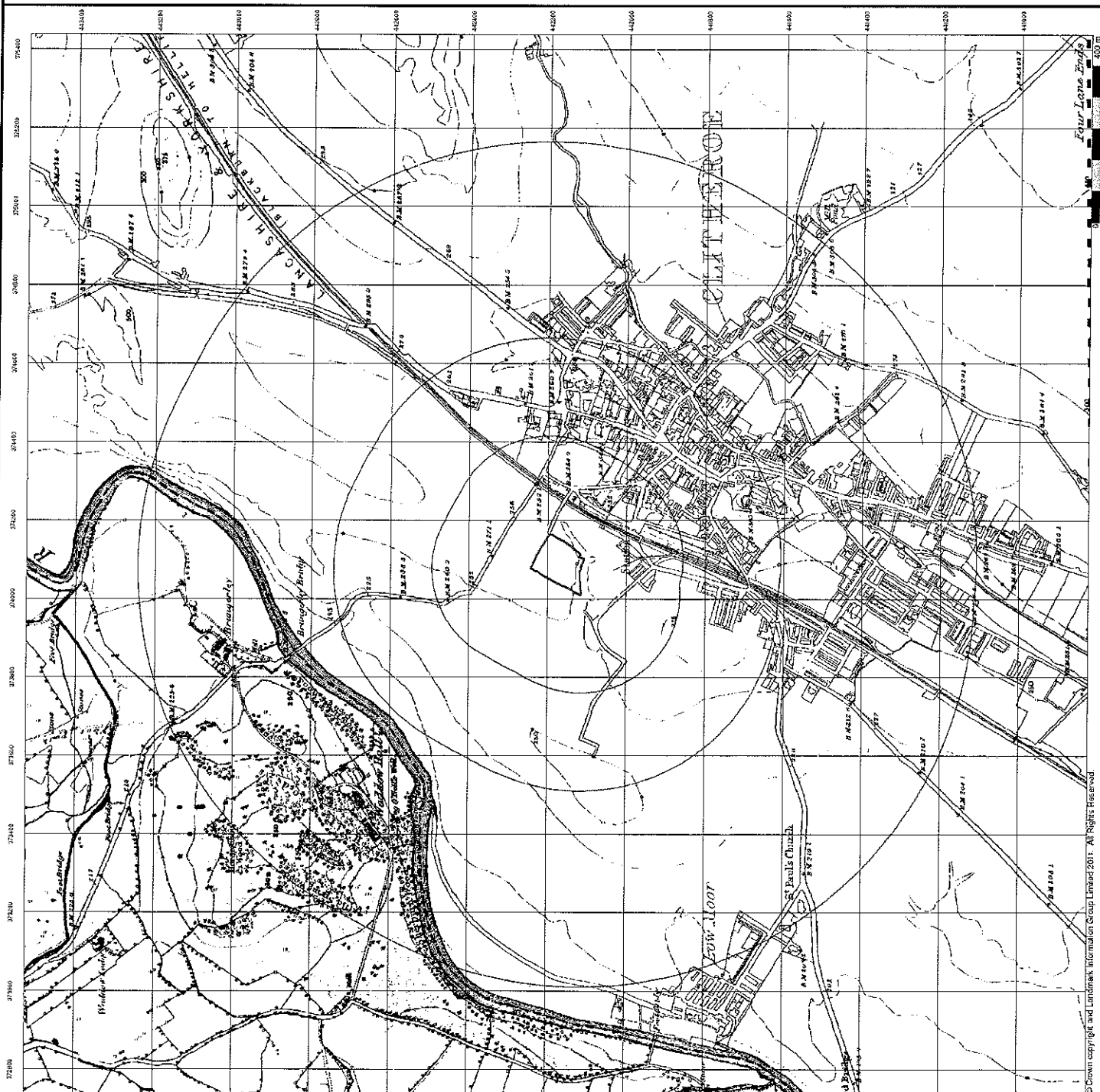


Order Details

Order Number: 35721469 1 i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX





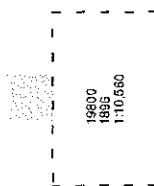
Yorkshire

Published 1896

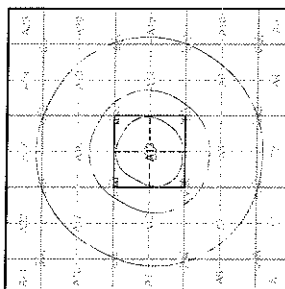
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



320110892P

Order Details

Order Number: 35721469_1
Customer Ref: 11CHIE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX

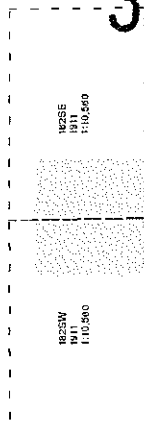


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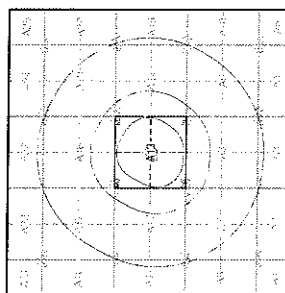
Yorkshire
Published 1911
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale required for England, Wales and Scotland in the 1940's. In 1954 there were 1:250,000 scale maps for mapping urban areas; these maps were updated to 1:62,500 scale in 1964. The published data prior to 1954 were often some years later than those available. Before 1935, all OS maps were based on the Cassini Projection, which was a significant source of error in a number of countries, giving rise to significant measurement errors in surveying campaigns. In the late 1940's, a Provisional Edition was produced which updated the 1:62,500 mapping from a number of sources. The maps appeared, though unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:110,000 maps were produced using the Transverse Mercator Projection. The Provision version process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

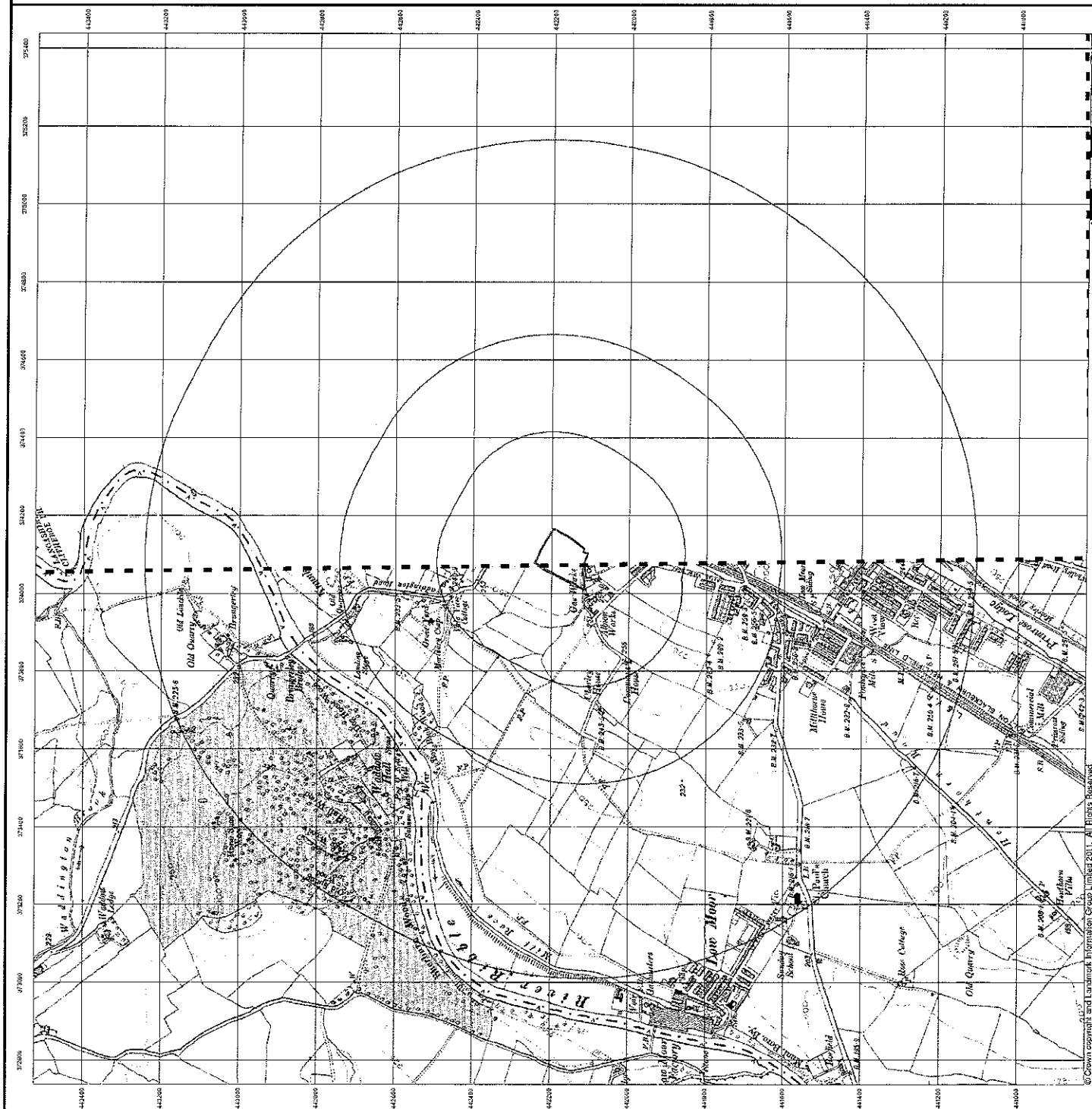


Order Details
Order Number: 35721469, 1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details
1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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





Lancashire And Furness Published 1914

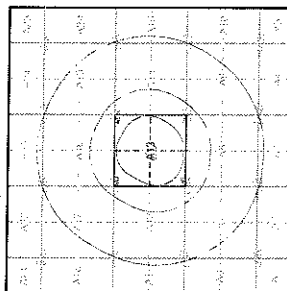
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for the Ordnance Survey maps of the 1940's. In 1854 the 1:2,500 scale was adopted for the mapping of urban areas; these maps were used to update the 1:10,560 maps. The Ordnance Survey maps of the 1940's were often some years later than the surveyed date. Before 1938, the maps were based on the Cassini Projection, with independent surveys of individual areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overlaid with the National Grid. In 1970, the first revision process continued using the Transverse Mercator Projection. The 1:10,000 maps were produced until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

047NW 1914 1:10,560	047NE 1914 1:10,560
047SW 1914 1:10,560	047SE 1914 1:10,560

Historical Map - Slice A

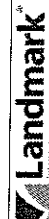


Order Details

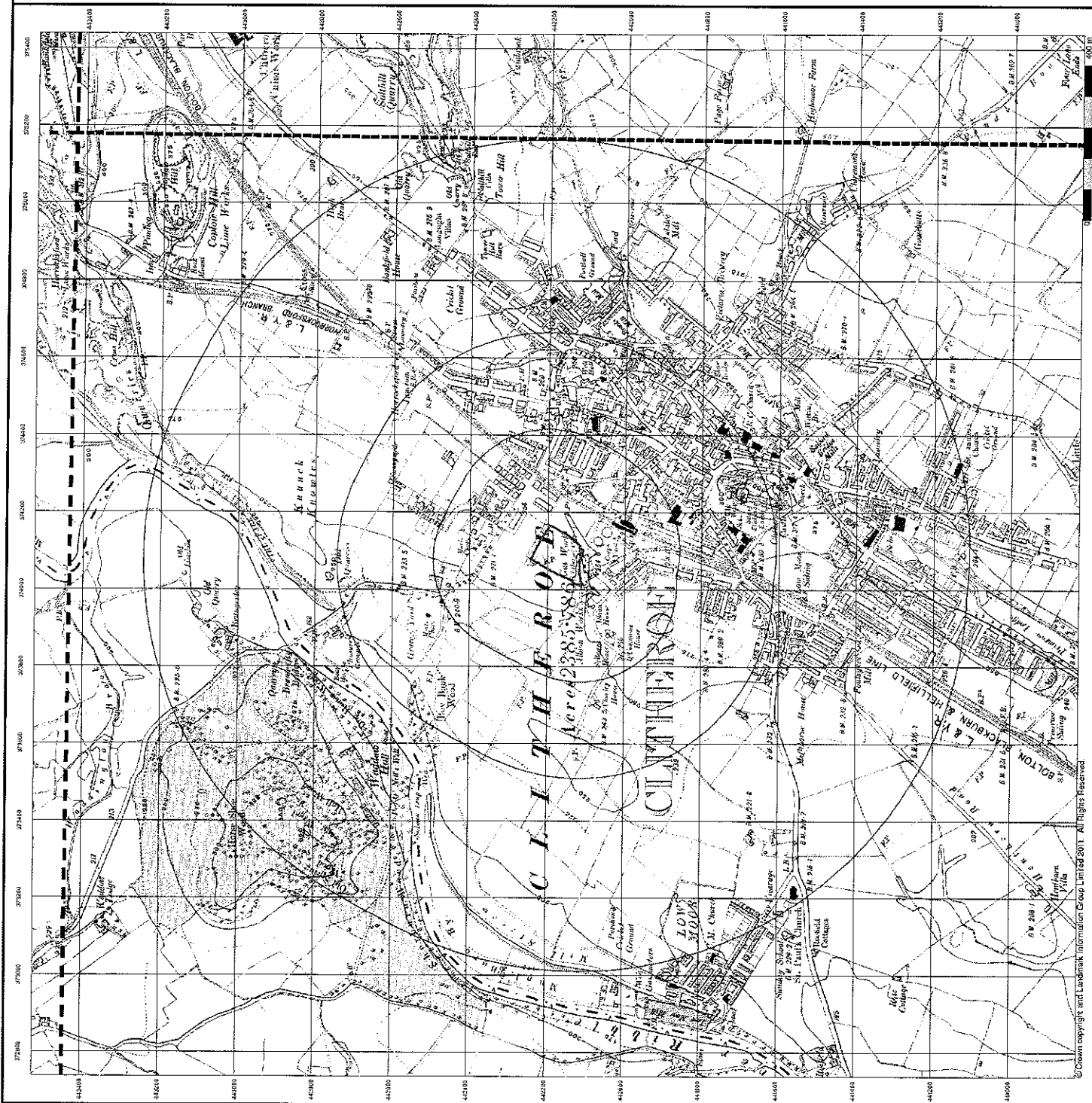
Order Number: 35721469_1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

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Lancashire And Furness Published 1930

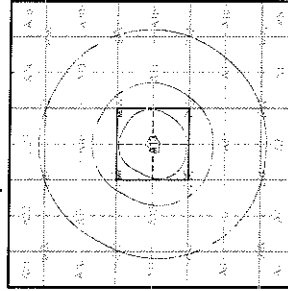
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1940's. In 1954 the 1:2,500 scale was adopted for most of the maps. These maps were often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in adjoining areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

047NW	047NE
1930	1930
1:10,560	1:10,560

Historical Map - Slice A



Order Details

Order Number: 35721469_1_i
Customer Ref: 11CHE037_1
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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Fax: 0844 644 9551
Web: www.envirocheck.co.uk

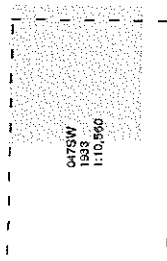


Lancashire And Furness Published 1933

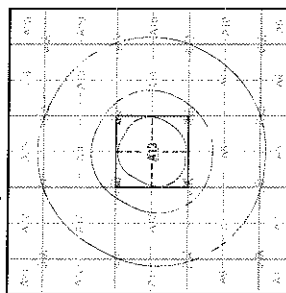
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 35721469 1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

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Lancashire And Furness

Published 1938

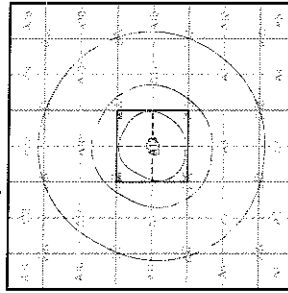
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

047NW	1938
1:10,560	
047SW	1938
1:10,560	

Historical Map - Slice A



320110892P



Order Details

Order Number: 35721469 1.1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



Landmark
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0844 844 9551
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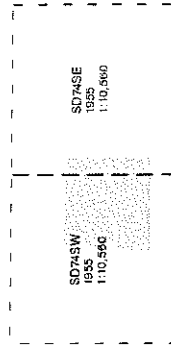


Ordinance Survey Plan Published 1955

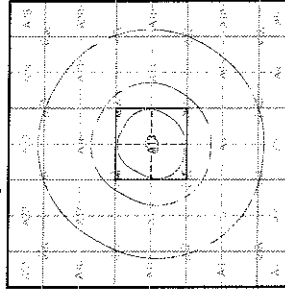
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 35721469 1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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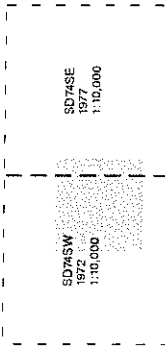


Ordnance Survey Plan Published 1972 - 1977

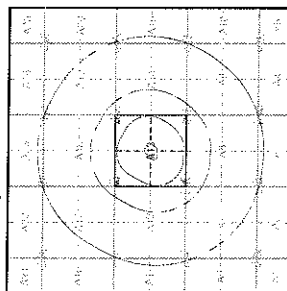
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the Ordnance Survey (OS) archives. The maps were published in 1972 and 1977 at the 1:10,000 scale. These maps were often some years later than the surveyed data. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,000 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

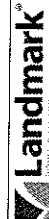


Order Details

Order Number: 35721469 1_i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

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Web: www.envirocheck.co.uk

CLITHEROE MB & CP



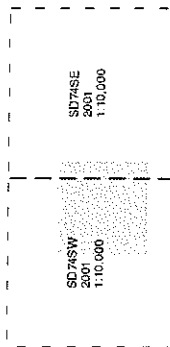
10k Raster Mapping

Published 2001

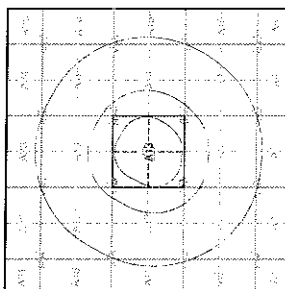
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

