REPORT C1185
JANUARY 2006

PRELIMINARY INVESTIGATION
of land off
DODWORTH GREEN ROAD, DODWORTH, BARNSLEY

Prepared for
MR A WILKINSON

PROJECT QUALITY ASSURANCE INFORMATION SHEET

REPORT NUMBER	C1185	**REPORT STATUS**	FINAL
REPORT TYPE	PRELIMINARY INVESTIGATION		
REPORT DATE	JANUARY 2006		
SITE	LAND OFF DODWORTH GREEN ROAD DODWORTH BARNSLEY		
PREPARED FOR	MR A WILKINSON		
PREPARED BY	Sirius Geotechnical and Environmental Ltd Suite 3 Bowcliffe Grange Bowcliffe Hall Estate Bramham Leeds LS23 6LP	Tel 01937 842 744 Fax 01937 842 063	
WRITTEN BY	JOHN McCARTHY BSc(Hons) FGS		
APPROVED BY	SARAH ROBERTS BEng (Hons) MSc		

The above signatories are for and on behalf of Sirius Geotechnical and Environmental Ltd

PRELIMINARY INVESTIGATION

OF LAND OFF

DODWORTH GREEN ROAD,

DODWORTH, BARNSLEY

PREPARED FOR

MR A WILKINSON

CONTENTS

1 0 INTRODUCTION 1
2 0 SITE DESCRIPTION 2
- 2 1 Site Location 2
- 2.2 Site Features 2

3 0 SITE HISTORY 3
4 0 GEOLOGY 4
5 0 MINING AND QUARRYING 5
6 0 HYDROLOGY AND HYDROGEOLOGY 6
7 0 LANDFILL SEARCH 8
8 0 RADON 8
10 0 CONCLUSIONS AND RECOMMENDATIONS 9
- 10 1 Summary of Land Use 9
- 10 2 Mining and Quarrying 9
- 10 3 Contamination 10
- 10 4 Foundations 11
- 10 5 Hazardous Gas 12

11 0 FURTHER WORKS 12

APPENDICES

APPENDIX A DRAWINGS

APPENDIX B ENVIROCHECK REPORT

APPENDIX C CORRESPONDENCE

1 0 INTRODUCTION

Sirius Geotechnical and Environmental Ltd (Sirius) were commissioned by John R Paley Associates on behalf of Mr A Wilkinson to undertake a Preliminary Investigation (desk study) of land off Dodworth Green Road Dodworth Barnsley

It is understood that Mr A Wilkinson proposes to redevelop the site which comprises a number of detached houses out buildings and fields with residential properties No detailed plans of the proposed development were available at the time of writing

The objectives of this investigation were as follows

- To determine the land use history of the site from an inspection of available historical Ordnance Survey (OS) plans
- To determine the environmental setting of the site
- To determine whether past mining has an influence on the site
- To determine whether the site had previously been used for any purpose that may have given rise to significant ground contamination
- To determine the potential risk to the site from hazardous gas and
- *To provide recommendations for intrusive works required to determine the ground* conditions below the site the nature and degree of any contamination and foundation solutions

As part of the desk study information was sourced from the Landmark Information Group (Envirocheck Report) the British Geological Survey the Coal Authority and Barnsley Metropolitan Borough Council (MBC) A site inspection (walk over survey) was also carried out

This report presents the factual information derived during this investigation and makes recommendations relating to the scope of intrusive works required to determine foundation solutions and the extent and nature of any ground contamination

This report is based on the data obtained from the preliminary investigation it is limited to that data and responsibility cannot be accepted for conditions not revealed by the investigation Any diagram or opinion of the possible configuration of the ground conditions is conjectural and given for guidance only

This report is intended for the sole use of Mr A Wilkinson No other third party may rely upon or reproduce the contents of this report without the written authorisation of Sirius If any unauthorised third party comes into possession of this report they rely on it at their own risk and the authors do not owe them any Duty of Care or Skill

2 0 SITE DESCRIPTION

2 1 Site Location

The site is located on the south western side of the village of Dodworth at National Grid Reference SE 314 049 Dodworth is approximately 3km west south west of Barnsley

2 2 Site Features

The site is roughly rectangular 100m by 220m with the long axis running north north east The eastern and western boundaries are irregular to accommodate the adjoining properties It covers an approximate area of 2 2 hectares

The site is bordered to the north by the gardens of a large detached house Stonehurst to the east by the gardens of housing off of Stratford Walk and to the south by a stream beyond which are fields and allotments To the west the site is bordered at the northern end by Dodworth Green Road in the centre by the grounds of the Travellers Inn a public house and in the southern area by the grounds of the former Dodworth C of E School the school buildings are not in use Both the school and the Travellers Inn front on to Dodworth Green Road

The overall fall in ground level is from north to south

Three detached houses and associated gardens are present on the site Hillside and Fieldhouse occupy the northern quarter of the site Access to these houses is along a lane/drive which marks the northern boundary of the site from Dodworth Green Road The third house is the Old Stables which lies in the central area of the site adjacent to the western boundary South of the Old Stables is a level terrace raised above the surrounding site to the south and east by a retaining wall up to 3m in height This wall is in a poor state and in places appears to be retained itself by mounds of earth placed against the wall

The remaining areas of the site are occupied by two irregularly shaped fields the boundary between them marked by a hedge row adjacent to a stream The stream flows south east through the centre of the site and forms a small valley breaking the overall fall in ground level to the south At the north western end of this valley where it intersects with the car park of the Travellers Inn there is a retaining wall up to 3m high the car park being at a higher level The area in the vicinity of the stream is heavily overgrown The southern part of the site slopes down to the stream on the southern boundary This stream flows to the east

There are a number of mature trees together with the hedge rows across the site

The main site features are shown on Drawing No C1185/2 presented in Appendix A to this report

3 0 SITE HISTORY

In order to investigate the history of the site extracts of Ordnance Survey (OS) plans dated from 1855 to 2000 obtained as part of the Envirocheck Report included in Appendix B have been examined

Below is a summary of the salient points relating to the history of the site from 1855 with respect to the proposed end use It is not the intention of this report to describe in detail all the changes that have occurred on or adjacent to the site only those pertinent to the proposed development

OS Map Edition Date	Scale of source map	On-site Features	Off-site Features
1855	1 10 560	• The site is shown as fields • An *Old Coal Pit* is shown in the centre of the site • A *Well* is shown in the central area of site (north of the old coal pit)	• Unnamed stream shown along southern boundary of site • Road shown adjacent to north west edge of site (line of existing Dodworth Green Road) road named as *Ben Bank Road* • Group of buildings shown adjacent to western edge of site middle of site boundary appear to be named *Lambert Fold* • Terraced housing shown adjacent to road beyond Lambert Fold *National School (Infants)* shown 50m west of site *Ratten Row* housing 50m west of south west corner of site *Coal Pit* shown 150m north west of site • *Cliff Lane Quarry (Sandstone)* shown 270m north of site
1893/ 1894	1 2 500/ 1 10 560	Old Coal Pit no longer shown • Well no longer shown	Road shown as *Dodworth Green Road* *Travellers Inn* shown adjacent to western boundary and north of Lambert Fold • *Air Shaft* shown 150m north west of site in area of Coal Pit Coal Pit no longer shown National School (Infants) now shown as *Schools* Cliff Lane Quarry no longer shown • *Church Lane Colliery* shown 600m north west of site Comprises railway sidings buildings and spoil heap • *New Sovereign Colliery* shown 700m south west of site
1906/ 1907	1 2 500/ 1 10 560	*Spring* shown in north west central area of site at head of stream Small building shown in central western area of site	*Allotment Gardens* shown south of stream on southern boundary of site New Sovereign Colliery shown *(Disused)* Church Lane Colliery now named *Old Silkstone Collieries Coke Ovens* and *Reservoir* shown associated with the colliery

OS Map Edition Date	Scale of source map	On-site Features	Off-site Features
1931	1 2 500	Spring no longer shown • Additional buildings/boundary walls shown central western area of site	House shown immediately north of site • Disturbed ground shown adjacent to north east corner of the site Legend indicates Gravel Pit/Clay Pit but the nature of disturbance is not identified on the map
1938	1 10 560	• No significant change	• Coke Ovens no longer shown at Old Silkstone Collieries
1956	1 10,560	• No significant change	• No significant change
1962	1 2 500	• Stream on site shown as *Drain* • *Hillside* and *Fieldhouse* shown at northern end of site both comprise a main building and two smaller outbuildings • Enclosed area in central western area of site shown as Lambert Fold	• Disturbed ground north east of site shown as slope • *Stonehurst* shown north of site identified as *Surgery* School west of site shown enlarged and named as *Dodworth C of E School* • Air shaft no longer shown north west of site
1965/ 1966	1 10 560	• No significant change	Old Silkstone Collieries now shown as *Mine*
1971	1 2 500	• No significant change	• No significant change
1973/ 1978	1 10 000	• No significant change	Housing development shown adjacent to eastern boundary (1978)
1979	1 1 250	Driveway shown to Hillside	• No significant change
1983	1 10 000	• No significant change	No significant change
1985	1 2 500	• No significant change	• No significant change
1988	1 2 500	• *Sinks* shown on eastern boundary at end of stream	• No significant change
1990/ 1991	1 1 250	No significant change	No significant change
1991	1 1 250	Out building adjacent to Fieldhouse replaced by what appears to be a garage (driveway leads to it)	No significant change
1993/ 1995	1 1 250	• No significant change	• No significant change
1993	1 10 000	• No significant change	• No significant change
2000	1 10 000	• No significant change	• No significant change

The village of Dodworth is shown to expand slowly over time encroaching around the site

4 0 GEOLOGY

The geological setting of the site was determined through reference to BGS Sheet 87 Barnsley Solid and Drift edition (1 50 000 scale published 1974) and Sheets SE30NW and SE30SW Barnsley Solid and Drift edition (1 10 560 scale county series published 1980)

These show the site to be underlain by strata of the Middle Coal Measure series These comprise an interbedded sequence of sandstone siltstone and mudstone with coal seams The

site is shown underlain by undifferentiated measures which generally comprise siltstone and mudstone

Two coal seams are shown to outcrop across the site Both outcrops trend east west The Flockton Thick Coal is shown to outcrop in the southern area of the site the Joan Coal in the northern area of the site The dip is shown as 4 to the north east therefore much of the site will be underlain by the Flockton Thick at shallow to moderate depth with the Joan coal underlying the northern edge of the site only

Between these two coals is the Tankersley Ironstone The outcrop of this is shown to run through the central area of the site again trending east west

No drift deposits are shown

The surface trace of a fault is shown running north north west just north of the site This fault is proven at depth in the Parkgate Coal The down throw at the surface is shown as 6m to the north east

5 0 MINING AND QUARRYING

In order to determine the risk to the site from recorded coal mining a mining report was commissioned from the Coal Authority A copy of the mining report is included in Appendix C

Salient points of the report are summarized below

- *The property is within the likely zone of influence on the surface from workings in 5 seams of coal at shallow to 210m depth the last date of working being 1961*
- *The property is not within the zone of likely physical influence on the surface from any present underground coal workings*
- *The property is not within a geographical area for which a licence to extract coal by underground methods is awaiting determination / has been granted by the Coal Authority*
- *The property is not within the zone of likely physical influence at the surface from plans of future workings in our possession However reserves of coal exist in this locality which could be worked at some time in the future subject to feasibility licences and planning consents"*
- *"Within or within 20m of the property there are two mine entries the approximate positions of which are shown on the attached plan Your attention is drawn to the statements made on that plan*
- *Claim(s) (subsidence) within or intersecting the property boundary that do not match the property address are shown on the attached plan*

- *The records in our possession do not show any request having been made to execute preventative works under S 33 of the Coal Mining Act 1991*

The 1 10 000 scale geological map sheet SE30SW shows the two mine entries described above the southern most is an adit on the outcrop of the Flockton Thick Coal the second is a shaft recorded to go to the Flockton Thick Coal Sheet SE30NW shows backfilled opencast workings along the outcrop of Flockton Thick Coal 220m north west of the site

Correspondence has also been received from South Yorkshire Mining Advisory Service (SYMAS) through Barnsley MBC a copy of which is given in Appendix C They confirm the sequence of coals described in Section 4 0 and the information given above They also state

- *The site has been affected by mining on four occasions ranging in depth from the Fenton Coal Seam at 45m down to the Whinmoor Coal Seam at 200m which was worked in 1961*
- *All subsidence movement from these workings would have ceased long ago and as the area lies remote from the active coalfield it should not be affected for the forseeable future*
- *"The Flockton Thick Coal Seam is shown to outcrop through the southern half of the site dipping below it This seam has a general section ranging from 600mm up to 2000mm thick and has been worked by underground methods and opencast operations in the general area*
- *"The Joan Coal Seam is shown to outcrop through the northern edge of the site This coal seam has a thickness of 600mm to 800mm generally and is not known to have been worked in this area*
- *The Tankersley Park Ironstone lies just above the Flockton Thick Coal Seam This Ironstone has a thickness ranging up to 8m and was worked in localised areas for the steel industry However there are no known workings in this area*

The geological memoir for the 1 50 000 scale geological map Sheet 87 Barnsley records that workings associated with the Tankersley Ironstone are often carried out through bell pits

Inspection of historical OS plans indicates no evidence of the site having been quarried

6 0 HYDROLOGY AND HYDROGEOLOGY

Surface Waters

Inspection of the OS plans reviewed as part of this investigation indicate that the closest surface water feature to the site is a drain / stream running through the centre of the site flowing south west to sinks on the eastern boundary of the site A second stream forms the southern boundary of the site flowing east Both streams are unnamed but are tributaries to Dodworth Dyke which lies east of the site

Dodworth Dyke is classified by the Environment Agency (EA) as GQA Class D (fair) 290m north east of the site

The Envirocheck Report indicates that the Environment Agency (EA) has records of only one pollution incident to controlled waters within 250m of the site This is 153m west of the site is a Category 3 – minor incident and was for the discharge of fire water / foam There are also six incidents between 250m and 500m of the site The majority of these are downstream of the site full details are given in the Envirocheck Report Appendix B One incident is 295m north west of the site i e upstream this is also a Category 3 incident and was for miscellaneous urban run off

According to the Envirocheck Report there are no surface water abstractions within 1km of the site

There are no licensed discharge consents recorded within 500m of the site and only five within 1km of the site Details of these are given in the Envirocheck Report in Appendix B Only one discharge consent lies upstream of the site this is 621m west of the site and was for trade effluent the licence was revoked in 2004

The site does not lie within a fluvial indicative floodplain

Groundwater

The site is recorded as being underlain by the undifferentiated strata of the Middle Coal Measure Series Under the Environment Agency s Policy and Practice for the Protection of Groundwater and the 1 100 000 scale Groundwater Vulnerability Map Sheet 11 (South Pennines) these are classed as a minor aquifer which is defined as

> *Variable permeable formations which can be fractured or potentially fractured rocks which do not have a high primary permeability or formations of variable permeability including unconsolidated deposits Although not producing large quantities for abstraction they are important for local supplies and supplying base flows to rivers*

The soils underlying the site are classified as having a low leaching potential This means that pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants

Information sought from the Landmark Information Group (LIG) indicates that the EA has no record of licensed groundwater abstractions within 1km of the site The historical plans indicate a well to have been formerly on the site this is no longer shown and was not identified during the walk over survey although the area of the well is heavily overgrown

Correspondence from Barnsley MBC a copy of which is given in appendix C states

> *"There are no private water supplies within 1km of the above site*

7 0 LANDFILL SEARCH

Information on landfill sites in the vicinity of the property was sought from the Landmark Information Group and local authority The LIG Envirocheck Report is presented as Appendix B to this report

Two registered landfill sites are identified by the Landmark Information Group within 1km of the site The edge of the closest landfill is 222m east south east of the south east corner of the site The licence ref 114 is shown as lapsed / cancelled / defunct / not applicable / surrendered and was for inert non hazardous demolition / construction waste and soil / subsoil The second registered landfill site is 381m north east of the site and again has been cancelled etc and was for inert soil and sub soil

Correspondence from the local authority a copy of which is given in Appendix C states that with reference to licence 114

> *This landfill has been classified as Category 4 meaning the Waste Disposal Site Licence indicates the site has been licensed to accept materials that would not be expected to give rise to landfill gas in substantial quantities*

The 1 10 000 geological survey map Sheet SE3ONW shows backfilled opencast workings 220m north west of the site These extend for a significant distance away from the site along the line of the outcrop of the Flockton Thick Coal

8 0 RADON

To determine whether the site is at risk from Radon gas the BRE document Radon guidance on protective measures for new dwellings has been referenced

This document shows the site to lie within an area where radon protective measures may be required As such a Radon Report was requested from the BGS which stated that basic radon protection measures are required for the report area A copy of this radon report is presented in Appendix C

9 0 MISCELLANEOUS

An approach has been made to Barnsley MBC for any information they may have concerning the site with regard to landfill contaminated land Part A & B authorised processes nuisances reported incidents and groundwater / surface water abstractions Their full reply is included in Appendix C of this report Salient points not previously referred to are summarised below

- *With regards to the above site we have no current information of any previous uses of the above site that may have caused contamination to occur Due to the fact that we have no information regarding any previous contaminated uses we have no reason to inspect the site with regards to contaminated land*

- *There are no authorised processes on or within 250m of the site"*

- *"We have no records on our system of any complaints regarding the above site over the last three year period*

- *"We have no record of any pollution incident relating to this site*

Correspondence has also been received from building control of Barnsley MBC this forms part of a larger correspondence so only the relevant page is included in Appendix C of this report Much of the information given by building control is discussed above from other sources They do comment that a number of trees on and adjacent to the site have tree preservation orders on them

The Envirocheck Report records that the area immediately south of the site is an area of adopted green

The contemporary trade directory entries included with the Envirocheck Report shows three entries within 250m of the site car body repairs 92m west of the site refrigerators and freezers servicing and repair 120m north east of the site and car breakdown and recovery services 136m north of the site There are a further five entries given between 250m and 500m of the site details of these are given in the Envirocheck Report