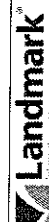


Order Details

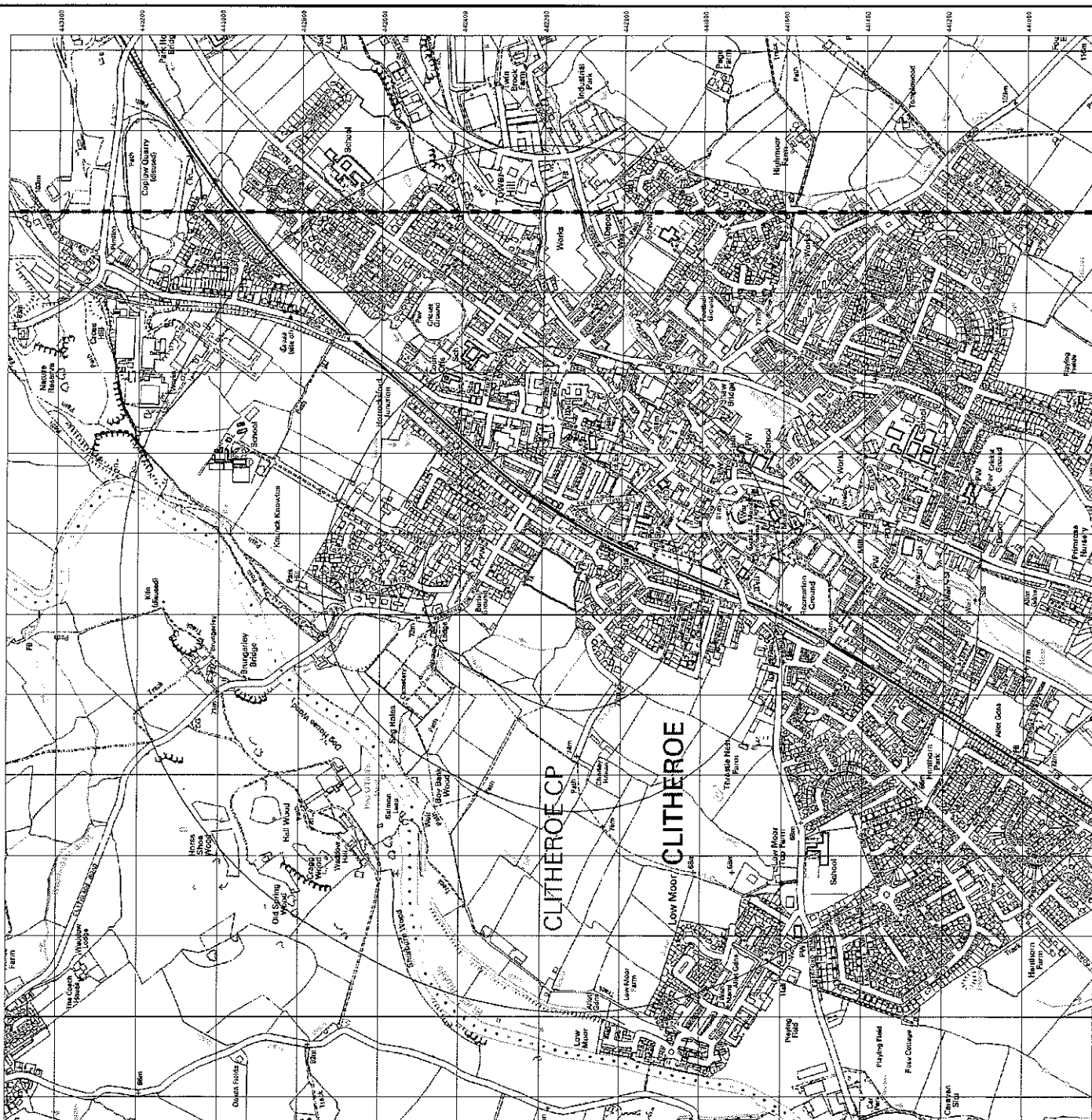
Order Number: 35721469_1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Site: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

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10k Raster Mapping

Published 2006

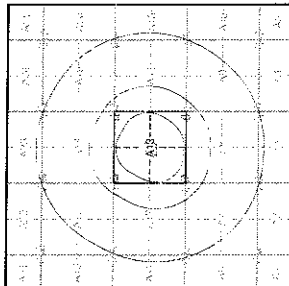
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD74SE	2006	1:10,000
SD74SW	2006	1:10,000

Historical Map - Slice A



Order Details

Order Number: 35721469_1
Customer Ref: 11CHE037
National Grid Reference: 374030, 442170

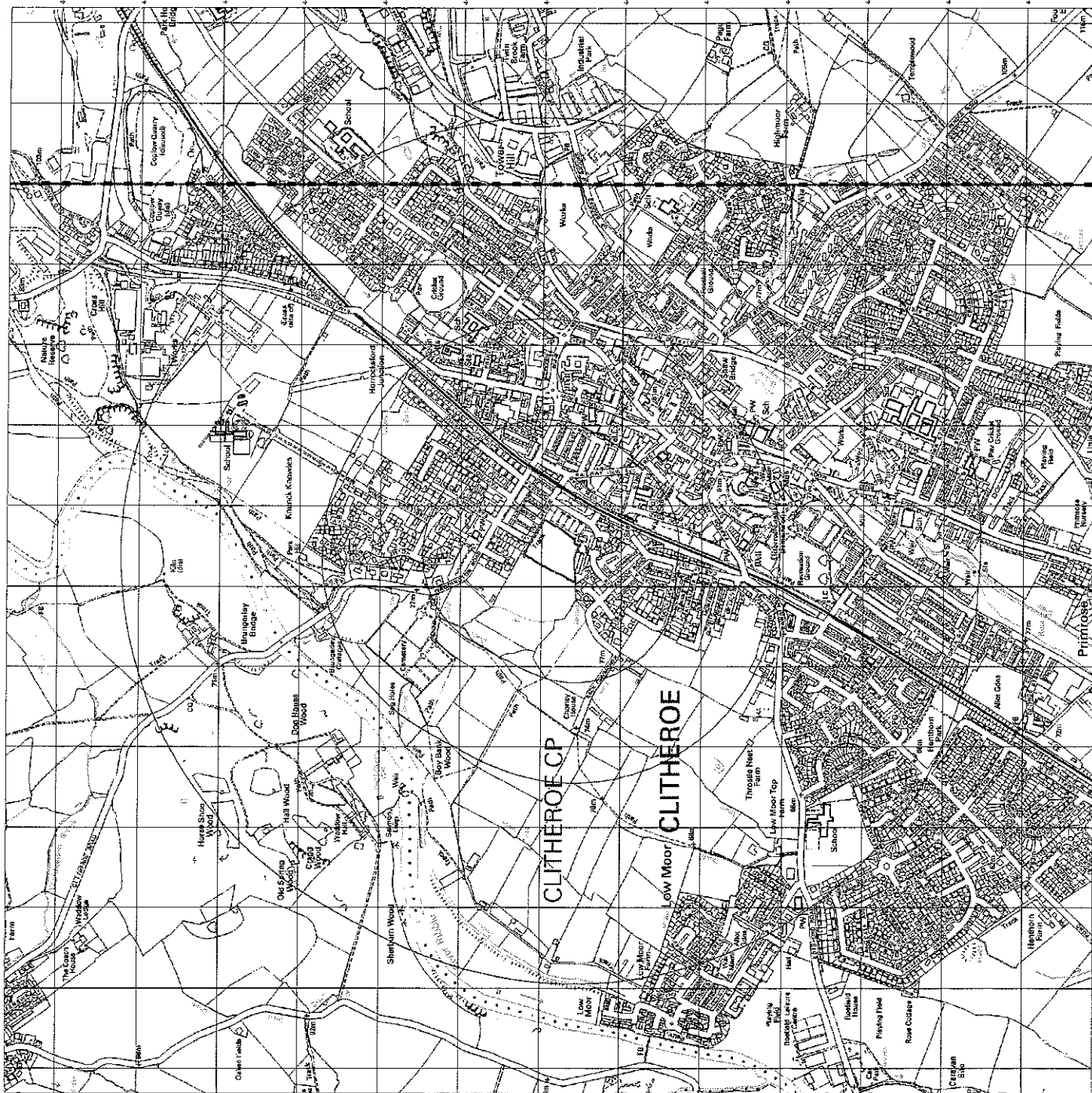
Site Area (Ha): 1.19
Search Buffer (m): 1000

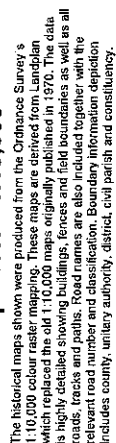
Site Details

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Web: www.landmark.co.uk





SD74SW	SD74SE
2011	2011
1:10.000	1:10.000

The diagram shows a large square with side length 2, centered at the origin of a coordinate system. Inside this square is a circle with radius 1. Inside the circle is a smaller square with side length 1, also centered at the origin. The diagram illustrates the relationship between the side length of the square and the radius of the circle.

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A Landmark Information Group Service v42.0 11-Aug-2011 Page 16 of 15

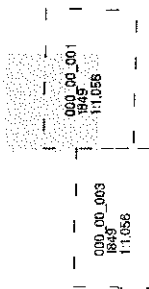
Lancashire And Furness Published 1849

Source map scale - 1:1,056

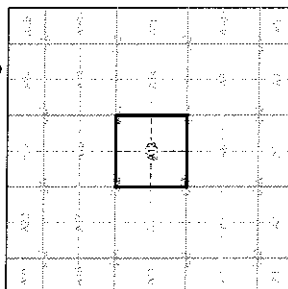
The 1:1056 scale of Ordnance Survey mapping was adopted from 1849 and was used to survey towns with a population of over 4000, plus county towns of lesser population, in those counties mapped at the six-inch scale in 1841-55. The scale was the largest scale at which Lancashire was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1056 scale is broadly similar to that on 1:500; the apparent omission of minor details such as sewer access points and street lighting is due to the fact that a reduction of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



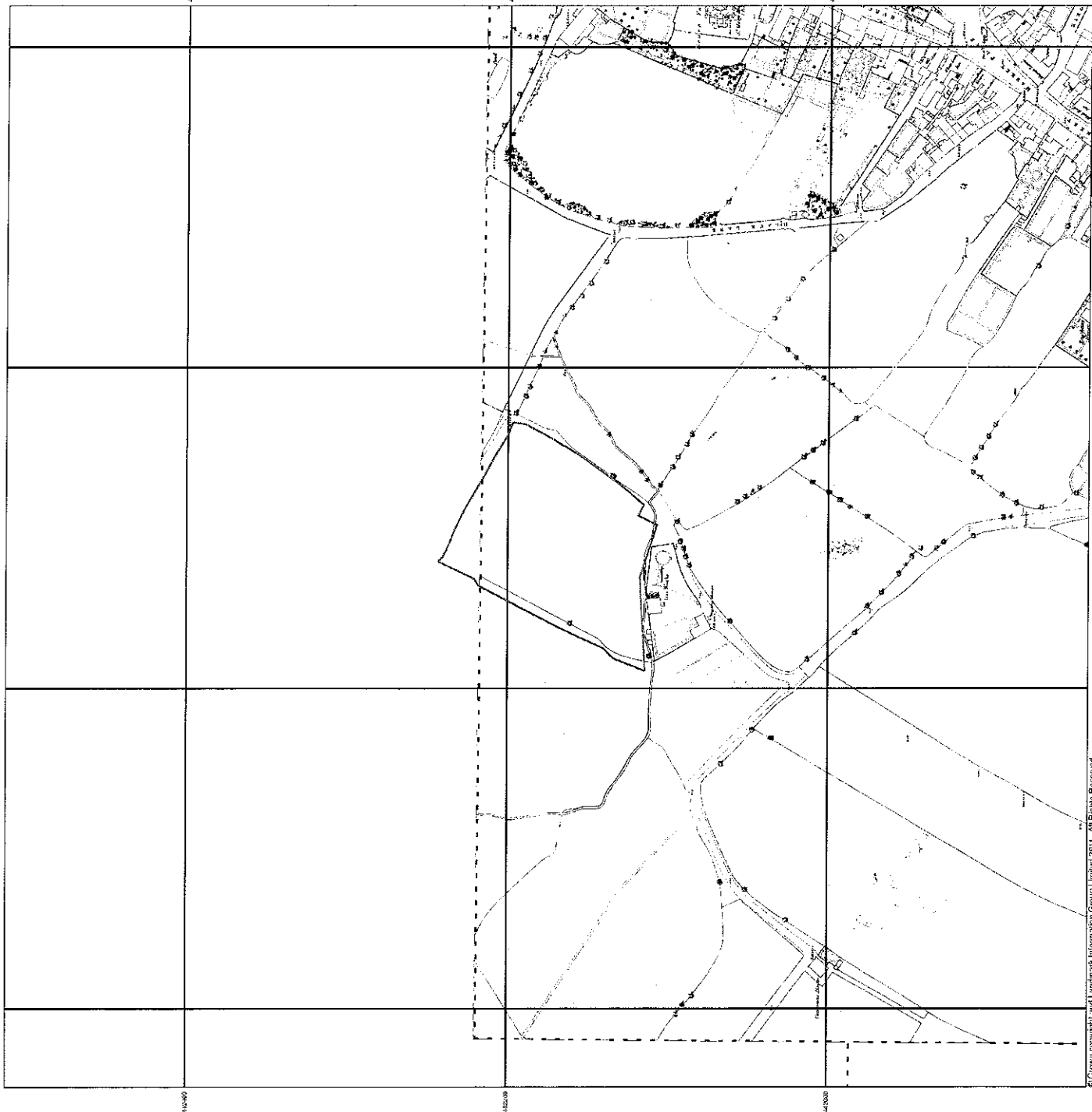
320110892P

Order Details

Order Number: 35721469 1_1
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 0

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



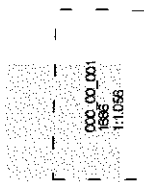
Lancashire And Furness Published 1886

Source map scale - 1:1,056

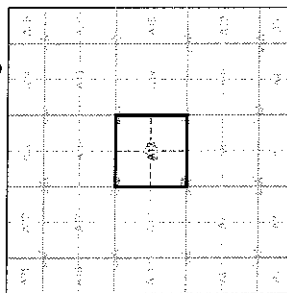
The 1:1,056 scale of Ordnance Survey mapping was adopted from Ireland in 1848 and was used to survey towns with a population of over 1,000, plus county towns of lesser population. In those counties mapped at the 1:1,056 scale in 1841-55, the scale was the largest scale at which London was mapped by the Ordnance Survey and a 'skeleton' survey of the capital, showing little more than streets, street names, frontages and altitudes, was undertaken between 1848 and 1850. The majority of the 1:1,056 surveys were later replaced by 1:500 surveys; although almost all the remainder were revised at this scale, sometimes more than once before 1895. The type of detail shown on the 1:1,056 scale is broadly similar to that on 1:500; the apparent omission of minor details such as sewer access points and street lights may be as much a reflection of the generally earlier date of these plans, as of the specification of the map.

Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)



Historical Town Plan - Segment A13



Order Details

Order Number: 35721469, 1, i
Customer Ref: 11CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 0

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX

320110892P

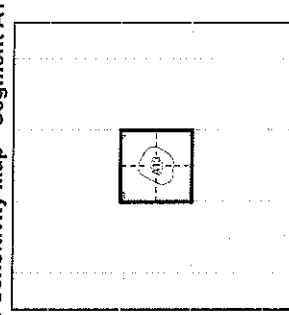
APPENDIX C

- (i) GeolInsight Report
- (ii) EnviroInsight Report

- General**
- △ Specified Site
 - Several of Type at Location
 - Overhead Transmission Line
 - ✕ Bearing Reference Point
 - Map ID
- Agency and Hydrological**
- △ Contaminated Land Register Entry or Notice (Location)
 - △ Contaminated Land Register Entry or Notice (Discharge Current)
 - △ Enforcement or Pollution Notice
 - △ Integrated Pollution Control
 - △ Local Authority Integrated Pollution Prevention and Control
 - △ Local Authority Pollution Prevention and Control
 - △ Local Authority Pollution Prevention and Control
 - △ Pollution Incident to Controlled Waters
 - △ Pollution Relating to Authorised Processes
 - △ Protection Relating to Controlled Waters
 - △ Registered Radioactive Substance
 - △ River Network or Water Feature
 - △ River Quality Sampling Point
 - △ Substantiated Pollution Incident Register
 - △ Water Abstraction
 - △ Water Industry Act Referral
- Waste**
- △ BGS Recorded Landfill Site (Location)
 - △ BGS Recorded Landfill Site
 - △ EA Historic Landfill (Pre-1990)
 - △ EA Historic Landfill (Post-1990)
 - △ Licensed Waste Management Facility
 - △ Local Authority Recorded Landfill Site (Location)
 - △ Local Authority Recorded Landfill Site
 - △ Local Authority Recorded Landfill Site
 - △ Registered Landfill Site
 - △ Registered Landfill Site (Not Refractive to 100m)
 - △ Registered Landfill Site (Not Refractive to 200m)
 - △ Registered Waste Transfer Site (Location)
 - △ Registered Waste Transfer Site
 - △ Registered Waste Treatment or Disposal Site
 - △ Registered Waste Treatment or Disposal Site
- Hazardous Substances**
- △ COMAH Site
 - △ Explosive Site
 - △ Herts Site
 - △ Planning Hazardous Substance Consent
 - △ Planning Hazardous Substance Enforcement
- Geological**
- △ BGS Recorded Mineral Site
- Industrial Land Use**
- △ Contemporary Trade Directory Entry
 - △ Fuel Station Entry

320110892P

Site Sensitivity Map - Segment A13



Order Details

Order Number: 35721469 1.1
 Customer Ref: 11CHE037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Plot Buffer (m): 100

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX

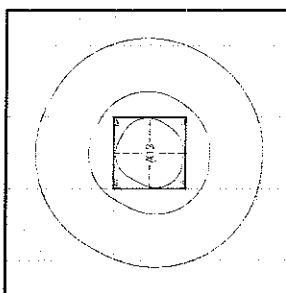
- General**
- △ Specified Site
 - △ Specified Buffer (s)
 - X Issuing Organisation
 - Map ID
 - Style of Type of Location
- Agency and Hydrological (Boreholes)**
- BGS Borehole Depth 0 - 10m
 - BGS Borehole Depth 10 - 30m
 - BGS Borehole Depth 30m +
 - Confidential
 - Other