10 0 CONCLUSIONS AND RECOMMENDATIONS

10 1 Summary of Land Use

The historical plans reviewed as part of this investigation indicate that the majority of the site has remained as fields since the earliest plan of 1855 The only development being the three detached houses and their gardens including the terrace associated with the Old Stables However the earliest historical plan shows an old coal pit and the geological and mining records record a shaft and an adit on the site These would indicate a limited industrial (mining) use of the site prior to the publication of the historical plan of 1855 The extent of this use is unknown

A well is also shown on the earliest historical plan but is not shown on any subsequent plans

The immediate surrounding area has developed over time as residential with the expansion of Dodworth

10 2 Mining and Quarrying

Based on an inspection of the geological records for the area and a Coal Authority mining report the possibility of the surface stability at the site being affected by past/present recorded coal workings at depth is considered negligible

The Coal Authority does have a record of a subsidence claim for the area immediately to the north of the site The nature of the claim and date of the claim is not given No reference is made to the depth of workings at the time of the claim

There are no recorded workings in the Flockton Thick Coal however the presence of the shaft and adit both associated with the Flockton Thick Coal would imply that shallow workings exist beneath the site in this seam The seam is recorded up to 2m thick in the area and therefore there is the potential for significant voids beneath the site

The possibility of further mine entries being present on the site can not be ruled out

There is also the possibility of shallow workings associated with both the Tankersley Ironstone and Joan Coal These are not known to have been worked locally however the possibility of crop workings or bell pits can not be wholly discounted

Quarrying is not indicated on the historical plans in the vicinity of the site

It is likely that shallow workings would need to be treated prior to development of the site Treatment options are but not confined to

- *Drilling and grouting with each housing plot proof drilled prior to construction*
- Excavation of overburden and removal of any remaining coal followed by recompaction of overburden as an engineered fill
- Piling through worked seams

To aid in the design of the most suitable treatment an intrusive investigation would be necessary to determine the depth to coal seams and ironstone band and to identify the percentage of any worked coal

10 3 Contamination

The assessment of contaminated land in the UK as defined in Section 57 of the Environment Act 1995 is currently based upon a simple assessment of pollutant linkages referred to as the source → pathway → target model This assessment is based upon the current or proposed usage of the site in terms of its suitability for use This implies the use of risk assessment principles in order to evaluate the potential effects and concerns of contamination on a site specific basis

Before undertaking a risk assessment it is usual to devise a conceptual site model in order to identify the potential contaminants pathways and targets Following completion of the model the requirements for any further investigation can be determined The results of this further investigation can then be used to refine the initial assessment in order that a suitable cost effective remediation strategy can be devised A conceptual model for this site is presented as Drawing No C1185/3 in Appendix A to this report

The principal source of potential contamination on the site is from its former use associated with mining and any made ground associated with regrading/landscaping the site Also possible localised spillages of hydrocarbons from domestic vehicles and heating systems

Potential contaminants associated with the site usage include but are not necessarily limited to

- Toxic and phytotoxic metals
- Sulphate
- Hydrocarbons

The site is considered to lie within a setting of moderate environmental sensitivity the most sensitive environmental receptor being surface water via the stream/drain on the site and the stream adjacent to the southern boundary The site is underlain by a minor aquifer (siltstone and mudstone of the Coal Measure strata) but this is overlain by low permeability soils of low leaching potential

Consideration is being given to the development of the site for residential purposes This is considered a high sensitivity end use as residents are likely to be exposed to ground contamination for a significant period of their lifetime

Based upon the desk study information it is considered likely that the site may have some ground contamination associated with former mining and possible imported fill to regrade parts of the site although this are likely to be localised The necessity for remediation is subject to the extent and nature of any contamination This cannot be determined without an appropriate intrusive investigation However based upon currently available data it is considered unlikely that any existing ground contamination would prohibit development although some form of simple remediation may be required (e g localised removal of hydrocarbon impacted soil and capping of landscaped/garden areas)

It is possible that asbestos has been used in the fabric of some of the buildings Prior to demolishing the buildings it is recommended that an asbestos survey be undertaken by a suitably qualified consultant The asbestos should be removed by a suitably qualified contractor to a suitably licensed facility

10 4 Foundations

It is not possible to provide foundation recommendations until the results of a suitable ground investigation are available the scope of which are discussed in Section 11 0 of this report However the following general comments are made but should be viewed with caution

Information held by the BGS indicates that the site is underlain at shallow depth by strata of the Middle Coal Measure series These generally weather at the surface to a firm or stiff clay which is likely to be suitable for foundations for a low rise development this is confirmed by comments from building control in their correspondence It is likely that strip or trench fill foundations would be suitable across the majority of the site

The adit and shaft should be located and treated in accordance with the Coal Authorities recommendations prior to development of the site Similarly the former well should be located and treated / infilled as required No foundations should be placed over the shaft or adit or within an area bounded by a line drawn at 45 back from where the shaft side intersects rockhead

Foundation precautions should be taken near trees in accordance with NHBC Standards Chapter 4 2

10 5 Hazardous Gas

Based on information provided by the Landmark Information Group (which includes information from the local authority) and from the local authority there is a small landfill site 222m east south east of the south east corner of the site The majority of the development site lies outside of the zone of influence of this landfill i e beyond 250m Also this landfill is classified as Category 4 meaning the Waste Disposal Site Licence indicates the site has been licensed to accept materials that would not be expected to give rise to landfill gas in substantial quantities

The development site however is underlain by shallow coal seams which may be worked and give rise to mines gas

Whilst precautions against landfill gas are considered unlikely precautions against mines gas may be required Monitoring for hazardous gas should therefore be carried out to assess the risk and likely precautions required

A radon report from the British Geological Survey shows that the site requires basic radon protection measures This consists of a gas retardant ground floor membrane suitably lapped and sealed taken continuously through cavity walls

11 0 FURTHER WORKS

In order to obtain planning permission for the proposed redevelopment and to enable determination of foundation solutions and abnormal costs associated with any contamination and shallow mine workings it will be necessary to undertake an intrusive ground investigation at the site

The general nature and extent of any made ground below the site should be assessed as part of an intrusive investigation

The depth and thickness of the coal seams and ironstone band should be determined and the outcrops located The coal seams should be proved in sufficient locations to allow an assessment of the ratio of intact coal to worked coal at shallow depth beneath the site

Investigation of the site would be cheaper and easier post demolition of the buildings on site If this is not possible the scope of an investigation would be dictated by access constraints

Based on current site operations and the findings of the desk study a Phase I intrusive investigation is likely to comprise

- Window sampling a method of drilling which would form shallow boreholes (up to 5m deep) in areas of limited access
- Trial pitting and trenching
- Rotary probe drilling
- Installation of gas / ground water monitoring standpipes
- Gas / groundwater monitoring
- Laboratory testing both chemical (contamination) and geotechnical

If deep made ground or soft ground is encountered then cable percussion boreholes may be required It is likely that a second phase of intrusive work would be required at a later stage once an assessment of the geology is made to locate the shaft and adit These should be located prior to development

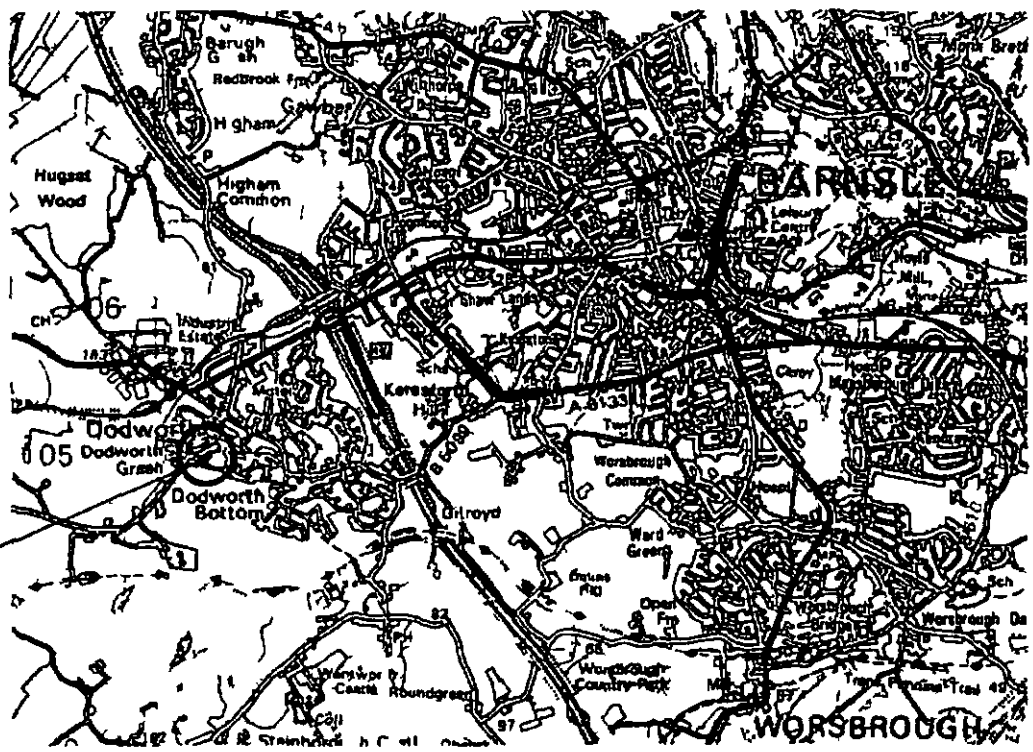
Prior to demolition an asbestos survey will be required



APPENDIX A
DRAWINGS

Site Location Plan

Contract Number	C1185
Contract	Land off Dodworth Green Road Dodworth Barnsley
Client	Mr A Wilkinson



The Site

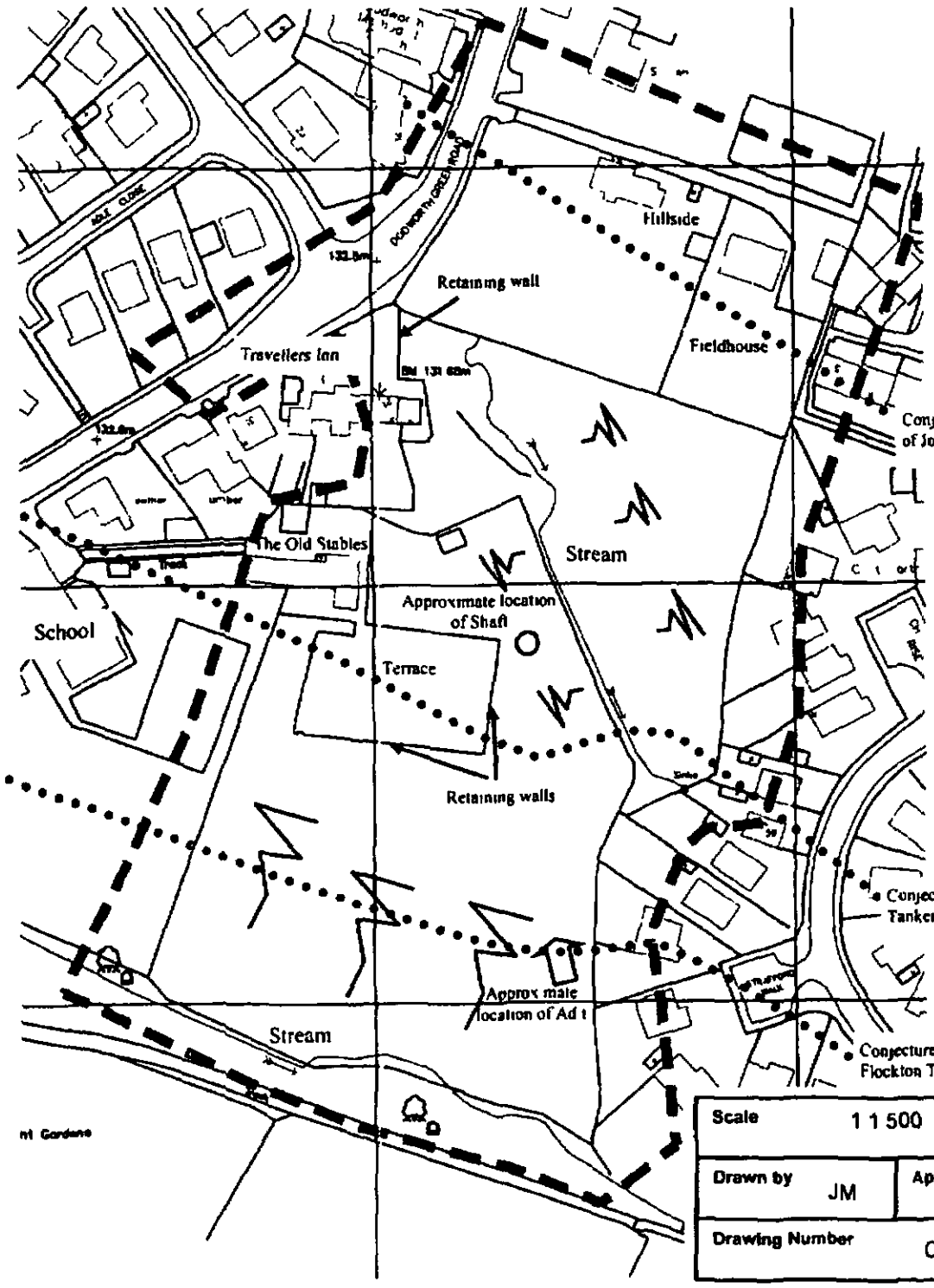


Reproduced from the Ordnance Survey 1 50 000 scale Landranger® map with the permission of The Controller of Her Majesty s Stationary Office © Crown Copyright All rights reserved
Sirius Geotechnical & Environmental Ltd Suite 2 Russel House Mill Road Langley moor Durham DH7 8HJ
Licence No 100042005

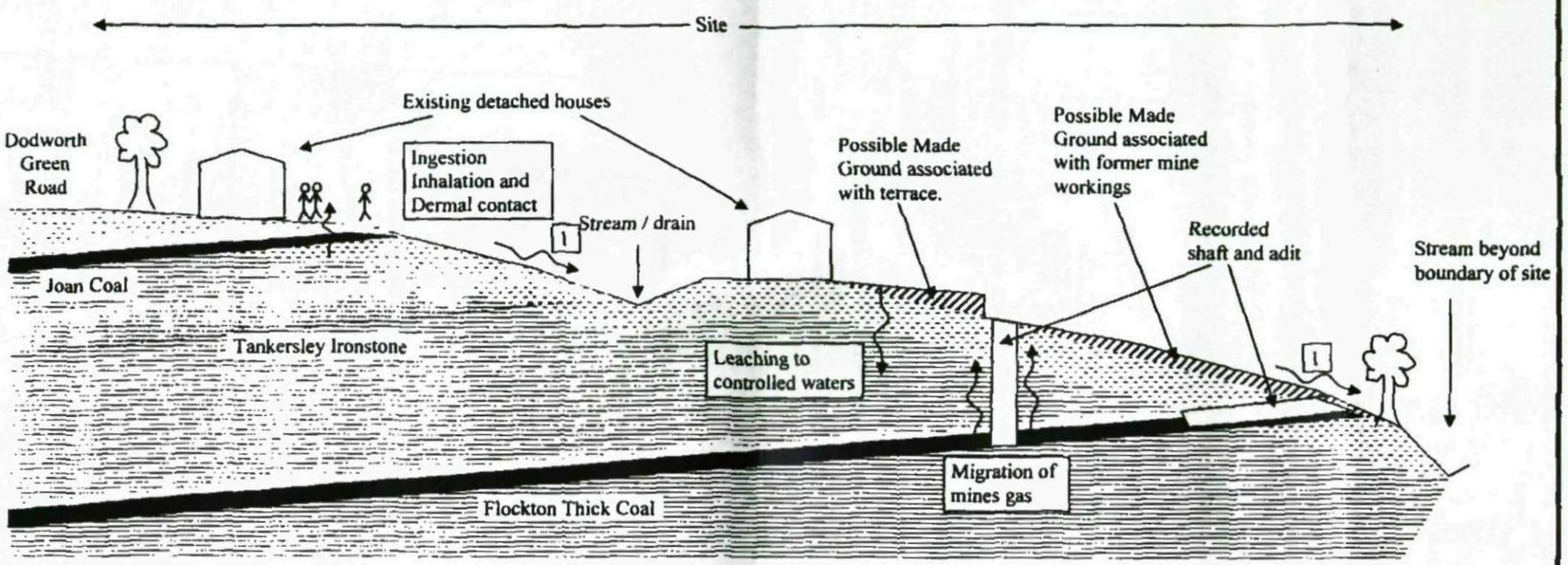
Scale	1 50 000	
Drawn by	JM	Approved
Drawing Number	C1185/1	

Contract Number	C1185
Contract	Land off Dodworth Green Road Dodworth Barnsley
Client	Mr A Wilkinson

Site Plan



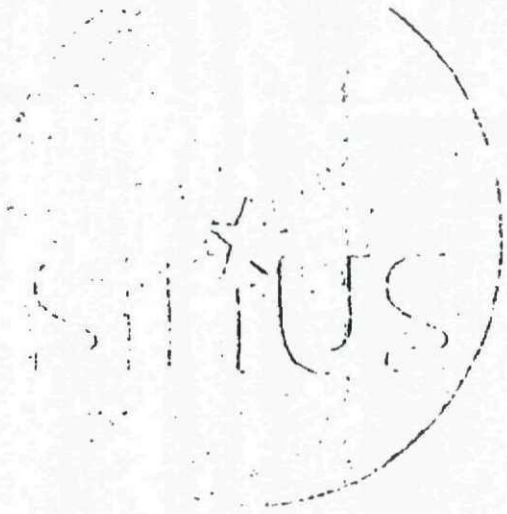
Scale	1 1 500
Drawn by	JM
Approved	
Drawing Number	C1185/2



1: Runoff to surface water

Contract Number	C1185	Scale	NTS
Contract	Land off Dodworth Green Road Dodworth, Barnsley	Drawn by JM	Approved
		Drawing Number	C1185/3
Client	Mr A Wilkinson		

Conceptual Site Model



APPENDIX B
ENVIROCHECK REPORT

Envirocheck®
A Landmark® product

Envirocheck® Report

Datasheet

Report on:
Green Road
Dodworth
Barnsley
South Yorkshire
S75 3SU

National Grid Reference :