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

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

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Borehole Map - Slice A

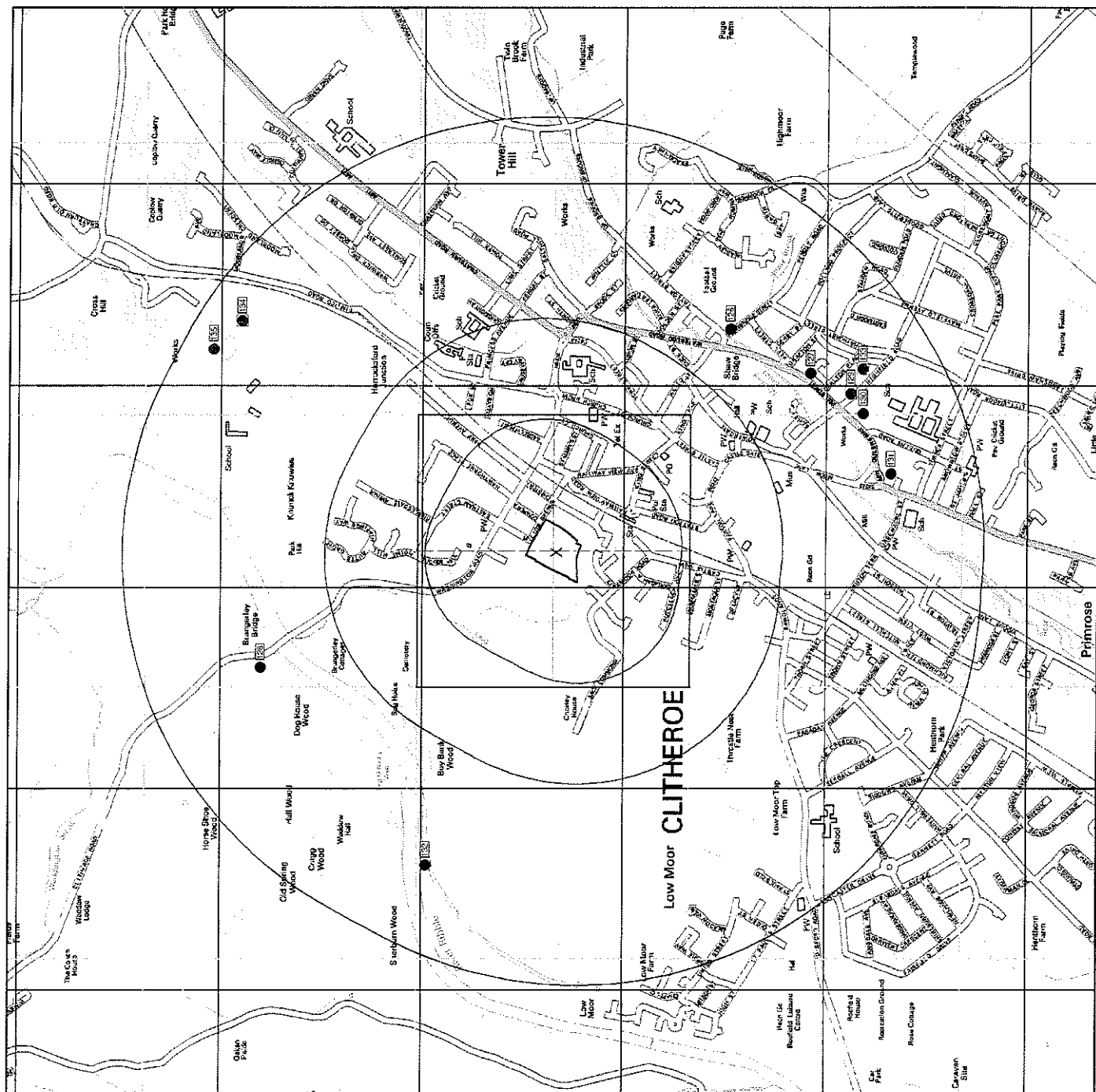


Order Details

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 Customer Ref: 11CHE037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Search Buffer (m): 1000

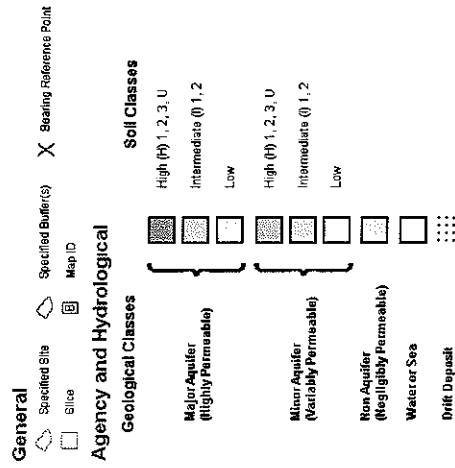
Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX

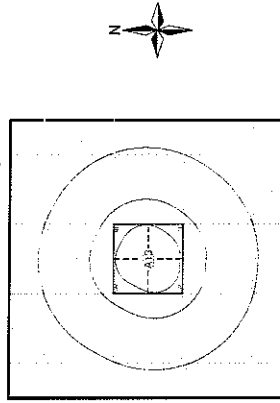




Groundwater Vulnerability



Site Sensitivity Context Map - Slice A



Order Details

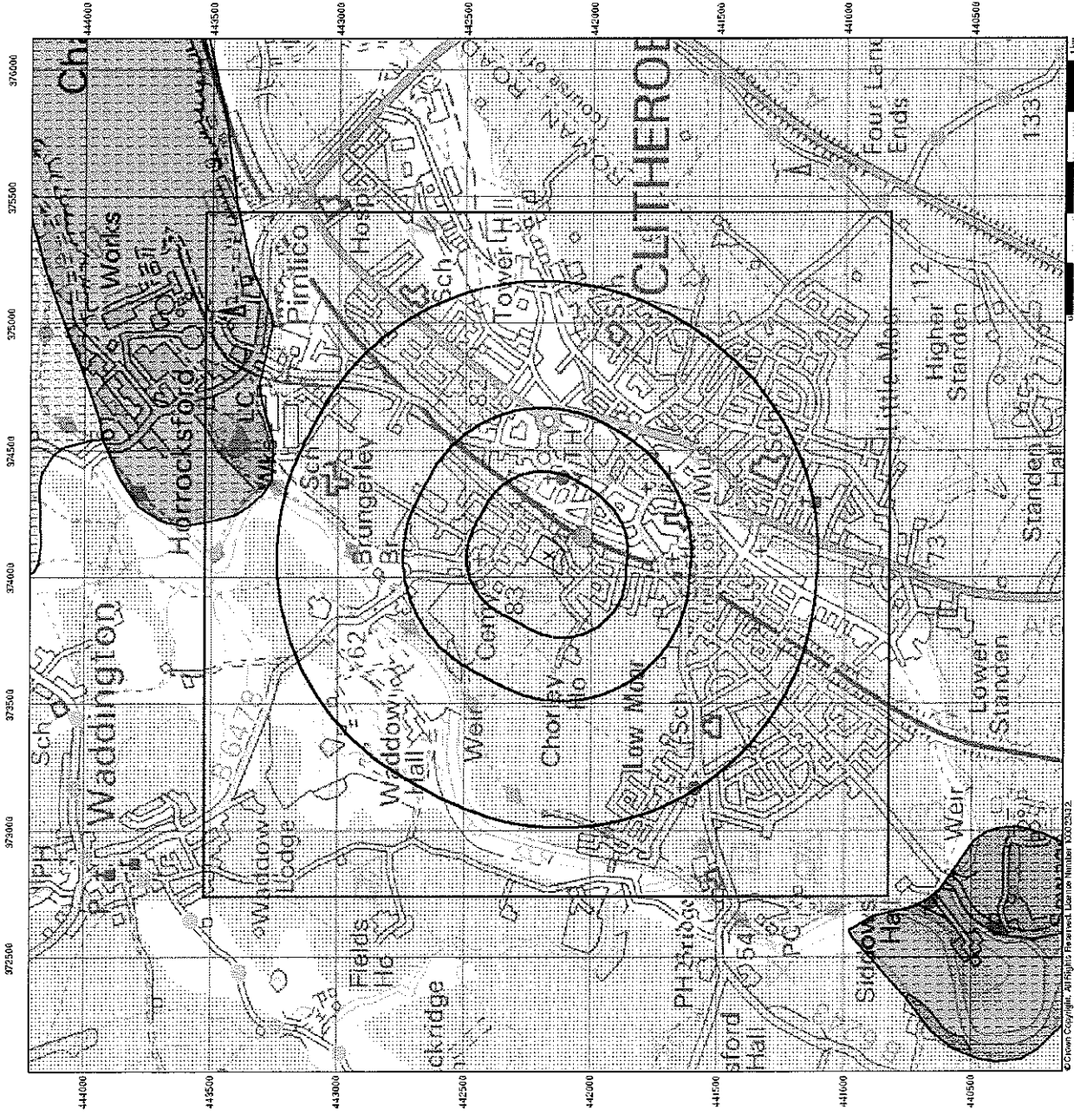
Order Number: 35721469 1.1
 Customer Ref: 11CH037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BS7 2HX



16L
 0844 964 9822
 0844 944 9561
 www.landmark.co.uk



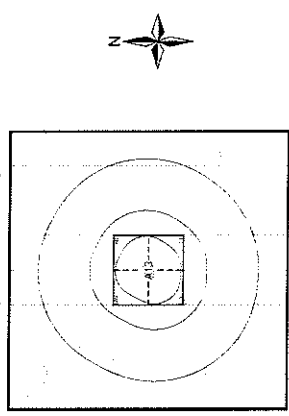
320110892P



Bedrock Aquifer Designation

- General**
- Specified Site
 - Specified Buffer(s)
 - Seaming Reference Point
 - 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

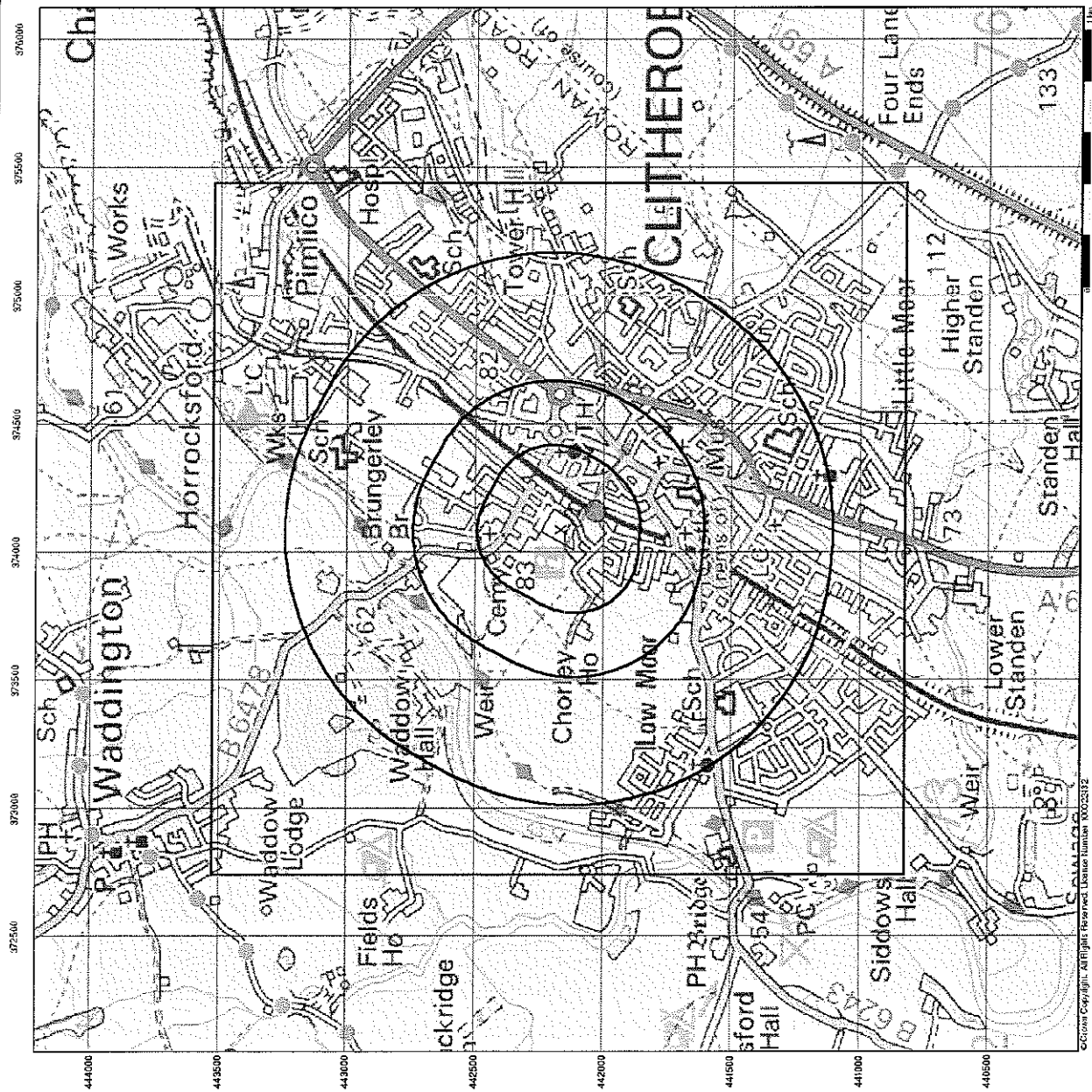
Order Number: 35721469_1_1
 Customer Ref: 17CHC037
 National Grid Reference: 374090, 442170
 Slice Area (Ha): 1.19
 Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



Tel: 0844 844 1997
 Fax: 0844 844 1991
 Web: www.landmark.co.uk





Superficial Aquifer Designation

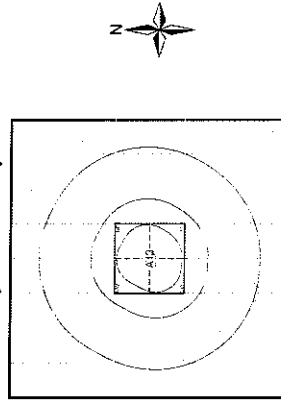
General

- Specified Site
- Specified Buffer
- Special Buffer(s)
- Map ID

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Details
 Order Number: 35721469_1_1
 Customer Ref: 11CHE037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Search Buffer (m): 1000

Site Details

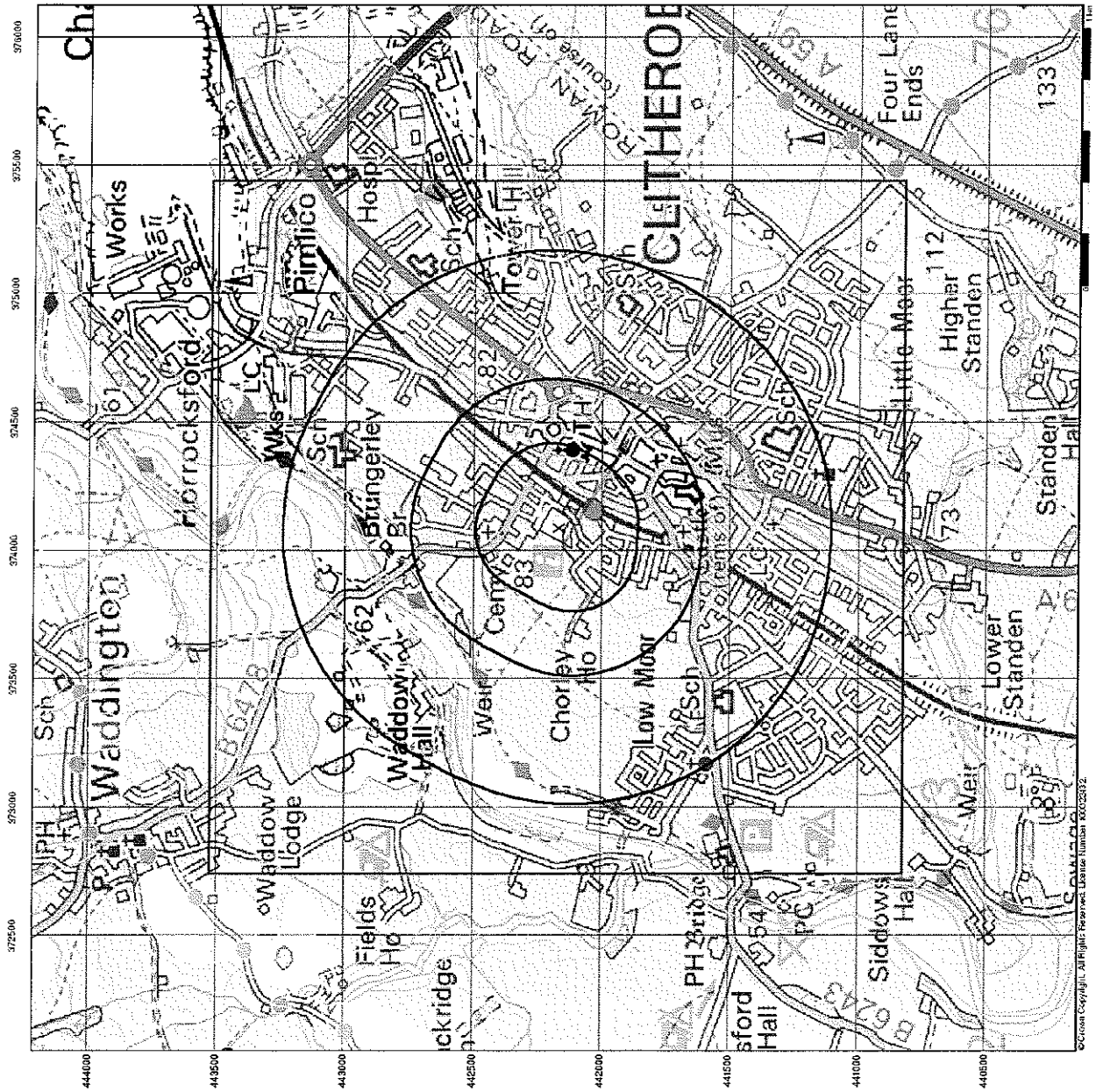
1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