431430, 404990

Prepared For :
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange
Bowcliffe Hall Estate
Leeds
LS23 6LP

Your Reference:

MR R Howells,C1185/JMc

Summary

Agency & Hydrological

Waste

Hazardous Substances

Geological

Industrial Land Use

Sensitive Land Use

Data Currency

Data Suppliers & Copyright Statements

Useful Contacts

BGS Borehole Order Form

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity Datasheet places great emphasis on statutory data provided by the Environment Agency and the Scottish Environment Protection Agency; it also incorporates data from English Nature (and the Scottish and Welsh equivalents), the Environment Agency (and the Scottish equivalent) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the legend database to 1km from a single point or 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

Copyright Notice

© Landmark Information Group Limited 2005. The Copyright on the information and data and its format as contained in this Envirocheck Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency and English Nature, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. Additional copies may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological				
Local Authority Pollution Prevention and Controls				
Local Authority Pollution Prevention and Control Enforcements				
Contaminated Land Register Entries and Notices				
Discharge Consents				5
Enforcement and Prohibition Notices				
Integrated Pollution Controls				
Integrated Pollution Prevention And Control				
Local Authority Integrated Pollution Prevention And Control				
Nearest Surface Water Feature	Yes			
Pollution Incidents to Controlled Waters		1	6	8
Substantiated Pollution Incident Register				
Prosecutions Relating to Authorised Processes				
Prosecutions Relating to Controlled Waters				1
Water Industry Act Referrals				
Registered Radioactive Substances				
River Quality			1	1
River Quality Biology Sampling Points				2
River Quality Chemistry Sampling Points				
Water Abstractions				
Groundwater Vulnerability	Yes			
Source Protection Zones				
Extreme Flooding from Rivers or Sea without Defences				
Flooding from Rivers or Sea without Defences				
Areas Benefiting from Flood Defences				
Flood Water Storage Areas				
Flood Defences				
River Flood Data (Scotland)				

Data Type	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste				
BGS Recorded Landfill Sites			1	
Integrated Pollution Control Registered Waste Sites				
Licensed Waste Management Facilities (Landfill Boundaries)				
Licensed Waste Management Facilities (Locations)				
Local Authority Recorded Landfill Sites		1	1	
Registered Landfill Sites		2		1
Registered Waste Transfer Sites				
Registered Waste Treatment or Disposal Sites				
Hazardous Substances				
Control of Major Accident Hazards Sites (COMAH)				
Explosive Sites				
Notification of Installations Handling Hazardous Substances (NIHHS)				
Planning Hazardous Substance Consents				
Planning Hazardous Substance Enforcements				
Geological				
BGS Boreholes			8	104
BGS Recorded Mineral Sites				1
BGS 1:625,000 Solid Geology	Yes			
Brine Compensation Areas				
Coal Mining Affected Areas	Yes			
Shallow Mining Hazards	Yes			
Potential for Collapsible Ground Stability Hazards				
Potential for Compressible Ground Stability Hazards	Yes			
Potential for Ground Dissolution Stability Hazards				
Potential for Landslide Ground Stability Hazards	Yes	Yes		
Potential for Running Sand Ground Stability Hazards	Yes			
Potential for Shrinking or Swelling Clay Ground Stability Hazards	Yes	Yes		
Mining Instability	Yes			
Natural and Mining Cavities				
Radon Affected Areas	Yes			
Radon Protection Measures	Yes			
Industrial Land Use				
Contemporary Trade Directory Entries		3	5	33
Fuel Station Entries				

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

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Consents					
1	Operator:	British Coal Corporation	N	502	1	431300 405600
	Property Type:	Undefined Or Other				
	Location:	Dodworth Colliery-Tailings Lagoon,Dodworth,Barnsley,South Yorkshire				
	Authority:	Environment Agency, North East Region				
	Catchment Area:	Don Tributaries				
	Reference:	E544				
	Permit Version:	1				
	Effective Date:	9th September 1983				
	Issued Date:	9th September 1983				
	Revocation Date:	18th November 1988				
	Discharge Type:	Trade Effluent				
	Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	Not Supplied				
	Status:	Authorisation revoked				
	Positional Accuracy:	Located by supplier to within 100m				
	Discharge Consents					
2	Operator:	Yorkshire Water Services Ltd	W	621	1	430760 405130
	Property Type:	Undefined Or Other				
	Location:	Yorkshire Water Champaney Hill Serv,Ice Reservoir				
	Authority:	Environment Agency, North East Region				
	Catchment Area:	Don Tributaries				
	Reference:	C5033				
	Permit Version:	1				
	Effective Date:	25th March 1988				
	Issued Date:	25th March 1988				
	Revocation Date:	23rd March 2004				
	Discharge Type:	Trade Effluent				
	Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	Tib Of Silstone Beck				
	Status:	Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)				
	Positional Accuracy:	Located by supplier to within 100m				
	Discharge Consents					
3	Operator:	Yorkshire Water Services Ltd	E	782	1	432280 405250
	Property Type:	Undefined Or Other				
	Location:	Dodworth Road Sps Dodworth Road,Dodworth,Barnsley,South Yorkshire				
	Authority:	Environment Agency, North East Region				
	Catchment Area:	Don Tributaries				
	Reference:	Wra7960				
	Permit Version:	1				
	Effective Date:	27th February 2003				
	Issued Date:	27th February 2003				
	Revocation Date:	Not Supplied				
	Discharge Type:	*Sewage Discharges - Pumping Station - Water Company*				
	Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	Dodworth Dike				
	Status:	New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)				
	Positional Accuracy:	Located by supplier to within 10m				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Discharge Consents					
4	Operator:	Yorkshire Water Services Ltd	E	815	1	432300 404870
	Property Type:	Sewerage Network - Sewers - Water Company				
	Location:	Keresforth Road Cso Land Opposite Water Royd Drive,Keresforth Road,Dodworth,South Yorkshire				
	Authority:	Environment Agency, North East Region				
	Catchment Area:	Don Tributaries				
	Reference:	Wra7254				
	Permit Version:	2				
	Effective Date:	31st March 2004				
	Issued Date:	3rd February 2004				
	Revocation Date:	Not Supplied				
	Discharge Type:	Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company				
	Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	Dodworth Dyke				
	Status:	Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)				
	Positional Accuracy:	Located by supplier to within 10m				
	Discharge Consents					
4	Operator:	Yorkshire Water Services Ltd	E	820	1	432310 404890
	Property Type:	Sewerage Network - Sewers - Water Company				
	Location:	Keresforth Road Cso Land Opposite Water Royd Drive,Keresforth Road,Dodworth,South Yorkshire				
	Authority:	Environment Agency, North East Region				
	Catchment Area:	Don Tributaries				
	Reference:	Wra7254				
	Permit Version:	1				
	Effective Date:	2nd January 1997				
	Issued Date:	2nd January 1997				
	Revocation Date:	30th March 2004				
	Discharge Type:	Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company				
	Discharge Environment:	Freshwater Stream/River				
	Receiving Water:	Dodworth Dyke				
	Status:	New Consent, by Application (Water Resources Act 1991, Section 88)				
	Positional Accuracy:	Located by supplier to within 10m				
	Pollution Incidents to Controlled Waters					
5	Property Type:	Water Company Sewage: Other	W	153	1	431200 404950
	Location:	Dodworth Hall Farm,Green Road,Dodworth,BARNSLEY				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Miscellaneous - Fire water / Foam				
	Note:	Dodworth Dyke; Fish Killed: No Information				
	Incident Date:	22nd December 1998				
	Incident Reference:	SH980483				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
6	Property Type:	Industrial: Other	NW	295	1	431200 405300
	Location:	Dodworth,BARNSLEY				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Miscellaneous - Urban Runoff				
	Note:	No Fish Killed				
	Incident Date:	16th July 1997				
	Incident Reference:	SH970342				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Pollution Incidents to Controlled Waters					
7	Property Type:	Fire Water	NE	352	1	431800 405300
	Location:	Jermyn Croft,Off Dodworth High Steeet Near,BARNSLEY				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Gas Oil				
	Note:	No Fish Killed				
	Incident Date:	23rd May 1997				
	Incident Reference:	SH970255				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 2 - Significant Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
7	Property Type:	Water Company Sewage: Foul Sewer	NE	355	1	431800 405300
	Location:	Darfield/Source Dove(S) Afu				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Crude Sewage				
	Note:	Not Supplied				
	Incident Date:	13th December 1993				
	Incident Reference:	148976				
	Catchment Area:	Not Given				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 2 - Significant Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
8	Property Type:	Farm	SE	368	1	431700 404600
	Location:	Netherwood Brdg/Aldham A633 Dove(S) 03				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Unknown				
	Note:	Not Supplied				
	Incident Date:	28th May 1993				
	Incident Reference:	144864				
	Catchment Area:	Not Given				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
9	Property Type:	Water Company Sewage: Surface Water Outfall	N	419	1	431600 405500
	Location:	Dodworth Dyke At,Fails Bank Estate Adjacent To,Keresforth Hill Road				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Unknown				
	Note:	Pollution Found; No Fish Killed				
	Incident Date:	10th July 1996				
	Incident Reference:	SH960322				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Unknown				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
10	Property Type:	Textile Industry	N	452	1	431550 405550
	Location:	Dodworth Dyke At,BARNSLEY				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Chemicals - Paints / Dyes				
	Note:	No Pollution Found; No Fish Killed				
	Incident Date:	6th December 1996				
	Incident Reference:	SH960492				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Unknown				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Pollution Incidents to Controlled Waters					
11	Property Type:	Highway/Car Park	E	541	1	432000 404800
	Location:	Darfield/Source Dove(S) Afu				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Diesel (Including Agricultural)				
	Note:	Not Supplied				
	Incident Date:	21st May 1993				
	Incident Reference:	144576				
	Catchment Area:	Not Given				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 2 - Significant Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
12	Property Type:	Chemical Industry	NW	648	1	431000 405600
	Location:	Dodworth,BARNSLEY				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Chemicals - Paints / Dyes				
	Note:	Dodworth Dyke; No Fish Killed				
	Incident Date:	23rd June 1998				
	Incident Reference:	SH980251				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
13	Property Type:	Engineering	NE	651	1	431750 405700
	Location:	Dodworth Industrial Estate,DODWORTH				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Other Oil				
	Note:	No Fish Killed				
	Incident Date:	26th April 1996				
	Incident Reference:	SH960237				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 2 - Significant Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
13	Property Type:	Engineering	NE	656	1	431750 405700
	Location:	Dodworth Industrial Estate				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Other Oil				
	Note:	Pollution Found; No Fish Killed				
	Incident Date:	26th April 1996				
	Incident Reference:	SH960237				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Unknown				
	Severity of Incident:	Category 2 - Significant Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
14	Property Type:	Engineering	NW	894	1	430800 405750
	Location:	Elm Hirst Lane,DODWORTH				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Oils - Other Oil				
	Note:	Pollution Found; No Fish Killed				
	Incident Date:	2nd May 1996				
	Incident Reference:	SH960303				
	Catchment Area:	Dearne Tributaries				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Unknown				
	Severity of Incident:	Category 2 - Significant Incident				
	Positional Accuracy:	Located by supplier to within 100m				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Pollution Incidents to Controlled Waters					
15	Property Type:	Miscellaneous Premises: Unknown	E	905	1	432400 404900
	Location:	Darfield/Source Dove(S) Afu				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Not Given				
	Note:	Not Supplied				
	Incident Date:	22nd April 1994				
	Incident Reference:	150731				
	Catchment Area:	Not Given				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
15	Property Type:	Miscellaneous Premises: Unknown	E	906	1	432400 404900
	Location:	Darfield/Source Dove(S) Afu				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Not Given				
	Note:	Not Supplied				
	Incident Date:	22nd April 1994				
	Incident Reference:	150754				
	Catchment Area:	Not Given				
	Receiving Water:	Freshwater Stream/River				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Pollution Incidents to Controlled Waters					
16	Property Type:	Highway/Car Park	NE	988	1	432200 405800
	Location:	Markers Bridge B6273,/Darfld A635 Dearne 08				
	Authority:	Environment Agency, North East Region				
	Pollutant:	Chemicals - Other Inorganic				
	Note:	Not Supplied				
	Incident Date:	9th November 1990				
	Incident Reference:	116600				
	Catchment Area:	Not Given				
	Receiving Water:	No Pollution				
	Cause of Incident:	Not Given				
	Severity of Incident:	Category 3 - Minor Incident				
	Positional Accuracy:	Located by supplier to within 100m				
	Prosecutions Relating to Controlled Waters					
17	Location:	Fall Bank Industrial Estate,Dodworth,South Yorkshire,S75 3	NW	931	-	430740 405740
	Prosecution Text:	EA News Release 02/03/2000. Causing oil to enter the Dodworth Dyke on 23rd April 1999.				
	Prosecution Act:	WRA91 s85				
	Hearing Date:	2nd March 2000				
	Verdict:	Guilty				
	Fine:	5000				
	Cost:	1048				
	Positional Accuracy:	Manually positioned to the road within the address or location				
	River Quality					
	Name:	Dodworth_Dyke	NE	290	1	431670 405330
	GQA Grade:	River Quality D				
	Reach:	Dodworth_House_Carr_Dyk				
	Estimated Distance of Reach (km):	2.7				
	Flow Rate:	Flow less than 0.31 cumecs				
	Flow Type:	River				
	Year:	2000				
	River Quality					
	Name:	House_Carr_Dyke	S	981	1	431620 403900
	GQA Grade:	River Quality B				
	Reach:	Bagger_Wood_Dyke_Dodworth_Dyk				
	Estimated Distance of Reach (km):	1.6				
	Flow Rate:	Flow less than 0.31 cumecs				
	Flow Type:	River				
	Year:	2000				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	River Quality Biology Sampling Points					
18	Name:	Dodworth Dike	N	731	1	431650
	Reach:	Dodworth To House Carr Dyke				405810
	Estimated Distance:	2.70				
	Positional Accuracy:	Located by supplier to within 10m				
	Year:	1990				
	GQA Grade:	River Quality Biology GQA Grade Not Supplied				
	Year:	1995				
	GQA Grade:	River Quality Biology GQA Grade E - Poor				
	Year:	2000				
	GQA Grade:	River Quality Biology GQA Grade C - Fairly Good				
	Year:	2002				
	GQA Grade:	River Quality Biology GQA Grade C - Fairly Good				
	Year:	2003				
	GQA Grade:	River Quality Biology GQA Grade B - Good				
	River Quality Biology Sampling Points					
19	Name:	Stainborough Dike	S	981	1	431620
	Reach:	Bagger Wood Dyke To Dodworth Dyke				403900
	Estimated Distance:	1.60				
	Positional Accuracy:	Located by supplier to within 10m				
	Year:	1990				
	GQA Grade:	River Quality Biology GQA Grade Not Supplied				
	Year:	1995				
	GQA Grade:	River Quality Biology GQA Grade A - Very Good				
	Year:	2000				
	GQA Grade:	River Quality Biology GQA Grade A - Very Good				
	Year:	2002				
	GQA Grade:	River Quality Biology GQA Grade A - Very Good				
	Year:	2003				
	GQA Grade:	River Quality Biology GQA Grade B - Good				
	Groundwater Vulnerability					
	Geological Classification:	Minor Aquifer (Variably permeable) - These can be fractured or potentially fractured rocks, which do not have a high primary permeability, or other formations of variable permeability including unconsolidated deposits. Although not producing large quantities of water for abstraction, they are important for local supplies and in supplying base flow to rivers	-	0	1	431430 404990
	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 11 South Pennines				
	Scale:	1:100,000				
	Drift Deposits					
	Description	None	-	-	-	-
	Extreme Flooding from Rivers or Sea without Defences					
	Description	None	-	-	-	-
	Flooding from Rivers or Sea without Defences					
	Description	None	-	-	-	-
	Areas Benefiting from Flood Defences					
	Description	None	-	-	-	-
	Flood Water Storage Areas					
	Description	None	-	-	-	-
	Flood Defences					
	Description	None	-	-	-	-
	River Flood Data (Scotland)					
	Description	None	-	-	-	-