Tel: 0544 844 9952
Fax: 0544 844 9951
Web: www.clinicalnutrition.co.uk

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Page 3 of 5

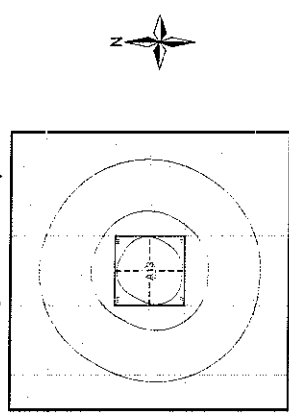




Source Protection Zones

- General**
- Specified Site
 - Specified Buffer(s)
 - Bearing Reference Point
 - Map ID
- Agency and Hydrological**
- Source Protection Zone I
 - Source Protection Zone II
 - Source Protection Zone III
 - Zone of Special Interest
 - Source Protection Zone Boundary

Site Sensitivity Context Map - Slice A



Order Details

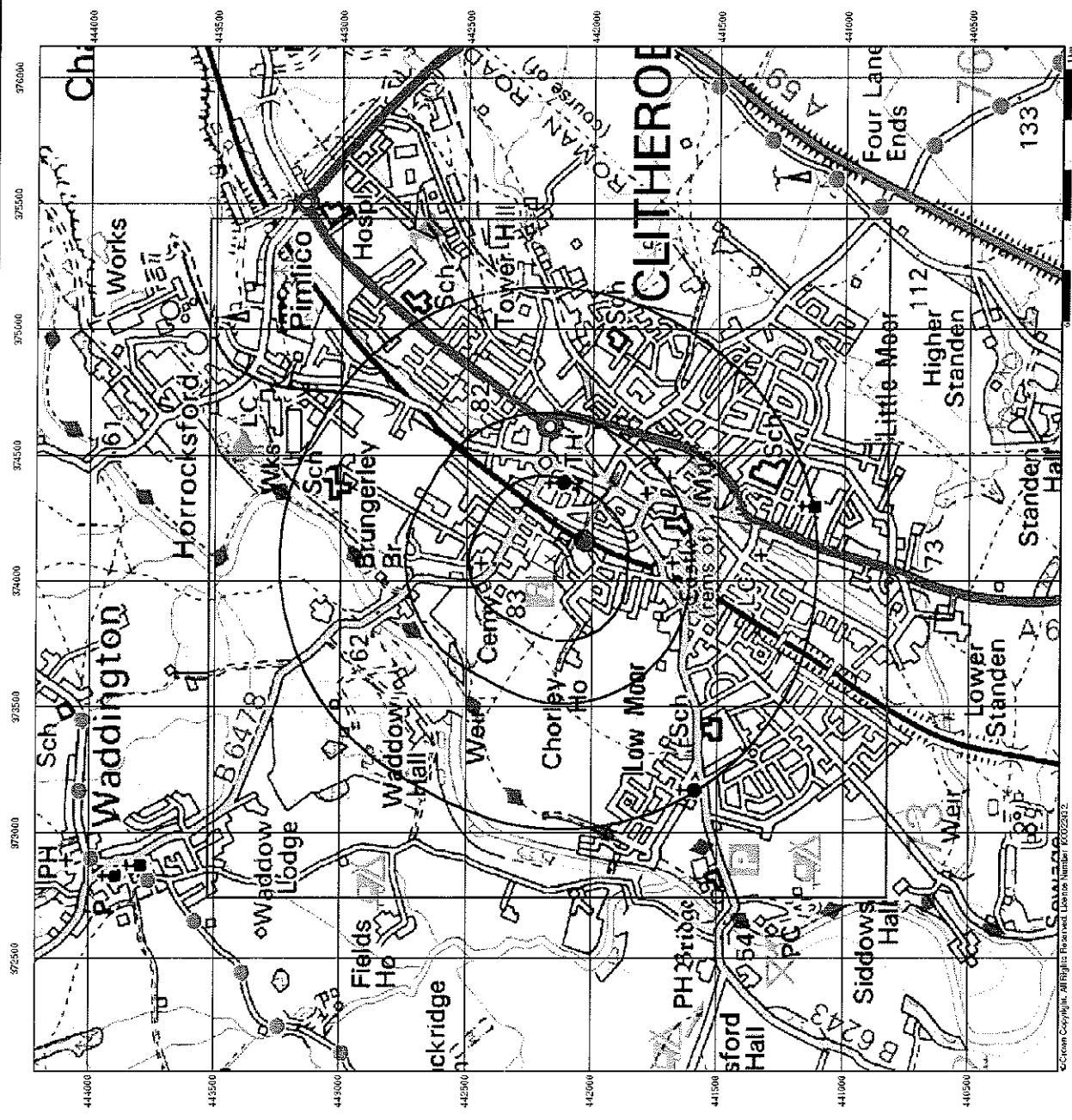
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Customer Ref: TCH037
National Grid Reference: 374090, 442170
Slice Area (Ha): 1.19
Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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084 844 8661
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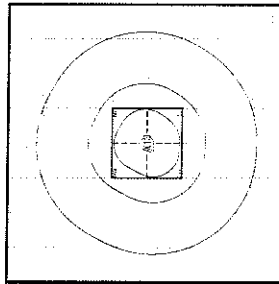




Sensitive Land Uses

- General**
- Specified Site
 - Specified Buffer(s)
 - Boaring Reference Point
 - Map ID
- Sensitive Land Uses**
- Area of Adopted Green Belt
 - Area of Unadopted Green Belt
 - Area of Outstanding Natural Beauty
 - Environmentally Sensitive Area
 - Forest Park
 - Local Nature Reserve
 - Marine Nature Reserve
 - National Park
 - Nitrates Sensitive Area
 - Nitrates Vulnerable Zone
 - Ramsar Site
 - Site of Special Scientific Interest
 - Special Area of Conservation
 - Special Protection Area
 - National Nature Reserve

Site Sensitivity Context Map - Slice A



Order Details

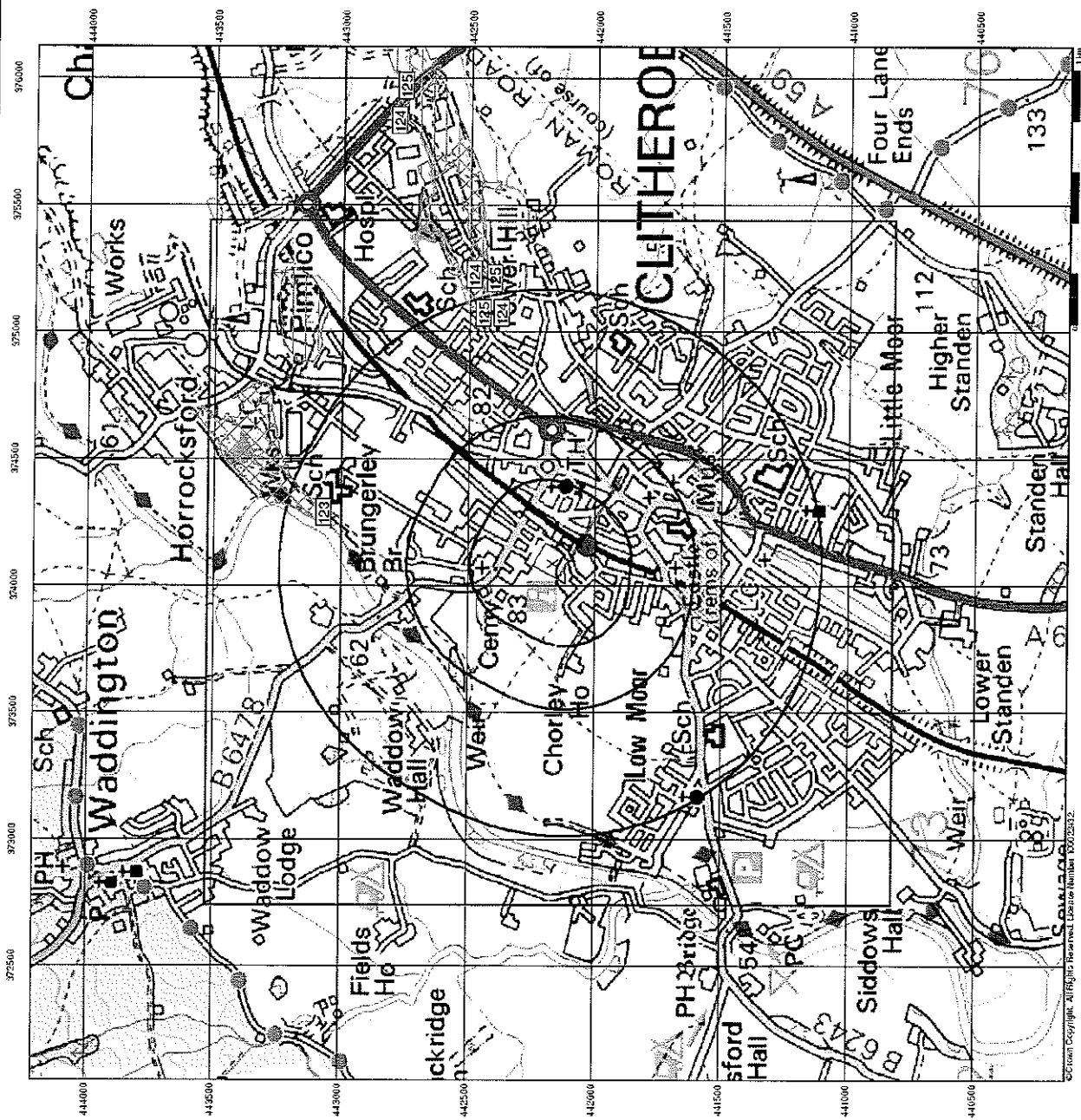
Order Number: 3572469_1_1
 Customer Ref: 11CHE037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Search Buffer (m): 1000

Site Details

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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 0844 844 9861
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Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flintian - Flintian
	TILLD	Till, Devensian	Diamicton	Devensian - Devensian
	HMGDD	Hummocky (Moundy) Glacial Deposits, Devensian	Diamicton	Devensian - Devensian
	GLDD	Glaciolacustrine Deposits, Devensian	Clay and Silt	Devensian - Devensian
	RTD2	River Terrace Deposits, 2	Sand and Gravel	Quaternary - Quaternary
	RTD1	River Terrace Deposits, 1	Sand and Gravel	Quaternary - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	PRMT	Permian Rocks and Triassic Rocks (Undifferentiated)	Sandstone and Mudstone	Triassic - Permian
	CLHOM	Clitheroe Limestone Formation and Hoddler Mudstone Formation (Undifferentiated)	Mudstone	Holkenan - Chadian
	CLLK	Clitheroe Limestone Formation (Knoll-Reef)	Limestone	Chadian - Chadian
	PQL	Peach Quarry Limestone Member	Limestone	Chadian - Chadian
	CHL	Chalburn Limestone Formation	Limestone	Chadian - Courcoyan
	/	Faults		



Geology 1:50,000 Maps

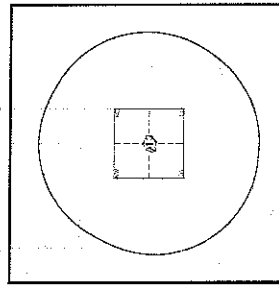
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published 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 Sheet No:	168
Map Name:	Clitheroe
Map Date:	1975
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Deposits:	Not Available
Landslip:	Available
Rock Segments:	Available

Geology 1:50,000 Maps - Slice A



Order Details:

Order Number: 35721469 1.1
 Customer Reference: 11C/HE037
 National Grid Reference: 374090, 442170
 Slice: A
 Site Area (Ha): 1.19
 Search Buffer (m): 1000

Site Details:

1 Milon Avenue, CLITHEROE, Lancashire, BB7 2HX



Tel: 0544 844 9922
 Fax: 0544 844 9951
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320110892P

Artificial Ground and Landslip

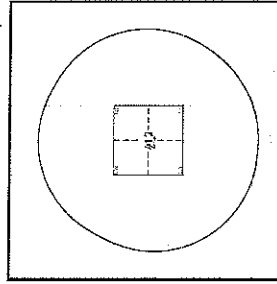
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions 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.
- Infilled 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 founded strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



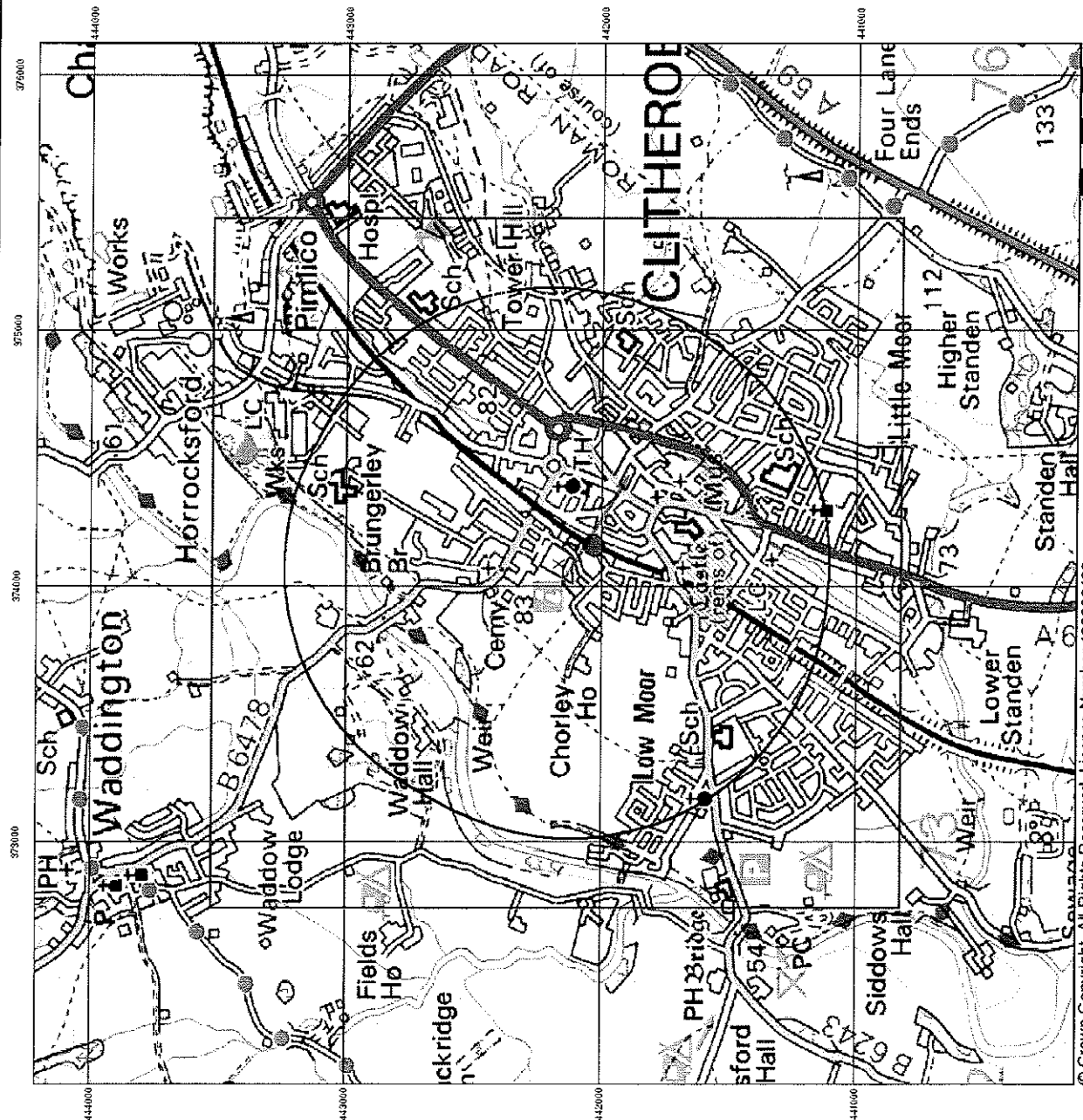
320110892P

Order Details:

Order Number: 35721489_1
Customer Reference: 11CHE037
National Grid Reference: 374080, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details:

1 Millon Avenue, CLITHEROE, Lancashire, B57 2HX





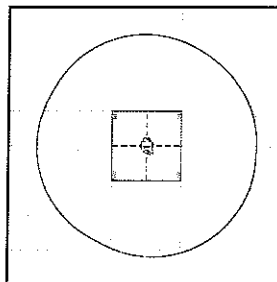
Superficial Geology

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:

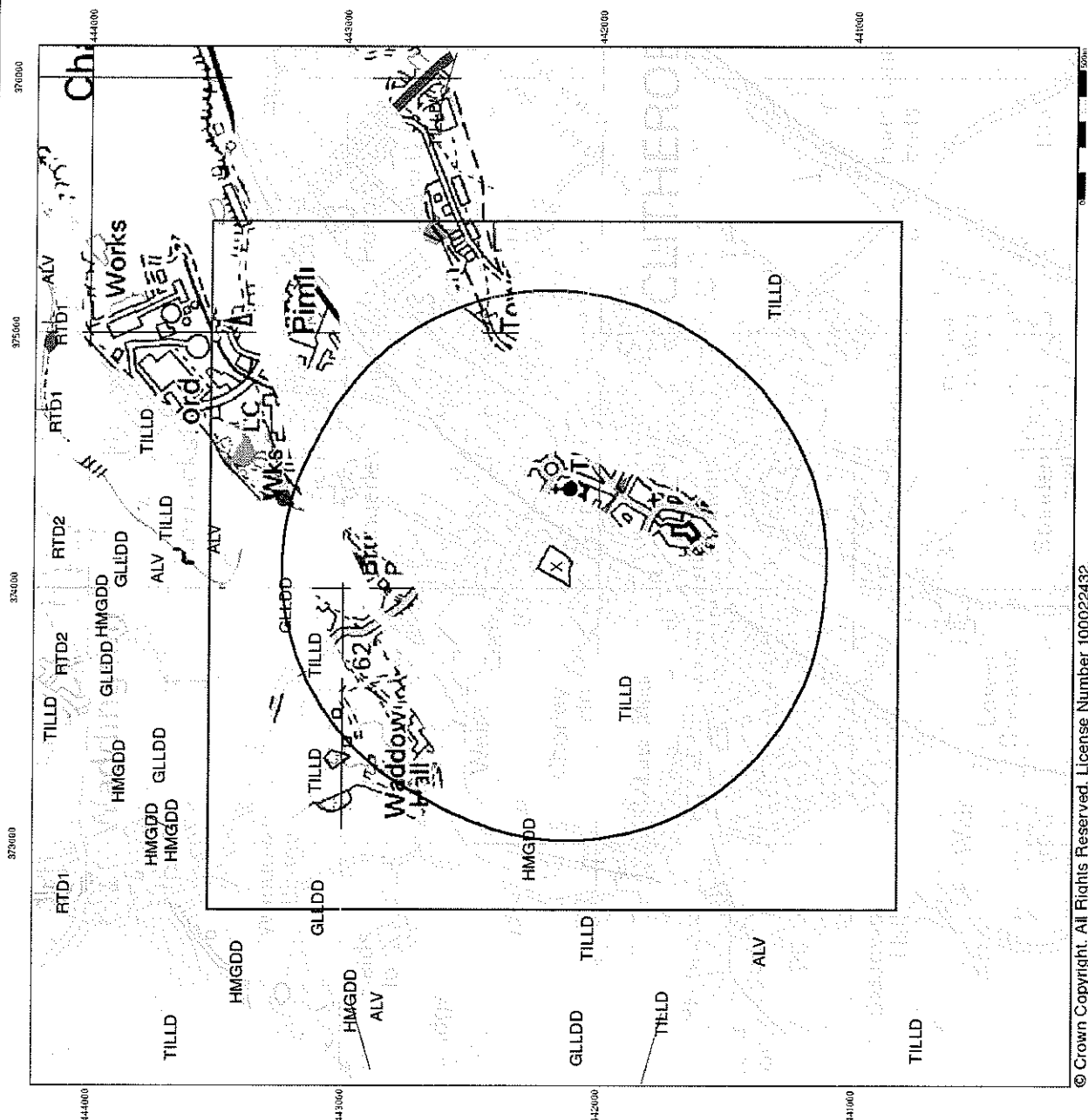
Order Number: 35721469_1_1
Customer Reference: 1CHE037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details:

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX



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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.

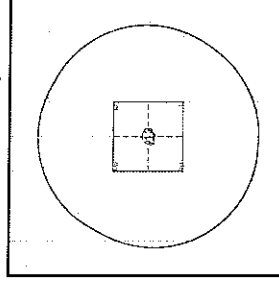
The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

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.

320110892P

Bedrock and Faults Map - Slice A

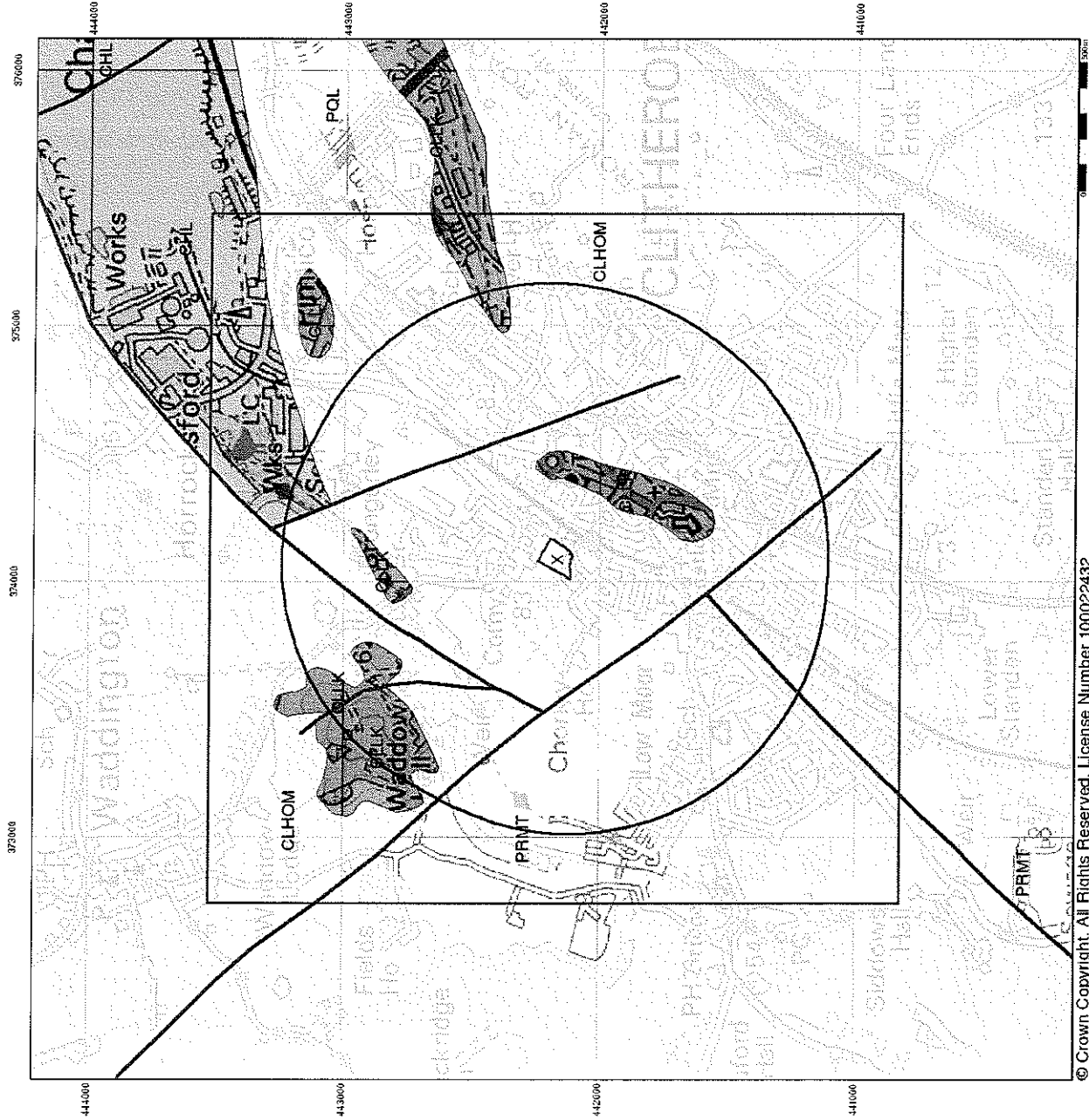


Order Details:

Order Number: 35721469_1_1
Customer Reference: 11CH2037
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details:

1 Millon Avenue, CLITHEROE, Lancashire, BB7 2HX



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.

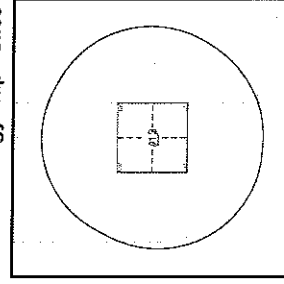
Additional Information

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

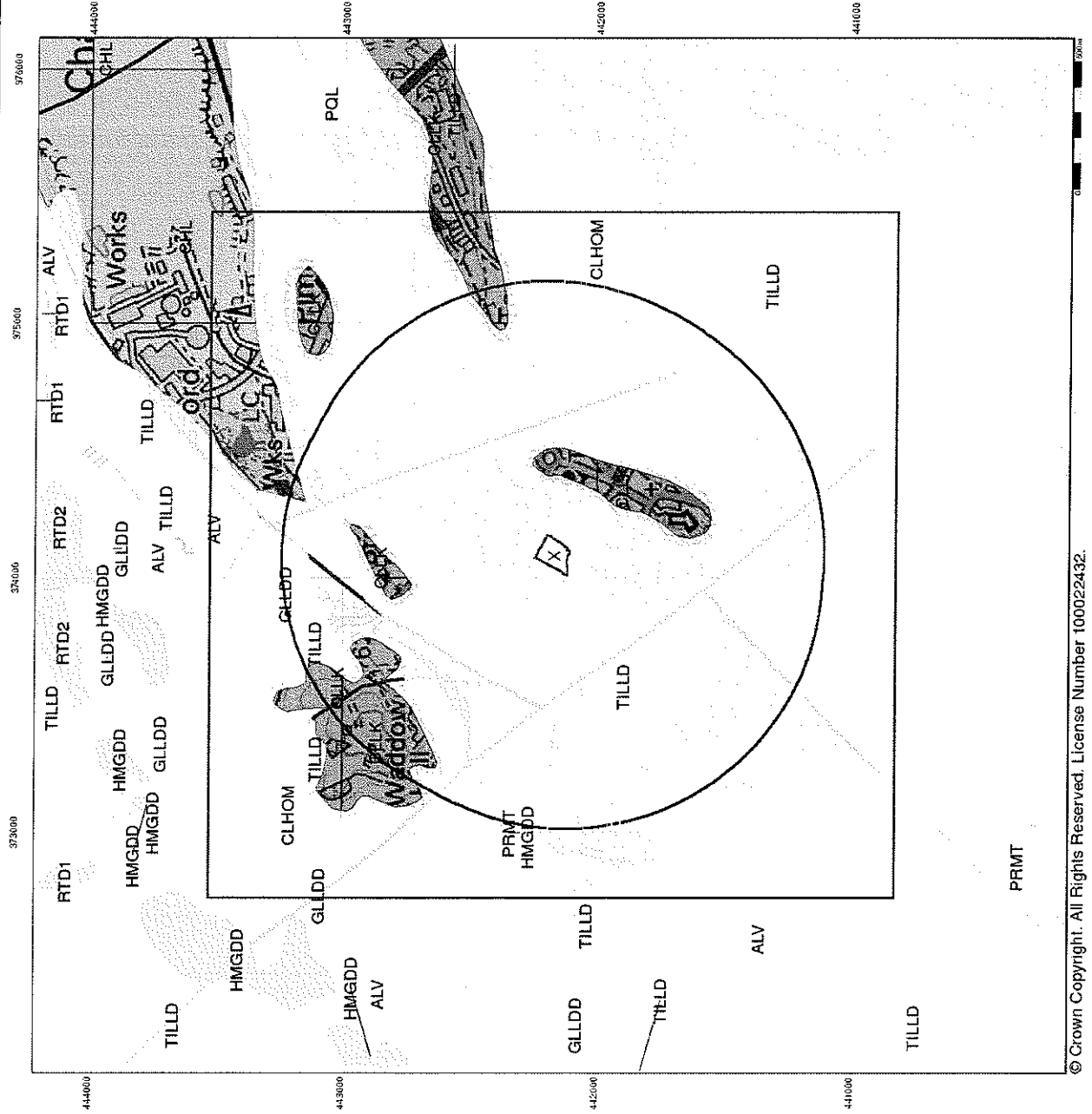


Order Details:

Order Number: 35721469_1_1
Customer Reference: 11CHEB37
National Grid Reference: 374090, 442170
Slice: A
Site Area (Ha): 1.19
Search Buffer (m): 1000

Site Details:

1 Milton Avenue, CLITHEROE, Lancashire, BB7 2HX





Envirocheck® Report:

Datasheet

Order Details:

Order Number:
35721469_1_1
Customer Reference:
11CHE037
National Grid Reference:
374090, 442170
Slice:
A
Site Area (Ha):
1.19
Search Buffer (m):
1000

Site Details:

1 Million Avenue
CLITHEROE
Lancashire
BB7 2HX

Client Details:

Mr M Fawcett
Betts Geo Environmental
Old Marsh Farm Barns
Welsh Road
Sealand
Flintshire
CH5 2LY



Order Number: 35721469_1_1 Date: 11-Aug-2011 rpt_ec_datasheet v47.0 A Landmark Information Group Service



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Report Section	Page Number
Summary	
Agency & Hydrological	1
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Sensitive Land Use	32
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Data Suppliers	37
Useful Contacts	38

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 receptors, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place(s) the site's sensitivity data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and its equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants to 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

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Order Number: 35721469_1_1 Date: 11-Aug-2011 rpt_ec_datasheet v47.0 A Landmark Information Group Service

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			2	3
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 2			5	8
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters	pg 4		3	10	45
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances					
River Quality	pg 13				3
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 14				
Substantiated Pollution Incident Register	pg 14				
Water Abstractions	pg 15				5 (*10)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 18	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 19	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 19	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 Benefitting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 20				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Localities)					
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS Recorded Mineral Sites	pg 21			1	3
BGS 1:625 000 Solid Geology	pg 21	Yes	n/a	n/a	n/a
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 21	Yes		n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 21	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 21	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 22	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 22	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 22	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 22	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 23		4	22	65
Fuel Station Entries	pg 30			2	2

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Areas of Adopted Green Belt					
Areas of Undeveloped Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 32				2
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrates Sensitive Areas					
Nitrates Vulnerable Zones					
Ramsar Sites					
Sites of Special Scientific Interest	pg 32				1
Special Areas of Conservation					
Special Protection Areas					

Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Knock Knowles P's, Adj Park, Clitheroe, Lancashire Authority: Environment Agency, North West Region Catchment Area: 01600070 Permit Version: 2 Effective Date: 14th April 2009 Issued Date: 14th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage- Storm Sewage Overflow Environment: Sewer Receiving Water: S.W. Sewer Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18SW (N)	446	1	373900 442680
2	Discharge Consents Operator: United Utilities Water Plc Property Type: Sewerage Network - Pumping Station - Water Company Location: Knock Knowles P's, Adj Park, Clitheroe, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 016180010 Permit Version: 1 Effective Date: 1st January 1995 Issued Date: Not Supplied Revocation Date: 13th April 2009 Discharge Type: Storm /emergency overflow Sewage Environment: Sewer Receiving Water: S.W. Sewer Status: Post National Rivers Authority Legislation where issue date > 31/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SW (N)	446	1	373900 442680
3	Discharge Consents Operator: Girl Guides Association Property Type: Sewage Disposal Works - Other Location: Girl Guides Association, Clitheroe, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 01615796 Permit Version: 1 Effective Date: 7th October 1971 Issued Date: Not Supplied Revocation Date: 7th October 1971 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Environment: Freshwater Stream/River Receiving Water: River Ribble Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	631	1	373600 442600
4	Discharge Consents Operator: I.C.I. Chemicals & Polymers Ltd Property Type: Sewage Disposal Works Location: Clitheroe Works Pimlico Industrial Area, West Bradford Road, Clitheroe, Lancashire Authority: Environment Agency, North West Region Catchment Area: Not Given Reference: 017190511 Permit Version: 1 Effective Date: 23rd December 1994 Issued Date: 23rd December 1994 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Environment: Freshwater Stream/River Receiving Water: Conduley Beck Status: Post National Rivers Authority Legislation where issue date > 31/09/1989 Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	823	1	374600 442895

320110892P

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Owner: 3m Neotechnic Limited Property Type: Sewage Disposal Works - Other Location: 3m Neotechnic Ltd, Up Brooks, Clitheroe, Lancashire Authority: Environment Agency, North West Region Calibration Area: Mearley Brook Reference: 017190851 Issue Date: 10th January 2000 Renewal Date: 10th January 2000 Discharge Type: Trade Discharges - Cooling Water Discharge: Drain Environment: Mearley Brook (Surface Drain) Nearest Water: Mearley Brook Positional Accuracy: Located by supplier to within 10m	A15NW (E)	965	1	375120 442200
5	Local Authority Pollution Prevention and Controls Name: Johnson Cleaners UK Ltd Location: 38-40 Castle Street, Clitheroe, BB7 2BX Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/032005 Date: 8th December 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG8/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	358	2	374370 441865
6	Local Authority Pollution Prevention and Controls Name: Clitheroe Dry Cleaners Location: 23 Wellgate, Clitheroe, BB7 2dp Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/032005 Date: 8th December 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG8/46 Dry cleaning Status: Permitted Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	406	2	374465 441805
7	Local Authority Pollution Prevention and Controls Name: Ian Bobcock Location: Unit 4 & 5 Albion Court, Watford Road, Clitheroe, Lancashire, BB7 4JY Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/032005 Date: 8th January 2003 Process Type: Local Authority Air Pollution Control Description: PG17/Waste oil burners, less than 0.4MW net rated thermal input Status: Authorised Positional Accuracy: Manually positioned to the address or location	A14SW (E)	475	2	374605 442013
8	Local Authority Pollution Prevention and Controls Name: Harrison & Co Ltd Location: Chelburn Road, Chelburn, Clitheroe, Lancashire, BB7 4JY Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/032005 Date: 14th October 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG17/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A14NW (E)	483	2	374658 442004
8	Local Authority Pollution Prevention and Controls Name: Roundabout Filling Station Location: Roundabout Road, Clitheroe, Lancashire, BB7 2AP Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: PPC 26/05 Date: 31st July 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG17/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A14SW (E)	494	2	374658 442158
9	Local Authority Pollution Prevention and Controls Name: David Ellis & Son Ward Location: The Workshop, Thorn Street Garage, Clitheroe, Lancashire, BB7 1DN Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: Epar/19/96 Date: 13th March 1998 Process Type: Local Authority Air Pollution Control Description: PG17/Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned to the address or location	ARNW (S)	588	2	373872 441554

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Local Authority Pollution Prevention and Controls Name: Bowker Bros Clitheroe Ltd Location: Highfield Works, Sun Street, Clitheroe, Lancashire, BB7 1AL Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/02292 Date: 1st January 1994 Process Type: Local Authority Pollution Control Description: PG6/10 Coating manufacturing Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	666	2	374289 441477
10	Local Authority Pollution Prevention and Controls Name: Bowker Bros Clitheroe Ltd Location: Highfield Works, Sun Street, Clitheroe, Lancashire, BB7 1AL Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/12/93 Date: 1st February 1993 Process Type: Local Authority Air Pollution Control Description: PG6/2 Manufacture of timber and wood-based products Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	660	2	374287 441474
11	Local Authority Pollution Prevention and Controls Name: 3m Neotechnic Ltd Location: Taylor Street, Clitheroe, Lancashire, BB7 1NL Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/032005 Date: 19th January 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG4/1 Processes for the surface treatment of metals Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned to the address or location	A14SE (E)	679	2	374803 441959
12	Local Authority Pollution Prevention and Controls Name: Flexible Reinforcements Ltd Location: Queensway House, Queensway, Clitheroe, Lancashire, BB7 1AU Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/11/92 Date: 1st May 1994 Process Type: Local Authority Air Pollution Control Description: PG6/10 Coating manufacturing Status: Authorisation revoked/Revoked Positional Accuracy: Automatically positioned to the address	A8SE (S)	666	2	374372 441466
13	Local Authority Pollution Prevention and Controls Name: Gee-Co (Precast) Ltd Location: Upbrooks Mill, Taylor Street, Clitheroe, Lancashire, BB7 1NL Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: RVC/PPC/032005 Date: 19th March 2004 Process Type: Local Authority Pollution Prevention and Control Description: PG3/Blending, packing, loading and use of bulk cement Status: Authorisation revoked/Revoked Positional Accuracy: Manually positioned to the address or location	A14SE (E)	791	2	374942 442049
14	Local Authority Pollution Prevention and Controls Name: Tames Control Ltd Location: Bankfield Quarry, Pimlico Link Road, Clitheroe Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: PPC 17 Date: 17th February 2006 Process Type: Local Authority Pollution Prevention and Control Description: PG6/10 Thermal drying and roadstone coating processes Status: Permitted Positional Accuracy: Manually positioned to the address or location	A19NW (NE)	978	2	374612 442067
15	Local Authority Pollution Prevention and Controls Name: Soudaplan Location: Lincoln Way, Clitheroe, BB7 Authority: Ribbles Valley Borough Council, Environmental Health Department Permit Reference: PPC/04/05 Date: 24th June 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the road within the address or location Nearest Surface Water Feature	A15NW (E)	987	2	375155 442315
		A13SW (SW)	48		373964 442109