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Recorded Landfill Sites					
20	Site Name:	Jermyn Croft	NE	421	-	431660 405480
	Location:	Dodworth,BARNSLEY,Yorks				
	Authority:	British Geological Survey, National Geoscience Information Service				
	Ground Water:	Information not available				
	Surface Water:	Information not available				
	Geology:	N/A				
	Positional Accuracy:	Positioned by the supplier				
	Boundary Accuracy:	Moderate				
	Local Authority Landfill Coverage					
	Name:	Barnsley Metropolitan Borough Council - Has supplied landfill data	-	0	2	431430 404990
	Local Authority Recorded Landfill Sites					
21	Location:	Not Supplied	SE	222	2	431640 404760
	Reference:	114				
	Authority:	Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards				
	Last Reported Status:	Unknown				
	Types of Waste:	Not Supplied				
	Date of Closure:	Not Supplied				
	Positional accuracy:	Positioned by the supplier				
	Boundary Quality:	Moderate				
	Local Authority Recorded Landfill Sites					
22	Location:	Not Supplied	NE	381	2	431710 405410
	Reference:	113				
	Authority:	Barnsley Metropolitan Borough Council, Environmental Health and Trading Standards				
	Last Reported Status:	Unknown				
	Types of Waste:	Not Supplied				
	Date of Closure:	Not Supplied				
	Positional accuracy:	Positioned by the supplier				
	Boundary Quality:	Moderate				
	Registered Landfill Sites					
23	Licence Holder:	M Dawson (Secretary)	SE	84	1	431540 404880
	Licence Reference:	WD20 B 920				
	Site Location:	South Street Allotments,Dodworth,Barnsley,South Yorkshire				
	Licence Easting:	431720				
	Licence Northing:	404710				
	Operator Location:	24 Intake Crescent,Dodworth,BARNSLEY,South Yorkshire,S75 3NW				
	Authority:	Environment Agency - North East Region, Ridings Area				
	Site Category:	Landfill				
	Maximum Input Rate:	Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year)				
	Waste Source Restrictions:	No known restriction on source of waste				
	Status:	Licence lapsed/cancelled/defunct/not applicable/surrendered				
	Dated:	1st December 1992				
	Preceded By Licence:	Not Given				
	Superseded By Licence:	Not Given				
	Positional Accuracy:	Manually positioned to the road within the address or location				
	Boundary Accuracy:	Not Applicable				
	Authorised Waste	Inert/Non-Haz. Demol./Constr'N Waste Inert/Non-Haz. Soil/Subsoil				
	Prohibited Waste	Asbestos (All Forms) Liquid/Slurry In Drum/Cont'R > 4 L Cap Paper/Cardboard Plasterboard Plastic Waste Of Domestic/Com. Origin Wood				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Registered Landfill Sites					
24	Licence Holder:	A Monk - Civil Engineering Ltd	NE	211	1	431640 405250
	Licence Reference:	WD20 B 789				
	Site Location:	Dodworth Miners Welfare,Sports Ground,Dodworth,Barnsley,South Yorkshire				
	Licence Easting:	431800				
	Licence Northing:	405450				
	Operator Location:	42 High Street,Boston Spa,WETHERBY,West Yorkshire,LS23 6EA				
	Authority:	Environment Agency - North East Region, Ridings Area				
	Site Category:	Landfill				
	Maximum Input Rate:	Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)				
	Waste Source Restrictions:	No known restriction on source of waste				
	Status:	Licence lapsed/cancelled/defunct/not applicable/surrendered				
	Dated:	1st August 1990				
	Preceded By Licence:	Not Given				
	Superseded By Licence:	Not Given				
	Positional Accuracy:	Manually positioned to the address or location				
	Boundary Accuracy:	Not Applicable				
	Authorised Waste	Inert Soil & Subsoil				
	Prohibited Waste	All Forms Of Asbestos Hazardous Wastes Liquid/Slurry In Drums/Cont'Rs > 4 L Paper/Cardboard Plasterboard Plastic Wood				
	Registered Landfill Sites					
25	Licence Holder:	J W Boylin & Co Ltd	SE	967	1	432180 404230
	Licence Reference:	WD20 B 537				
	Site Location:	Strafford Colliery,Gilroyd Lane,Dodworth,Barnsley,South Yorkshire				
	Licence Easting:	432350				
	Licence Northing:	404050				
	Operator Location:	As Site Address				
	Authority:	Environment Agency - North East Region, Ridings Area				
	Site Category:	Landfill				
	Maximum Input Rate:	Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)				
	Waste Source Restrictions:	No known restriction on source of waste				
	Status:	Licence lapsed/cancelled/defunct/not applicable/surrendered				
	Dated:	1st August 1987				
	Preceded By Licence:	Not Given				
	Superseded By Licence:	Not Given				
	Positional Accuracy:	Manually positioned to the address or location				
	Boundary Accuracy:	Not Applicable				
	Authorised Waste	Brick Rubble, Hardcore, Concrete Construction/Demolition Waste Compris. Foundry Sand (Inert & Non-Haz.) Road Excavations Soil, Subsoil				
	Prohibited Waste	Asbestos Waste Of Any Type Foundry Sand Cont. Phenolic Bigders Liquid/Sludge In Drum/Cont'R > 4 L Cap Paper Plasterboard Poisonous, Noxious, Polluting Wastes Putrescible Waste Waste Subject To Decomposition Wood				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
26	BGS Reference:	Se30nw166	N	397	3	431590 405480
	Drilled Length (m):	1.22				
	Borehole Name:	Prop J&I Sch Dodworth Bh 3				
	BGS Boreholes					
26	BGS Reference:	Se30nw164	N	403	3	431580 405490
	Drilled Length (m):	1.83				
	Borehole Name:	Prop J&I Sch Dodworth Bh 1				
	BGS Boreholes					
26	BGS Reference:	Se30nw169	N	403	3	431610 405480
	Drilled Length (m):	1.52				
	Borehole Name:	Prop J&I Sch Dodworth Bh 6				
	BGS Boreholes					
26	BGS Reference:	Se30nw165	N	413	3	431580 405500
	Drilled Length (m):	1.52				
	Borehole Name:	Prop J&I Sch Dodworth Bh 2				
	BGS Boreholes					
26	BGS Reference:	Se30nw170	N	415	3	431620 405490
	Drilled Length (m):	1.83				
	Borehole Name:	Prop J&I Sch Dodworth Bh 7				
	BGS Boreholes					
26	BGS Reference:	Se30nw167	N	428	3	431600 405510
	Drilled Length (m):	1.83				
	Borehole Name:	Prop J&I Sch Dodworth Bh 4				
	BGS Boreholes					
26	BGS Reference:	Se30nw171	N	434	3	431620 405510
	Drilled Length (m):	1.83				
	Borehole Name:	Prop J&I Sch Dodworth Bh 8				
	BGS Boreholes					
26	BGS Reference:	Se30nw168	N	441	3	431610 405520
	Drilled Length (m):	2.13				
	Borehole Name:	Prop J&I Sch Dodworth Bh 5				
	BGS Boreholes					
27	BGS Reference:	Se30nw563	E	566	3	432070 405200
	Drilled Length (m):	4.11				
	Borehole Name:	Dodsworth Secondary School 1				
	BGS Boreholes					
28	BGS Reference:	Se30nw566	E	625	3	432140 405080
	Drilled Length (m):	4.88				
	Borehole Name:	Dodsworth Secondary School 4				
	BGS Boreholes					
29	BGS Reference:	Se30sw25	SW	628	3	430800 404600
	Drilled Length (m):	85				
	Borehole Name:	Home Farm Green Road Dodw				
	BGS Boreholes					
30	BGS Reference:	Se30nw564	E	640	3	432150 405170
	Drilled Length (m):	3.81				
	Borehole Name:	Dodsworth Secondary School 2				
	BGS Boreholes					
31	BGS Reference:	Se30nw565	E	708	3	432220 405150
	Drilled Length (m):	4.57				
	Borehole Name:	Dodsworth Secondary School 3				
	BGS Boreholes					
31	BGS Reference:	Se30nw472	E	737	3	432250 405140
	Drilled Length (m):	2				
	Borehole Name:	Land At Keresforth Road Tp 7				
	BGS Boreholes					
32	BGS Reference:	Se30nw474	NE	711	3	432190 405310
	Drilled Length (m):	1				
	Borehole Name:	Land At Keresforth Road Tp 9				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
32	BGS Reference:	Se30nw475	E	730	3	432210
	Drilled Length (m):	12				405310
	Borehole Name:	Land At Keresforth Road Bh27				
	BGS Boreholes					
33	BGS Reference:	Se30nw535	N	714	3	431590
	Drilled Length (m):	Not Supplied				405810
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp41				
	BGS Boreholes					
34	BGS Reference:	Se30nw567	E	736	3	432250
	Drilled Length (m):	4.88				405050
	Borehole Name:	Dodsworth Secondary School 5				
	BGS Boreholes					
35	BGS Reference:	Se30sw4	S	747	3	431120
	Drilled Length (m):	138.99				404190
	Borehole Name:	New Sovereign Pit Dodsworth				
	BGS Boreholes					
36	BGS Reference:	Se30nw533	N	748	3	431680
	Drilled Length (m):	Not Supplied				405820
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp39				
	BGS Boreholes					
36	BGS Reference:	Se30nw496	N	755	3	431640
	Drilled Length (m):	Not Supplied				405840
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp2				
	BGS Boreholes					
37	BGS Reference:	Se30sw123	E	752	3	432260
	Drilled Length (m):	5				404990
	Borehole Name:	Land At Keresforth Road Bh 7				
	BGS Boreholes					
37	BGS Reference:	Se30sw122	E	773	3	432280
	Drilled Length (m):	8				404980
	Borehole Name:	Land At Keresforth Road Bh 6				
	BGS Boreholes					
37	BGS Reference:	Se30nw471	E	788	3	432300
	Drilled Length (m):	2				405020
	Borehole Name:	Land At Keresforth Road Tp 6				
	BGS Boreholes					
37	BGS Reference:	Se30sw124	E	794	3	432300
	Drilled Length (m):	8				404970
	Borehole Name:	Land At Keresforth Road Bh 8				
	BGS Boreholes					
38	BGS Reference:	Se30nw524	N	756	3	431740
	Drilled Length (m):	Not Supplied				405810
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp30				
	BGS Boreholes					
38	BGS Reference:	Se30nw508	N	781	3	431760
	Drilled Length (m):	Not Supplied				405830
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp14				
	BGS Boreholes					
38	BGS Reference:	Se30nw532	N	782	3	431730
	Drilled Length (m):	Not Supplied				405840
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp38				
	BGS Boreholes					
39	BGS Reference:	Se30nw473	E	762	3	432250
	Drilled Length (m):	1				405290
	Borehole Name:	Land At Keresforth Road Tp 8				
	BGS Boreholes					
40	BGS Reference:	Se30nw139	NW	778	3	430830
	Drilled Length (m):	Not Supplied				405610
	Borehole Name:	Manchester Road Bh 21				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
40	BGS Reference:	Se30nw138	NW	785	3	430820 405610
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Manchester Road Bh 20				
	BGS Boreholes					
40	BGS Reference:	Se30nw137	NW	793	3	430810 405610
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Manchester Road Bh 19				
	BGS Boreholes					
41	BGS Reference:	Se30nw521	NE	782	3	431790 405820
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp27				
	BGS Boreholes					
41	BGS Reference:	Se30nw525	NE	817	3	431810 405850
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp31				
	BGS Boreholes					
42	BGS Reference:	Se30nw536	N	784	3	431600 405880
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp42				
	BGS Boreholes					
43	BGS Reference:	Se30sw118	E	807	3	432310 404950
	Drilled Length (m):	11				
	Borehole Name:	Land At Keresforth Road Bh 2				
	BGS Boreholes					
43	BGS Reference:	Se30sw115	E	823	3	432320 404920
	Drilled Length (m):	2				
	Borehole Name:	Land At Keresforth Road Tp 1				
	BGS Boreholes					
43	BGS Reference:	Se30sw125	E	825	3	432330 404960
	Drilled Length (m):	6				
	Borehole Name:	Land At Keresforth Road Bh 9				
	BGS Boreholes					
43	BGS Reference:	Se30sw117	E	842	3	432350 404980
	Drilled Length (m):	20				
	Borehole Name:	Land At Keresforth Road Bh 1				
	BGS Boreholes					
43	BGS Reference:	Se30sw126	E	847	3	432350 404950
	Drilled Length (m):	6				
	Borehole Name:	Land At Keresforth Road Bh 10				
	BGS Boreholes					
43	BGS Reference:	Se30sw119	E	848	3	432350 404940
	Drilled Length (m):	11				
	Borehole Name:	Land At Keresforth Road Bh 3				
	BGS Boreholes					
43	BGS Reference:	Se30sw120	E	852	3	432350 404920
	Drilled Length (m):	13				
	Borehole Name:	Land At Keresforth Road Bh 4				
	BGS Boreholes					
43	BGS Reference:	Se30sw127	E	856	3	432360 404950
	Drilled Length (m):	6				
	Borehole Name:	Land At Keresforth Road Bh 11				
	BGS Boreholes					
44	BGS Reference	Se30nw534	N	812	3	431670 405890
	Drilled Length (m).	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp40				
	BGS Boreholes					
45	BGS Reference	Se30nw522	NE	814	3	431850 405830
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp28				