320110892P

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Cemetery Brook Incident Date: 8th September 1993 Incident Reference: 9334007 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	112	•	373000 442100
16	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Cemetery Brook Incident Date: 8th September 1993 Incident Reference: 9334008 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (W)	113	•	373900 442055
17	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Industrial Effluent Note: Pinlisco Brook Incident Date: 18th January 1993 Incident Reference: 9334001 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	244	•	374300 442400
18	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Cemetery Brook Incident Date: 14th January 1994 Incident Reference: 9434005 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SE (SE)	285	•	374300 441900
19	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (including Agricultural) Note: Pinlisco Brook Incident Date: 8th September 1991 Incident Reference: 9134012 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	350	•	374500 442300
20	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Unknown Note: None Incident Date: 14th January 1994 Incident Reference: 9434011 Catchment Area: Ribble - Non-Tidal Receiving Water: Canal Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	389	•	374500 442395

320110892P

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	Pollution Incidents to Controlled Waters Property Type: Road Location: Unnamed Tributary Of River Ribble, Pinlisco Road Authority: Environment Agency, North West Region Pollutant: Oils - Other Fuel Oil Note: Cemetery Brook Incident Date: 25th April 1998 Incident Reference: CE980433 Catchment Area: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Cause of Incident: Leaking Tank Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	391	•	374500 442400
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Pinlisco Brook Incident Date: 18th October 1993 Incident Reference: 9334009 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	446	•	374600 442395
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Pinlisco Brook Incident Date: 20th August 1992 Incident Reference: 92340095 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	447	•	374600 442300
21	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Waste Oil Note: Pinlisco Brook Incident Date: 14th June 1994 Incident Reference: 94340087 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	450	•	374605 442395
22	Pollution Incidents to Controlled Waters Property Type: Spillage; Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Industrial Effluent Note: Pinlisco Brook Incident Date: 24th June 1992 Incident Reference: 92300076 Catchment Area: Ribble - Non-Tidal Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	484	•	374000 442700
23	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC); Other Location: Pinlisco Bk. Opposite Tesco Authority: Environment Agency, North West Region Pollutant: Sewage Note: Pinlisco Brook Incident Date: 8th September 1997 Incident Reference: 97340093 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	A14SW (E)	475	•	374600 442000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drilling Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Other Sewage Note: Mearley Brook, Sullage Incident Date: 15th October 1995 Incident Reference: 95340122 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Wrong Connection Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SE)	498	•	374500 441800
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Lancashire Authority: Environment Agency, North West Region Pollutant: Unknown Note: Mearley Bk Incident Date: 28th October 1995 Incident Reference: 95340123 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Other Incident/Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SE)	502	•	374500 441795
24	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Mearley Bk, CLITHEROE Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Ribble; Oil Incident Date: 21st August 1997 Incident Reference: 97340113 Cause of Incident: Freshwater Stream/River Receiving Water: Ribble - Non-Tidal Incident Severity: Overflowing During Delivery Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NW (SE)	506	•	374505 441795
25	Pollution Incidents to Controlled Waters Property Type: Not Given Location: St James's School, CLITHEROE Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 8th July 1998 Incident Reference: 97340122 Cause of Incident: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Incident Severity: Unknown Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	507	•	374100 441800
26	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Pesticide/Mearley Bk Note: 12th August 1994 Incident Date: 12th August 1994 Incident Reference: 97340122 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Other Incident/Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	524	•	374800 441895
27	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Mearley Brook; Builders Material Incident Date: 13th March 1991 Incident Reference: 92340023 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	543	•	374700 442100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Mearley Brook Incident Date: 6th May 1998 Incident Reference: 95340049 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Other Incident/Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	567	•	374500 441700
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Oils - Fats And Grease Note: Mearley Brook Incident Date: 10th February 1993 Incident Reference: 95340011 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	588	•	374700 442000
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Mearley Brook Incident Date: 18th July 1994 Incident Reference: 94340109 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Other Incident/Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	570	•	374700 441995
29	Pollution Incidents to Controlled Waters Property Type: Other Location: Oil Mearley Bk Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Mearley Brook Incident Date: 31st July 1997 Incident Reference: 97340081 Cause of Incident: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Incident Severity: In River Works Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	573	•	374705 442000
29	Pollution Incidents to Controlled Waters Property Type: Other Location: Mearley Brook Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Mearley Brook; Oil/Silt Incident Date: 30th July 1997 Incident Reference: 97340080 Cause of Incident: Ribble - Non-Tidal Receiving Water: Freshwater Stream/River Incident Severity: In River Works Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	575	•	374705 441995
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Environment Agency, North West Region Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agricultural) Note: Pesticide Incident Date: 4th March 1992 Incident Reference: 92340023 Cause of Incident: Ribble - Non-Tidal Receiving Water: Not Given Incident Severity: Unknown Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14NW (E)	572	•	374700 442400

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Mealey Brook Incident Date: 5th October 1993 Incident Reference: 93340091 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Unknown Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	AGNW (SE)	577	1	374600 441800
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Adjacent To Shroderidge, Lancashire Authority: Environment Agency, North West Region Pollutant: Crude Sewage Note: Not Supplied Incident Date: 28th August 1999 Incident Reference: 31794 Catchment Area: Not Given Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	AGNW (SE)	578	1	374605 441805
31	Pollution Incidents to Controlled Waters Property Type: Connection To Surface Drains Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Detergents/Surfactant Note: Mealey Brook Incident Date: 11th August 1995 Incident Reference: 95340100 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	AGNW (SE)	580	1	374600 441795
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Middle Class, CLITHEROE Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Mealey Brook Incident Date: 30th January 1997 Incident Reference: 97340018 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	AGNW (SE)	581	1	374605 441800
31	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Unknown Note: Mealey Brook Incident Date: 30th January 1997 Incident Reference: 97340018 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	AGNW (SE)	584	1	374605 441795
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Salts Note: Mealey Brook Incident Date: 4th April 1995 Incident Reference: 95340032 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	A14NW (NE)	612	1	374700 442485

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Inert Suspended Solids Note: Mealey Brook Incident Date: 15th April 1999 Incident Reference: 92340022 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Unknown Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	A14NW (NE)	615	1	374700 442500
33	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Cemetery Beck, BRUNGERLE Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 15th April 1999 Incident Reference: 2137 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	A18SW (NW)	618	1	373600 442795
33	Pollution Incidents to Controlled Waters Property Type: No Premises Identified Location: Cemetery Beck, BRUNGERLE Authority: Environment Agency, North West Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 15th April 1999 Incident Reference: 2137 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	A18SW (NW)	623	1	373600 442800
34	Pollution Incidents to Controlled Waters Property Type: Spillage: Accident - Static Site Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Other Oil Note: Mealey Brook Incident Date: 30th January 1997 Incident Reference: 97340067 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 2 - Significant Incident Located by supplier to within 100m	AGNW (SE)	639	1	374600 441700
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Salts Note: Mealey Brook Incident Date: 15th April 1999 Incident Reference: 95340033 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	AGNW (SE)	644	1	374500 441600
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Vegetation/Cuttings Note: Mealey Brook Incident Date: 15th April 1999 Incident Reference: 92340072 Catchment Area: Ribble - Non-Tidal Cause of Incident: Not Given Incident Severity: Not Given Positional Accuracy: Category 3 - Minor Incident Located by supplier to within 100m	A14SE (E)	664	1	374500 442000

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: River Rubble Note: Incident Date: 30th April 1995 Incident Reference: 95340040 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	675	1	373905 442895
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agriculture) Note: Incident Date: 3rd May 1994 Incident Reference: 95340056 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	676	1	373900 442895
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agriculture) Note: Incident Date: 1st October 1985 Incident Reference: 95340074 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	679	1	373905 442900
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Diesel (Including Agriculture) Note: Incident Date: 28th September 1993 Incident Reference: 95340089 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	681	1	373900 442900
38	Pollution Incidents to Controlled Waters Property Type: Spillage/Accident - Static Silo Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Fire water / Foam Note: Incident Date: 6th August 1996 Incident Reference: 95340063 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	693	1	374300 442900
39	Pollution Incidents to Controlled Waters 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: Incident Date: 29th January 1993 Incident Reference: 95340006 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	709	1	374600 441600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Incident Date: 28th September 1993 Incident Reference: 95340119 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	714	1	373800 442600
41	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Oils - Unknown Note: Incident Date: 1st January 1993 Incident Reference: 95340000 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	ASSE (S)	714	1	374200 441400
41	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Not Given Note: Incident Date: 28th September 1993 Incident Reference: 95340093 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	ASSE (S)	719	1	374200 441385
42	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Miscellaneous - Natural Note: Incident Date: 28th September 1993 Incident Reference: 95340093 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (NW)	719	1	373400 442600
43	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Rubble/Litter Or Solids Note: Incident Date: 28th September 1993 Incident Reference: 95340093 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	760	1	374800 442600
44	Pollution Incidents to Controlled Waters Property Type: Pollution Found Source Not Determined Location: Location Description Not Available Authority: Environment Agency, North West Region Pollutant: Chemicals - Paints / Dyes Note: Incident Date: 28th September 1994 Incident Reference: 95340107 Catchment Area: Rubble - Non-Tidal Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	ASSE (S)	768	1	374400 441400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
53	River Quality Mealey Brook GOA Grade: Not Supplied Reaches: Not Supplied Estimated Distance: 3.9 Flow Rate: Flow less than 1.25 cumecs Flow Type: River Year: 2000 River Quality Chemistry Sampling Points Name: Pinliffe Brook Reaches: Qd At Chatham I.E. To Mealey Brook Estimated Distance: 2.70 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m GOA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1993 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1997 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1995 GOA Grade: Not Supplied Compliance: Not Supplied Year: 1999 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2000 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2000 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2002 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2003 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2004 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2005 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2006 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2007 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2008 GOA Grade: Not Supplied Compliance: Not Supplied Year: 2009 GOA Grade: Not Supplied Compliance: Not Supplied	A14SW (SE)	569	i	37452 441854
54	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, North Area Incident Date: 11th January 2005 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Sewage Wastewater Other: Sewage	A18SW (N)	468	i	372951 442596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
55	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, North Area Incident Date: 24th September 2005 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Crude Sewage	A18SW (N)	561	i	373622 442768
55	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, North Area Incident Date: 27th April 2008 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Contaminated Water, Suspended Solids	A18SW (N)	594	i	373870 442799
56	Substantiated Pollution Incident Register Authority: Environment Agency - North West Region, North Area Incident Date: 29th April 2008 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Pollutant Not Identified, Not Identified	A18SW (SE)	627	i	374606 441726
57	Water Abstractions Operator: Castle Castings Ltd Licence Number: 2671309002 Licence Version: Not Supplied Location: Not Supplied Authority: Environment Agency - North West Region Abstraction Type: Industrial Cooling (Miscellaneous) Source: Not Supplied Daily Rate (m3): 9 Daily Rate (m3): 9 Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m Water Abstractions Operator: Castle Castings Ltd Licence Number: 2671309001 Licence Version: Not Supplied Location: Not Supplied Authority: Environment Agency - North West Region Abstraction Type: Industrial Cooling (Miscellaneous) Source: Not Supplied Daily Rate (m3): 36 Daily Rate (m3): 36 Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (E)	562	i	374606 442005
57	Water Abstractions Operator: Castle Castings Ltd Licence Number: 2671309001 Licence Version: Not Supplied Location: Not Supplied Authority: Environment Agency - North West Region Abstraction Type: Industrial Cooling (Miscellaneous) Source: Not Supplied Daily Rate (m3): 36 Daily Rate (m3): 36 Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14SW (E)	567	i	374700 442005
58	Water Abstractions Operator: Janus Thornton Ltd Licence Number: 2671309025 Licence Version: Not Supplied Location: Not Supplied Authority: Environment Agency - North West Region Abstraction Type: Other Industrial/Commercial/Public Services: General Use (Medium Loss) Source: Not Supplied Daily Rate (m3): 227300 Daily Rate (m3): 227300 Additional Purpose: Cooling; Licence Status: Revoked Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	ABSE (S)	813	i	374200 441300

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Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
Water Abstractions	Operator: Slawfoot Dyeing Co Ltd Licence Number: 2671309032 Permit Version: 100 Location: Pendinon Brk/Ciltheroe Feeding The Mill Pond, Primrose Wks Authority: Environment Agency, North West Region Abstraction: General Agriculture, Transfer Between Regions Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 1000 Yearly Rate (m3): 181640 Details: Land At Primrose Works Ciltheroe. 01 January 1st December Permit Start Date: 1st December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1411	-	374000 440700
	Operator: Slawfoot Dyeing Co Ltd Licence Number: 2671309032 Permit Version: 100 Location: Pendinon Brk/Ciltheroe Feeding The Mill Pond, Primrose Wks 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: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Primrose Works Ciltheroe. 01 January 31 December Permit Start Date: 1st December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1411	-	374000 440700
	Operator: Slawfoot Dyeing Co Ltd Licence Number: 2671309032 Permit Version: 100 Location: Pendinon Brk/Ciltheroe Feeding The Mill Pond Primrose Wks Authority: Environment Agency, North West Region Abstraction: General Agriculture, Transfer Between Regions Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Primrose Works Ciltheroe. 01 January 31 December Permit Start Date: 1st December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1519	-	373900 440600
Water Abstractions	Operator: Slawfoot Dyeing Co Ltd Licence Number: 2671309032 Permit Version: 100 Location: Pendinon Brk/Ciltheroe Feeding The Mill Pond Primrose Wks Authority: Environment Agency, North West Region Abstraction: General Agriculture, Transfer Between Regions Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Primrose Works Ciltheroe. 01 January 31 December Permit Start Date: 1st December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1519	-	373900 440600
	Operator: Slawfoot Dyeing Co Ltd Licence Number: 2671309032 Permit Version: 100 Location: Pendinon Brk/Ciltheroe Feeding The Mill Pond Primrose Wks 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: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land At Primrose Works Ciltheroe. 01 January 31 December Permit Start Date: 1st December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1519	-	373900 440600
	Operator: Slawfoot Dyeing Co Ltd Licence Number: 2671309032 Permit Version: 100 Location: Pendinon Brk/Ciltheroe Feeding The Mill Pond Primrose Wks Authority: Environment Agency, North West Region Abstraction: General Agriculture, Transfer Between Regions Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 0 Yearly Rate (m3): 0 Details: Land At Primrose Works Ciltheroe. 01 January 31 December Permit Start Date: 1st December 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1519	-	373900 440600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tarmac Limited Licence Number: 2671359538 Permit Version: 103 Location: Bankfield Quarry, Clitheroe, Lancs Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bankfield Quarry, Clitheroe, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1587	i	375200 443400
	Water Abstractions Operator: Tarmac Central Ltd Licence Number: 2671359538 Permit Version: 102 Location: Bankfield Quarry, Clitheroe, Lancs Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bankfield Quarry, Clitheroe, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th October 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1587	i	375200 443400
	Water Abstractions Operator: Tarmac Heavy Building Materials UK Ltd Licence Number: 2671359538 Permit Version: 101 Location: Bankfield Quarry, Clitheroe, Lancs Authority: Environment Agency, North West Region Abstraction: Other Industrial/Commercial/Public Services: Dust Suppression Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 818 Yearly Rate (m3): 159113 Details: Bankfield Quarry, Clitheroe, Lancs Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 20th February 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25SW (NE)	1587	i	375200 443400
	Water Abstractions Operator: Clitheroe Auction Mart Company Ltd Licence Number: 2671359553 Permit Version: 100 Location: Bankfield A1 Clitheroe Auction Mart, Clitheroe 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): Not Supplied Yearly Rate (m3): Not Supplied Details: Bankfield A1 Clitheroe Auction Mart, Clitheroe Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th October 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SE (E)	1637	i	375720 442710
	Groundwater Vulnerability 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	A13SW (W)	0	i	374085 442167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Drift Deposits Low permeability drift deposits occurring at the surface and overlying Major and Minor Aquifers are head, clay-with-flints, brickwaste, peat, river terrace deposits and marine and estuarine alluvium Map Sheet: Sheet 10 Central Lancashire Scale: 1:100,000	A13SW (W)	0	i	374085 442167
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	3	374085 442167
	Superficial Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (W)	0	3	374085 442167
	Extensive Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	Historical Landfill Sites Licence Holder: Not Supplied Location: Clitheroe, Ribbles Valley, Lancashire Name: Ashworths Farm Operator: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07235 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste: Deposited Waste Included Inert Waste Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 23000181 BGS Ref: Not Supplied Other Ref: K1733029	A14NW (NE)	505	1	374579 442487
61	Historical Landfill Sites Licence Holder: Not Supplied Location: Low Moor, Clitheroe, Lancashire Name: Ashworths Farm Operator: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD07240 First Input Date: Not Supplied Last Input Date: 31st December 1945 Specified Waste: Not Supplied Type: Not Supplied EA Waste Ref: Not Supplied Regis Ref: Not Supplied WRC Ref: 23000195 BGS Ref: Not Supplied Other Ref: K1703045	A11SE (W)	950	1	373633 442168
	Local Authority Landfill Coverage Name: Ribbles Valley Borough Council - Had landfill data but passed it to the relevant environment agency		0	2	374085 442167
	Local Authority Landfill Coverage Name: Lancashire County Council - Had landfill data but passed it to the relevant environment agency		0	5	374085 442167

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	BGS Recorded Mineral Sites Site Name: Knuck Knowles Location: Clitheroe, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 923323 Type: Open-cast Status: Not Supplied Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Clitheroe Limestone Formation And Hodder Mudstone Formation (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18SW (N)	480	3	374011 442728
63	BGS Recorded Mineral Sites Site Name: Brungarley Location: Waddington, Clitheroe, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 92322 Type: Open-cast Status: Not Supplied Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Clitheroe Limestone Formation And Hodder Mudstone Formation (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18NW (N)	717	3	373919 442911
64	BGS Recorded Mineral Sites Site Name: Brungarley Location: Waddington, Clitheroe, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 92321 Type: Open-cast Status: Not Supplied Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Clitheroe Limestone Formation And Hodder Mudstone Formation (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A18NW (N)	884	3	373935 443095
65	BGS Recorded Mineral Sites Site Name: Tower Hill Location: Clitheroe, Lancashire Source: British Geological Survey, National Geoscience Information Service Reference: 92306 Type: Open-cast Status: Not Supplied Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Carboniferous Geology: Clitheroe Limestone Formation (Krioll Reef) Commodity: Limestone Positional Accuracy: Located by supplier to within 10m	A14NE (E)	919	3	375051 442411
	BGS 1:625,000 Solid Geology Description: Tarncliffe and Vasean (Carboniferous Limestone Series)	A13SW (W)	0	3	374085 442167
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167

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Geological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	207	3	374342 442068
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	235	3	374357 442039
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	207	3	374342 442068
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	235	3	374357 442039
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	207	3	374342 442068
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	235	3	374357 442039
	Radon Potential - Radon Affected Areas 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	A13SW (W)	0	3	374085 442167
	Radon Potential - Radon Protection Measures Protection Measures: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	3	374085 442167

Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	Contemporary Trade Directory Entries Name: T & J Haulage Location: Swan Meadow, Clitheroe, Lancashire, BB7 2BS Classification: Road Haulage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A13SW (SW)	118		373933 442025
67	Contemporary Trade Directory Entries Name: Primrose Dairy Location: Railway View Road, Clitheroe, Lancashire, BB7 2HE Classification: Dairies Status: Active Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (E)	141		374298 442147
68	Contemporary Trade Directory Entries Name: B M Shearer Ltd Location: Railway View Avenue, Clitheroe, Lancashire, BB7 2HA Classification: Garages Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	189		374319 442058
69	Contemporary Trade Directory Entries Name: Locapla Trading Location: Abbey Works Back King St, Clitheroe, Lancashire, BB7 2ET Classification: T-Shirts Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SE (SE)	233		374286 441955
70	Contemporary Trade Directory Entries Name: Hawthorne Trading Location: 27, Hawthorne Place, Clitheroe, Lancashire, BB7 2HU Classification: Food Colouring, Flavouring & Additive Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	278		374313 442432
71	Contemporary Trade Directory Entries Name: The Tyronan Location: 28 Parnall La, Clitheroe, Lancashire, BB7 2JP Classification: Mot Testing Centres Status: Active Positional Accuracy: Manually positioned to the address or location	A8NE (S)	320		374202 441804
72	Contemporary Trade Directory Entries Name: Jm Communications Location: 33 Castle Street, Clitheroe, Lancashire, BB7 2BT Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	343		374333 441852
72	Contemporary Trade Directory Entries Name: Johnson Cleaners (UK) Ltd Location: 40, Castle Street, Clitheroe, Lancashire, BB7 2BX Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	360		374373 441665
73	Contemporary Trade Directory Entries Name: Suppression Devices Location: 8, Castle Street, Clitheroe, Lancashire, BB7 2DL Classification: Electronic Component Manufacturers & Distributors Status: Active Positional Accuracy: Manually positioned to the address or location	A14SW (SE)	390		374491 441974
73	Contemporary Trade Directory Entries Name: Central Garage Location: 10, Castle Street, Clitheroe, Lancashire, BB7 2DW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	430		374514 441936
73	Contemporary Trade Directory Entries Name: The Jenny Press Location: 10, Castle Street, Clitheroe, Lancashire, BB7 2DW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	430		374514 441936
74	Contemporary Trade Directory Entries Name: Clitheroe Dry Cleaners Ltd Location: 23, Wellgate, Clitheroe, Lancashire, BB7 2DP Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	405		374465 441905

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	Contemporary Trade Directory Entries Name: King Lane Garage Location: Unit 1, Wellgate Court, Wellgate, Clitheroe, Lancashire, BB7 2DS Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	409		374440 441989
74	Contemporary Trade Directory Entries Name: Dip Domestic Appliances Ltd Location: 1-3, The Arcade, King Lane, Clitheroe, Lancashire, BB7 1AA Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	409		374430 441986
74	Contemporary Trade Directory Entries Name: M J Cars Sales Location: Wellgate Garage, Wellgate Yard, Wellgate, Clitheroe, Lancashire, BB7 2DP Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	452		374482 441951
75	Contemporary Trade Directory Entries Name: Ribble Valley Ironing Service Location: 2, Causeway Croft, Clitheroe, Lancashire, BB7 2BP Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	425		374587 442249
76	Contemporary Trade Directory Entries Name: Affordable Mobility Location: 40-42, York Street, Clitheroe, Lancashire, BB7 2DL Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	480		374609 442074
76	Contemporary Trade Directory Entries Name: Latest Flames Location: 42, York Street, Clitheroe, Lancashire, BB7 2DL Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	460		374609 442074
76	Contemporary Trade Directory Entries Name: W Southworth & Son Location: 40-42, York Street, Clitheroe, Lancashire, BB7 2DL Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	466		374614 442067
76	Contemporary Trade Directory Entries Name: Parsons Location: Waterloo Road, Clitheroe, Lancashire, BB7 1NS Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	476		374621 442053
77	Contemporary Trade Directory Entries Name: County Motor Group Ltd Location: Unit 5, Albion Court, Waterloo Road, Clitheroe, Lancashire, BB7 1NS Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	475		374607 442016
77	Contemporary Trade Directory Entries Name: Clitheroe Exhaust Centre Location: Unit 1, Albion Court, Waterloo Road, Clitheroe, Lancashire, BB7 1NS Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	479		374600 441951
77	Contemporary Trade Directory Entries Name: Zonal Corp Location: Unit 13, Albion Court, Waterloo Road, Clitheroe, Lancashire, BB7 1NS Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	483		374608 441956
78	Contemporary Trade Directory Entries Name: Tesco Petro Filling Station Location: 37-39, Moor Lane, Clitheroe, Lancashire, BB7 1LP Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	482		374653 441917

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
79	Contemporary Trade Directory Entries Name: Lapped Manufacturing Co Location: Mount Vale, Lowergate, Clitheroe, Lancashire, BB7 1AG Classification: Inactive Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	489		374589 441696
79	Contemporary Trade Directory Entries Name: R F Parker Location: Lowergate Works, Lowergate, Clitheroe, Lancashire, BB7 1AD Classification: Inactive Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	506		374580 441672
79	Contemporary Trade Directory Entries Name: The Ironing Mads Location: 120, Lowergate, Clitheroe, Lancashire, BB7 1AG Classification: Active Status: Active Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	522		374532 441639
80	Contemporary Trade Directory Entries Name: Maple Location: 13, Lowergate, Clitheroe, Lancashire, BB7 1AD Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SE)	493		374518 441831
81	Contemporary Trade Directory Entries Name: Kwik Fit Location: Waterloo Rd, Clitheroe, Lancashire, BB7 1NS Classification: Inactive Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	508		374644 442023
82	Contemporary Trade Directory Entries Name: Evans Car Ltd Location: Park Road, Clitheroe, Lancashire, BB7 2LA Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8NW (SW)	522		373829 441626
83	Contemporary Trade Directory Entries Name: Abbey Group Ltd Location: 10, Park Road, Clitheroe, Lancashire, BB7 1PG Classification: Active Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14SW (E)	524		374689 442167
83	Contemporary Trade Directory Entries Name: Park Garage Location: Park Street, Clitheroe, Lancashire, BB7 1PG Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	531		374697 442188
83	Contemporary Trade Directory Entries Name: L P Harrison Location: North Street, Clitheroe, Lancashire, BB7 1PG Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	554		374719 442205
84	Contemporary Trade Directory Entries Name: Lightworks Location: 122, Lowergate, Clitheroe, Lancashire, BB7 1AG Classification: Active Status: Active Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	526		374327 441632
84	Contemporary Trade Directory Entries Name: Folkewells Location: 2, Lowergate Works, Lowergate, Clitheroe, Lancashire, BB7 1AD Classification: Inactive Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	535		374338 441627
84	Contemporary Trade Directory Entries Name: Best Wishes Location: 37-39, Moor Lane, Clitheroe, Lancashire, BB7 1DE Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	535		374326 441622

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
85	Contemporary Trade Directory Entries Name: Careclean Location: Waterloo Mill, Waterloo Road, Clitheroe, Lancashire, BB7 1LR Classification: Cleaning Materials & Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (E)	545		374651 441945
85	Contemporary Trade Directory Entries Name: Alan Richards Location: Waterloo Road, Clitheroe, Lancashire, BB7 1LR Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	545		374651 441945
85	Contemporary Trade Directory Entries Name: Club Bus Location: River Lea Grins, Clitheroe, Lancashire, BB7 1CQ Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SW (SE)	586		374683 441918
86	Contemporary Trade Directory Entries Name: Primico Location: 88, Pinlinton Road, Clitheroe, Lancashire, BB7 2AH Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NE)	551		374611 442521
87	Contemporary Trade Directory Entries Name: Powerclean Location: Unit 24, Deanfield Court, Link 58 Business Park, CLITHEROE, Lancashire, BB7 1QS Classification: Blast Cleaning Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	593		374480 441662
88	Contemporary Trade Directory Entries Name: As Euronastor Ltd Location: Salford Road, Clitheroe, Lancashire, BB7 1NU Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	586		374751 442183
88	Contemporary Trade Directory Entries Name: Halls Feed Supplies Location: A. 2, Salford Road, Clitheroe, Lancashire, BB7 1NU Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Manually positioned to the address or location	A14SW (E)	587		374749 442140
89	Contemporary Trade Directory Entries Name: Wooddallas Location: The Workshop, 15 Kendal St, Clitheroe, Lancashire, BB7 1PA Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	588		374753 442222
89	Contemporary Trade Directory Entries Name: Kendal Street Garage Location: 13 Kendal St, Clitheroe, Lancashire, BB7 1PA Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A14NW (E)	595		374760 442217
89	Contemporary Trade Directory Entries Name: Paramount Fashions Location: 10-11, Kendal Street, Clitheroe, Lancashire, BB7 1PA Classification: Hats, Belts & Fringes Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	601		374786 442231
89	Contemporary Trade Directory Entries Name: C.S.B. Motor Services Location: Capenhurst, Kendal Street, Clitheroe, Lancashire, BB7 1PA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	609		374773 442226

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
89	Contemporary Trade Directory Entries Name: C.G.W. Garage Services Location: The Work Shop, 15, Kendal Street, Clitheroe, Lancashire, BB7 1PA Classification: Garage Services Status: Active Positional Accuracy: Manually positioned to the address or location	A14NE (E)	615		374780 442219
89	Contemporary Trade Directory Entries Name: Clean & Sparkle Location: 10, Walker Street, Clitheroe, Lancashire, BB7 1NN Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	604		374656 441835
91	Contemporary Trade Directory Entries Name: David Ellis Location: Thorn St, Clitheroe, Lancashire, BB7 2LJ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (S)	605		373835 441536
92	Contemporary Trade Directory Entries Name: County Sales Location: Flat 1, Shawbridge Court, Shaw Bridge Street, Clitheroe, Lancashire, BB7 1LY Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	613		374628 441777
93	Contemporary Trade Directory Entries Name: People Print Ltd Location: 2, Franklin Street, Clitheroe, Lancashire, BB7 1DQ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	638		373904 441486
93	Contemporary Trade Directory Entries Name: D.J.P. Domestic Location: 2, Franklin Street, Clitheroe, Lancashire, BB7 1DQ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	638		373904 441486
94	Contemporary Trade Directory Entries Name: Gary Wilson Location: 1, York Road, Clitheroe, Lancashire, BB7 1BG Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	641		374230 441479
95	Contemporary Trade Directory Entries Name: Brinkside Auto Bodies Location: Brinkside and Units, Taylor St, Clitheroe, Lancashire, BB7 1NL Classification: Car Body Repairs Status: Active Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	697		374745 441892
96	Contemporary Trade Directory Entries Name: Shalborne Cars Location: Unit 11, Highfield Road, Clitheroe, Lancashire, BB7 1AQ Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	659		374442 441543
97	Contemporary Trade Directory Entries Name: The Fire Works Location: Shawbridge Sawmill, Shaw Bridge Street, Clitheroe, Lancashire, BB7 1LY Classification: Sawmills & Manicure Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	661		374612 441680
97	Contemporary Trade Directory Entries Name: Atlas (GB) Ltd Location: Shawbridge Mill, Unit 2 Shaw Bridge St, Clitheroe, Lancashire, BB7 1LY Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	661		374611 441680
97	Contemporary Trade Directory Entries Name: Planet Contracts Location: 2 Peel St, Clitheroe, Lancashire, BB7 1NH Classification: Carpets & Rugs - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	666		374621 441683

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	Contemporary Trade Directory Entries Name: Snow White Location: 46, Eilton Terrace, Clitheroe, Lancashire, BB7 1BQ Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	663		373999 441451
98	Contemporary Trade Directory Entries Name: Lancashire Bulk Location: 46, Eilton Terrace, Clitheroe, Lancashire, BB7 1BQ Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	663		373999 441451
98	Contemporary Trade Directory Entries Name: Silverthorn (UK) Ltd Location: 46, Eilton Terrace, Clitheroe, Lancashire, BB7 1BQ Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	663		373999 441451
99	Contemporary Trade Directory Entries Name: Burder Blinds Ltd Location: Old Co-operative Building, Hanthorn Road, Clitheroe, Lancashire, BB7 2LD Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	719		373723 441456
100	Contemporary Trade Directory Entries Name: Past & Present Location: 22, Whalley Road, Clitheroe, Lancashire, BB7 1AW Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	735		374234 441384
100	Contemporary Trade Directory Entries Name: John's Stores Location: 22, Whalley Road, Clitheroe, Lancashire, BB7 1AW Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	743		374232 441375
101	Contemporary Trade Directory Entries Name: Thorner, Home & Leisure Ltd Location: 22, Whalley Road, Clitheroe, Lancashire, BB7 1EB Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	749		374128 441359
102	Contemporary Trade Directory Entries Name: J & M Timber Supplies Ltd Location: Upbrooks Sawmill, Taylor Street, Clitheroe, Lancashire, BB7 1NL Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	753		374699 442027
103	Contemporary Trade Directory Entries Name: Diesel Doctor Location: Unit 3, Mitchell St, Clitheroe, Lancashire, BB7 1DF Classification: Active Status: Active Positional Accuracy: Manually positioned to the road within the address or location	A8SW (S)	758		373995 441386
104	Contemporary Trade Directory Entries Name: M J Hughes Location: Jubilee Mill, Taylor Street, Clitheroe, Lancashire, BB7 1NL Classification: Inactive Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	759		374675 441385
105	Contemporary Trade Directory Entries Name: John Salfield Location: 5, Wilson Street, Clitheroe, Lancashire, BB7 1BH Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	763		374029 441346
106	Contemporary Trade Directory Entries Name: Greasbro Garage Location: Greasbro Street, Clitheroe, Lancashire, BB7 1ED Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	767		374197 441347

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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	Contemporary Trade Directory Entries Name: Domestic Location: 27, West View, Clitheroe, Lancashire, BB7 1DG Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	772		373967 441344
108	Contemporary Trade Directory Entries Name: Pressed To Impress Location: 28, Seadall Avenue, Clitheroe, Lancashire, BB7 2LR Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	769		373538 441463
109	Contemporary Trade Directory Entries Name: Castle Classic Fireplaces Location: Upbrooks Mill, Taylor Street, Clitheroe, Lancashire, BB7 1NL Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	832		374973 441995
109	Contemporary Trade Directory Entries Name: Geo-Co (Preston) Ltd Location: Upbrooks Mill, Taylor Street, Clitheroe, Lancashire, BB7 1NL Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	832		374973 441995
109	Contemporary Trade Directory Entries Name: M J Hughes Ltd Location: Unit 2, Brookside Industrial Units, Taylor Street, Clitheroe, Lancashire, BB7 1NL Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	832		374973 441995
110	Contemporary Trade Directory Entries Name: Capri Cabinet Electrics Ltd Location: 46-47, Whalley Road, Clitheroe, Lancashire, BB7 1EE Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	835		373239 441284
110	Contemporary Trade Directory Entries Name: Easy Wash Location: 68-70, Whalley Road, Clitheroe, Lancashire, BB7 1EE Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	867		374200 441256
111	Contemporary Trade Directory Entries Name: Hargreaves & Coates Ltd Location: Lowfield Top, Edgford Road, Clitheroe, Lancashire, BB7 2LT Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	839		373346 441604
112	Contemporary Trade Directory Entries Name: J. Hird & Sons Ltd Location: 5, The Old Rectory, Litherrope, Lancashire, BB7 2BQ Classification: Inactive Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	864		374854 442718
112	Contemporary Trade Directory Entries Name: Michael Hird & Co Ltd Location: 5, The Old Rectory, Litherrope, Lancashire, BB7 2BQ Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	864		374854 442718
113	Contemporary Trade Directory Entries Name: Spirello Ltd Location: 1, The Old Rectory, Litherrope, Lancashire, BB7 1QG Classification: Active Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	884		375033 442030

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	Contemporary Trade Directory Entries Name: Vantage Clitheroe Location: Edisford Road, Clitheroe, Lancashire, BB7 2LT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	900		373292 441573
114	Contemporary Trade Directory Entries Name: Vantage Clitheroe Location: Edisford Road, Clitheroe, Lancashire, BB7 2LT Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	900		373292 441573
114	Contemporary Trade Directory Entries Name: Perys Location: Edisford Road, Clitheroe, Lancashire, BB7 2LT Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	900		373292 441573
115	Contemporary Trade Directory Entries Name: E-Jackson Ltd Location: Unit 8/9, Salthill Industrial Estate, Lincoln Way, Clitheroe, Lancashire, BB7 1QD Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	937		375099 442279
115	Contemporary Trade Directory Entries Name: Wangs Fm Location: Unit 8/9, Salthill Industrial Estate, Lincoln Way, Clitheroe, Lancashire, BB7 1QD Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	937		375099 442279
116	Contemporary Trade Directory Entries Name: 3m Healthcare Ltd Location: Up Brooks, Clitheroe, Lancashire, BB7 1NX Classification: Pharmaceutical Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A15SW (E)	959		375114 442664
117	Contemporary Trade Directory Entries Name: County Sales (Great Harwood) Co Ltd Location: Pendle Mill, Pendle Road, Clitheroe, Lancashire, BB7 1UQ Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	974		374809 441549
117	Contemporary Trade Directory Entries Name: County Sales Location: Pendle Mill, Pendle Road, Clitheroe, Lancashire, BB7 1UQ Classification: Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	974		374809 441549
118	Contemporary Trade Directory Entries Name: Intrade Truck Autos Location: Victoria Street Garage, Victoria Street, Clitheroe, Lancashire, BB7 1BL Classification: Type Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A3NW (S)	985		373781 441182
119	Fuel Station Entries Name: Mini Roundabout Location: Clitheroe Road, Clitheroe, Lancashire, BB7 2AP Brand: BP Status: Open Positional Accuracy: Automatically positioned to the address	A14SW (E)	494		374658 442156
120	Fuel Station Entries Name: Low Moor Garage Location: Edisford Road, CLITHEROE, Lancashire, BB7 2LT Brand: Obsolete Status: Not Applicable Positional Accuracy: Approximate location provided by supplier	A7NE (SW)	488		373638 441784

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
121	Fuel Station Entries Name: Greensore Street Garage Location: Greensore Street, CLITHEROE, Lancashire, BB7 1ED Brand: OBSOLETE Status: Not Applicable Positional Accuracy: Approximate location provided by supplier	A8SE (S)	672		374316 441470
122	Fuel Station Entries Name: Vantage Network Q Location: Edisford Road, CLITHEROE, Lancashire, BB7 2LT Brand: OBSOLETE Status: Not Applicable Positional Accuracy: Approximate location provided by supplier	A7NW (SW)	826		373907 441682

Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	Local Nature Reserves Name: Cross Hill Quarry Multiple Areas: 86729.19 Area (m2): Natural England Source: Natural England Designation Date: 1st January 1989	A18NE (N)	854	4	374289 443071
124	Local Nature Reserves Name: Salthill Quarry Multiple Areas: 86707.08 Area (m2): Natural England Source: Natural England Designation Date: 1st January 1989	A14NE (E)	943	4	375075 442445
125	Sites of Special Scientific Interest Name: Salthill & Ballinpark Quarnas Multiple Areas: 176399.21 Area (m2): Natural England Source: Natural England Reference: 1002604 Designation Details: Geological Conservation Review Designation Date: 22nd May 1987 Date Type: Notified Designation Details: Local Nature Reserve Designation Date: 22nd May 1987 Date Type: Notified	A14NE (E)	943	4	375075 442445

Data Currency

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Ribble Valley Borough Council - Environmental Health Department	April 2011	Annual Rolling Update
Hyndburn Borough Council - Environmental Health Department	August 2011	Annual Rolling Update
Pendle Borough Council - Environmental Health Department	November 2010	Annual Rolling Update
Discharge Consents		
Environment Agency - North West Region	April 2011	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - North West Region	July 2011	Quarterly
Integrated Pollution Controls		
Environment Agency - North West Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - North West Region	April 2011	Quarterly
Local Authority Integrated Pollution Prevention And Control		
Ribble Valley Borough Council - Environmental Health Department	December 2010	Annual Rolling Update
Hyndburn Borough Council - Environmental Health Department	January 2011	Annual Rolling Update
Pendle Borough Council - Environmental Health Department	June 2011	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
Ribble Valley Borough Council - Environmental Health Department	December 2010	Annual Rolling Update
Hyndburn Borough Council - Environmental Health Department	January 2011	Annual Rolling Update
Pendle Borough Council - Environmental Health Department	June 2011	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
Ribble Valley Borough Council - Environmental Health Department	December 2010	Annual Rolling Update
Hyndburn Borough Council - Environmental Health Department	January 2011	Annual Rolling Update
Pendle Borough Council - Environmental Health Department	June 2011	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	March 2011	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - North West Region	January 2000	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - North West Region	July 2011	Monthly
Prosecutions Relating to Controlled Waters		
Environment Agency - North West Region	July 2011	Monthly
Registered Radioactive Substances		
Environment Agency - North West Region	April 2011	Quarterly
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	January 2011	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	January 2011	Annually
Substantiated Pollution Incident Register		
Environment Agency - North West Region - Central Area	April 2011	Quarterly
Environment Agency - North West Region - North Area	April 2011	Quarterly
Water Abstractions		
Environment Agency - North West Region	April 2011	Quarterly
Water Industry Act Referrals		
Environment Agency - North West Region	April 2011	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	January 2011	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable

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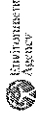
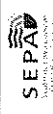
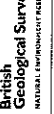
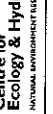
Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations	October 2010	Annually
British Geological Survey - National Geoscience Information Service		
Superficial Aquifer Designations	October 2010	Annually
British Geological Survey - National Geoscience Information Service		
Source Protection Zones	July 2011	Quarterly
Environment Agency - Head Office		
Extreme Flooding from Rivers or Sea without Defences	April 2011	Quarterly
Environment Agency - Head Office		
Flooding from Rivers or Sea without Defences	April 2011	Quarterly
Environment Agency - Head Office		
Areas Benefitting from Flood Defences	April 2011	Quarterly
Environment Agency - Head Office		
Flood Water Storage Areas	April 2011	Quarterly
Environment Agency - Head Office		
Flood Defences	April 2011	Quarterly
Environment Agency - Head Office		
Waste	Version	Update Cycle
BGS Recorded Landfill Sites	June 1996	Not Applicable
British Geological Survey - National Geoscience Information Service		
Historical Landfill Sites	July 2011	Quarterly
Environment Agency - North West Region - Central Area	July 2011	Quarterly
Environment Agency - North West Region - North Area	July 2011	Quarterly
Integrated Pollution Control Registered Waste Sites	October 2008	Not Applicable
Environment Agency - North West Region		
Licensed Waste Management Facilities (Landfill Boundaries)	April 2011	Quarterly
Environment Agency - North West Region - Central Area	April 2011	Quarterly
Environment Agency - North West Region - North Area	April 2011	Quarterly
Licensed Waste Management Facilities (Locations)	April 2011	Quarterly
Environment Agency - North West Region - Central Area	April 2011	Quarterly
Environment Agency - North West Region - North Area	April 2011	Quarterly
Local Authority Landfill Coverage	May 2000	Not Applicable
Hyndburn Borough Council - Environmental Health Department	May 2000	Not Applicable
Lancashire County Council - Waste Management Group	May 2000	Not Applicable
Pendle Borough Council - Environmental Health Department	May 2000	Not Applicable
Ribble Valley Borough Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites	April 2003	Not Applicable
Pendle Borough Council - Environmental Health Department	May 2000	Not Applicable
Hyndburn Borough Council - Environmental Health Department	May 2000	Not Applicable
Lancashire County Council - Waste Management Group	May 2000	Not Applicable
Ribble Valley Borough Council - Environmental Health Department	May 2000	Not Applicable
Registered Landfill Sites	March 2003	Not Applicable
Environment Agency - North West Region - Central Area	March 2003	Not Applicable
Environment Agency - North West Region - North Area	March 2003	Not Applicable
Registered Waste Transfer Sites	March 2003	Not Applicable
Environment Agency - North West Region - Central Area	March 2003	Not Applicable
Environment Agency - North West Region - North Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites	March 2003	Not Applicable
Environment Agency - North West Region - Central Area	March 2003	Not Applicable
Environment Agency - North West Region - North Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)	November 2010	Bi-Annually
Health and Safety Executive		
Explosive Sites	January 2011	Bi-Annually
Health and Safety Executive		
Notification of Installations Handling Hazardous Substances (NIHHS)	November 2000	Not Applicable
Health and Safety Executive		
Planning Hazardous Substance Enforcements	April 2011	Annual Rolling Update
Hyndburn Borough Council - Planning	June 2011	Annual Rolling Update
Ribble Valley Borough Council	March 2011	Annual Rolling Update
Pendle Borough Council - Planning	November 2010	Annual Rolling Update
Lancashire County Council		
Planning Hazardous Substance Consents	April 2011	Annual Rolling Update
Hyndburn Borough Council - Planning	June 2010	Annual Rolling Update
Ribble Valley Borough Council	March 2011	Annual Rolling Update
Pendle Borough Council - Planning	November 2010	Annual Rolling Update
Lancashire County Council		
Geological	Version	Update Cycle
BGS Recorded Mineral Sites	April 2011	Bi-Annually
British Geological Survey - National Geoscience Information Service		
BGS 1:25,000 Solid Geology	August 1996	Not Applicable
British Geological Survey - National Geoscience Information Service		
Brine Compensation Area	November 2002	Not Applicable
Cheshire Brine Subsidence Compensation Board		
Coal Mining Affected Areas	January 2006	As notified
The Coal Authority - Mining Report Service		
Mining Instability	October 2000	Not Applicable
Ore Arup & Partners	February 2011	Not Applicable
Non Coal Mining Areas of Great Britain	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Collapsible Ground Stability Hazards	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Compressible Ground Stability Hazards	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Ground Dissolution Stability Hazards	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Landslide Ground Stability Hazards	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Running Sand Ground Stability Hazards	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Potential for Shrinking or Swelling Clay Ground Stability Hazards	February 2011	Annually
British Geological Survey - National Geoscience Information Service		
Radon Potential - Radon Affected Areas	May 2007	As notified
Radon Potential - National Geoscience Information Service		
Radon Potential - Radon Protection Measures	May 2007	As notified
British Geological Survey - National Geoscience Information Service		

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Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries	May 2011	Quarterly
Fuel Station Entries	May 2011	Quarterly
Catalist Ltd - Experian	May 2011	Quarterly
Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt	May 2011	As notified
Hyndburn Borough Council	May 2011	As notified
Pendle Borough Council	May 2011	As notified
Ribble Valley Borough Council	May 2011	As notified
Areas of Unadopted Green Belt	May 2011	As notified
Hyndburn Borough Council	May 2011	As notified
Pendle Borough Council	May 2011	As notified
Ribble Valley Borough Council	May 2011	As notified
Areas of Outstanding Natural Beauty	April 2011	Bi-Annually
Natural England	October 2010	Annually
Environmentally Sensitive Areas	April 1997	Not Applicable
Natural England	April 2011	Bi-Annually
Forest Parks	September 2010	Bi-Annually
Forestry Commission	April 2011	Bi-Annually
Local Nature Reserves	March 2003	Not Applicable
Natural England	February 2011	Annually
Marine Nature Reserves	April 2011	Bi-Annually
Natural England	April 2011	Bi-Annually
National Nature Reserves	April 2011	Bi-Annually
Natural England	April 2011	Bi-Annually
National Parks	March 2003	Not Applicable
Nitrates Sensitive Areas	February 2011	Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2011	Bi-Annually
Nitrates Vulnerable Zones	April 2011	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	April 2011	Bi-Annually
Ramsar Sites	April 2011	Bi-Annually
Natural England	April 2011	Bi-Annually
Sites of Special Scientific Interest	April 2011	Bi-Annually
Natural England	April 2011	Bi-Annually
Special Areas of Conservation	April 2011	Bi-Annually
Natural England	April 2011	Bi-Annually
Special Protection Areas	April 2011	Bi-Annually
Natural England	April 2011	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	
Centre for Ecology and Hydrology	
Countryside Council for Wales	
Scottish Natural Heritage	
Natural England	
Health Protection Agency	
Ove Arup	
Peter Brett Associates	

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Contact	Name and Address	Contact Details
1	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
2	Ribble Valley Borough Council - Environmental Health Department Council Offices, Church Walk, Clitheroe, Lancashire, BB7 2RA	Telephone: 01200 425111 Fax: 01200 26339 Website: www.ribblevalley.gov.uk
3	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3278 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
4	Natural England Northminster House, Northminster Road, Peterborough, Cambridgeshire, PE1 1UA	Telephone: 0845 600 3078 Fax: 01733 455103 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
5	Lancashire County Council - Waste Management Group Environment Directorate, Guild House, Cross Street, Preston, Lancashire, PR1 8RD	Website: www.lancashire.gov.uk
	Health Protection Agency - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@hpa.org.uk Website: www.hpa.org.uk
	Landmark Information Group Limited The Smith Centre, Henley On Thames, Oxfordshire, RG9 6AB	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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

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APPENDIX D

(i) Conceptual Model

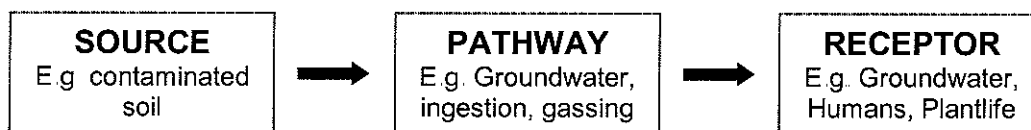
The report aims to identify land which could potentially be affected by contamination, such that it could affect the value or re-use of the land, or such that mitigation would be required for certain proposed end uses of the land

The assessment also aims to identify land which would be regarded as 'contaminated land' under the terms of the Environmental Protection Act 1990, Part IIa. This act includes a stricter test for contaminated land than that outlined above. Land is considered to be contaminated if either: the land is causing significant harm to people, ecosystems or infrastructure; or there is a significant possibility that such harm could be caused; or pollution of controlled waters is being, or is likely to be, caused

The following situations are defined as being where harm is to be regarded as significant: chronic or quite toxic effect, serious injury or death to humans; irreversible or other adverse harm to the ecological system; substantial damage to or failure of buildings; death of, or disease or other physical damage affecting, livestock or crops; pollution of controlled waters.

The risk assessment uses a 'Source-Pathway-Receptor' methodology for assessing whether a source of contamination could potentially lead to harmful consequences. This means that there needs to be a pollutant linkage from source to receptor for harm to be caused, this linkage consisting of: a source of pollution; a pathway for the pollutant to move along; a receptor that is affected by the pollutant

As an example, the pollutant source could be an identified leak of oil or an area of dumped waste



The pathways could include transport of the contaminant by groundwater, surface water, windblown dust, or vapours, and for human receptors will include the means by which contaminants enter the body, for example skin contact, ingestion and inhalation.

Receptors include people, other living organisms, the built environment and groundwater and surface waters (these latter two also being contaminant pathways)

The source-pathway-receptor methodology relationship allows an assessment of the environmental risk to be determined, based on the nature of the source, the degree of exposure of the receptor to the source and the sensitivity of the receptor

This section of the report is based on the information set out in the previous sections of the report and should not be read independently of such sections.

Initial Conceptual Model

From the available information the preliminary conceptual model is visualised as follows:

Target (Receptor)	POTENTIAL SOURCE-PATHWAY LINKAGE
Site users / residents	Inhalation of soil gas, odours or dust.
	Ingestion of, and skin contact with, contaminated soil.
	Ingestion of contaminants in vegetables etc. or in soils adhering to vegetables, etc.
Construction/ maintenance workers.	Inhalation of soil gas, odours or dust
	Ingestion of, and skin contact with, contaminated soil
Plants	Adverse effects on growth caused by presence of contaminants in soil
Buildings and Structures	Flow of ground gas into buildings. Asphyxiation, toxicity, explosion and fire hazards
	Sulphate attack of foundations
	Hydrocarbons penetrating plastic water supply pipes
Groundwater	Migration of soluble contaminants into groundwater on or off site Migration of oils into groundwater on or off site.
Surface water	Migration of soluble contaminants and/or direct run-off of contaminants Migration of oils into groundwater on or off site.

Initial Environmental Risk Assessment

General

It is accepted that an environmental risk assessment can be based on a source-pathway-target model. An examination is carried out as to whether a target will be at risk from a contamination source, that a source exists, and whether there are any pathways (routes of exposure) which might actually link the source to the target.

Environmental risk assessments rely heavily on numerical trigger concentrations or guidelines because exposure of targets to contamination is difficult to quantify directly. Quantification of risk is therefore mainly undertaken for general scenarios in order to derive trigger levels. These are derived for various contaminants for particular targets and routes of exposure. An example of a sensitive target would be users of a domestic back garden, where routes of exposure might be skin contact, dust inhalation, direct ingestion and indirect ingestion via cultivation and consumption of fruit and vegetables.

In March 2002, the first parts of the new CLEA risk assessment guidance were released by DEFRA/Environment Agency.

The risk assessment approach is an extension of the 'fit for use' concept whereby land is cleaned up to a standard fit for the proposed use, that is, so all remaining risks are acceptable. However, as well as being 'fit for use', the environmental risk assessment approach also addresses the soil and water environment so that these are also safeguarded where necessary. For example if a site was contaminated with heavy metals and the development comprised the proposed construction of hard standings and buildings only, the fit-for-use approach might require no remediation for the site. However, consideration of the wider

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environment needs to address whether groundwater is being contaminated, and if so whether remediation is required for this reason

The following classification presented by CIRIA has been used in the assessment of risk:

Estimation of risk from consideration of magnitude, consequences and probabilities				
Probability	Consequences			
	Severe	Moderate	Mild	Minor
High	Very high	High	Moderate	Moderate / Low
Medium	High	Moderate	Moderate / Low	Low
Low	Moderate	Moderate / Low	Low	Very Low
Unlikely	Moderate / Low	Low	Very Low	Very Low

Reference: Contaminated Land Risk Management; A Guide to Good Practice, CIRIA C552:2001

APPENDIX E

(i) Notes on Limitations

The desk study report includes examination and provision of historical maps and an environmental database search covering geology, hydrogeology, historical, land use, water abstractions, groundwater source protection zones, landfill sites, radon, trade directory entries, petrol filling stations and nature reserves for the site and surrounding area. A Coal Authority Report has been obtained as part of the investigation.

This report does not consider ecological impacts (e.g. bats) or botanical risks (e.g. Japanese knotweed). It is recommended that these are considered as part of the assessment of development constraints for the site.

The assessment and judgements given in this report are directed by both the finite data on which they are based and the proposed works to which they are addressed. The data essentially comprised a study of available documented information from various sources together with discussions with relevant authorities and other interested parties. There may also be circumstances at the site that are not documented. The information reviewed is not exhaustive and has been accepted in good faith as providing representative and true data pertaining to site conditions. If additional information becomes available which might impact our environmental conclusions, we request the opportunity to review the information, reassess the potential concerns and modify our opinion if warranted.

It should be noted that any risks identified in this report are perceived risks based on the available information. Actual risks can only be assessed following a physical investigation of the site.

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