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes				
45	BGS Reference: Se30nw511 Drilled Length (m): Not Supplied Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp17	NE	846	3	431860 405860
	BGS Boreholes				
46	BGS Reference: Se30nw470 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 5	E	837	3	432350 405140
	BGS Boreholes				
47	BGS Reference: Se30nw136 Drilled Length (m): Not Supplied Borehole Name: Manchester Road Bh 18	NW	841	3	430750 405610
	BGS Boreholes				
47	BGS Reference: Se30nw132 Drilled Length (m): Not Supplied Borehole Name: Manchester Road Bh 14	NW	881	3	430730 405650
	BGS Boreholes				
47	BGS Reference: Se30nw135 Drilled Length (m): Not Supplied Borehole Name: Manchester Road Bh 17	NW	882	3	430700 405610
	BGS Boreholes				
48	BGS Reference: Se30nw499 Drilled Length (m): Not Supplied Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp5	N	845	3	431780 405890
	BGS Boreholes				
49	BGS Reference: Se30sw130 Drilled Length (m): 7 Borehole Name: Land At Keresforth Road Bh 14	E	853	3	432360 404970
	BGS Boreholes				
49	BGS Reference: Se30nw468 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 3	E	860	3	432370 405000
	BGS Boreholes				
49	BGS Reference: Se30sw128 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Bh 12	E	866	3	432370 404950
	BGS Boreholes				
49	BGS Reference: Se30sw129 Drilled Length (m): 3 Borehole Name: Land At Keresforth Road Bh 13	E	886	3	432390 404950
	BGS Boreholes				
49	BGS Reference: Se30sw116 Drilled Length (m): 2 Borehole Name: Land At Keresforth Road Tp 2	E	888	3	432390 404940
	BGS Boreholes				
49	BGS Reference: Se30sw121 Drilled Length (m): 10 Borehole Name: Land At Keresforth Road Bh 5	E	888	3	432390 404940
	BGS Boreholes				
50	BGS Reference: Se30nw495 Drilled Length (m): Not Supplied Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp1	N	854	3	431650 405940
	BGS Boreholes				
51	BGS Reference: Se30nw537 Drilled Length (m): Not Supplied Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp43	N	862	3	431600 405960
	BGS Boreholes				
52	BGS Reference: Se30nw523 Drilled Length (m): Not Supplied Borehole Name: Development Site Junction 37 M1 Motorway Dodworth Tp29	NE	863	3	431920 405850

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
52	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw509 Not Supplied Development Site Junction 37 M1 Motorway Dodworth Tp15	NE	872	3	431900 405870
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw65 Not Supplied Prop Koyo Factory Tp1	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw66 Not Supplied Prop Koyo Factory Tp2	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw67 Not Supplied Prop Koyo Factory Tp3	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw68 Not Supplied Prop Koyo Factory Tp4	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw69 Not Supplied Prop Koyo Factory Tp5	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw70 Not Supplied Prop Koyo Factory Tp6	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw71 Not Supplied Prop Koyo Factory Tp7	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw72 Not Supplied Prop Koyo Factory Tp8	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw73 Not Supplied Prop Koyo Factory Tp9	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw74 Not Supplied Prop Koyo Factory Tp10	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw75 Not Supplied Prop Koyo Factory Tp11	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw76 Not Supplied Prop Koyo Factory Tp12	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw77 Not Supplied Prop Koyo Factory Tp13	NW	866	3	430900 405800
53	**BGS Boreholes** BGS Reference: Drilled Length (m): Borehole Name:	Se30nw78 Not Supplied Prop Koyo Factory Tp14	NW	866	3	430900 405800

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
53	BGS Reference:	Se30nw79	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp15				
	BGS Boreholes					
53	BGS Reference:	Se30nw80	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp16				
	BGS Boreholes					
53	BGS Reference:	Se30nw81	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp17				
	BGS Boreholes					
53	BGS Reference:	Se30nw82	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp18				
	BGS Boreholes					
53	BGS Reference:	Se30nw83	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp19				
	BGS Boreholes					
53	BGS Reference:	Se30nw85	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp21				
	BGS Boreholes					
53	BGS Reference:	Se30nw86	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp22				
	BGS Boreholes					
53	BGS Reference:	Se30nw87	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp23				
	BGS Boreholes					
53	BGS Reference:	Se30nw88	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp24				
	BGS Boreholes					
53	BGS Reference:	Se30nw84	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp20				
	BGS Boreholes					
53	BGS Reference:	Se30nw89	NW	866	3	430900
	Drilled Length (m):	Not Supplied				405800
	Borehole Name:	Prop Koyo Factory Tp25				
	BGS Boreholes					
54	BGS Reference:	Se30nw526	NE	868	3	431870
	Drilled Length (m):	Not Supplied				405880
	Borehole Name:	Development S4e Junction 37 M1 Motorway Dodworth Tp32				
	BGS Boreholes					
54	BGS Reference:	Se30nw326	NE	875	3	431850
	Drilled Length (m):	5				405900
	Borehole Name:	M1 Aston-Leeds Motorway Bh Br1				
	BGS Boreholes					
55	BGS Reference:	Se30nw497	N	877	3	431730
	Drilled Length (m):	Not Supplied				405940
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp3				
	BGS Boreholes					
56	BGS Reference:	Se30nw469	E	895	3	432410
	Drilled Length (m):	1				405080
	Borehole Name:	Land At Keresforth Road Tp 4				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
57	BGS Reference:	Se30nw129	NW	913	3	430720
	Drilled Length (m):	Not Supplied				405890
	Borehole Name:	Manchester Road Bh 11				
	BGS Boreholes					
58	BGS Reference:	Se30nw538	N	913	3	431690
	Drilled Length (m):	Not Supplied				405990
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp44				
	BGS Boreholes					
58	BGS Reference:	Se30nw540	N	961	3	431690
	Drilled Length (m):	Not Supplied				406040
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp46				
	BGS Boreholes					
59	BGS Reference:	Se30nw531	NE	918	3	431830
	Drilled Length (m):	Not Supplied				405950
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp37				
	BGS Boreholes					
60	BGS Reference:	Se30nw327	NE	919	3	431890
	Drilled Length (m):	13				405930
	Borehole Name:	M1 Aston-Leeds Motorway Bh Br2				
	BGS Boreholes					
60	BGS Reference:	Se30nw328	NE	922	3	431910
	Drilled Length (m):	13				405920
	Borehole Name:	M1 Aston-Leeds Motorway Bh Br4				
	BGS Boreholes					
60	BGS Reference:	Se30nw530	NE	948	3	431910
	Drilled Length (m):	Not Supplied				405950
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp36				
	BGS Boreholes					
61	BGS Reference:	Se30nw520	NE	925	3	432010
	Drilled Length (m):	Not Supplied				405870
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp26				
	BGS Boreholes					
61	BGS Reference:	Se30nw528	NE	941	3	431990
	Drilled Length (m):	Not Supplied				405900
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp34				
	BGS Boreholes					
61	BGS Reference:	Se30nw529	NE	967	3	432040
	Drilled Length (m):	Not Supplied				405900
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp35				
	BGS Boreholes					
62	BGS Reference:	Se30nw498	N	937	3	431770
	Drilled Length (m):	Not Supplied				405990
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp4				
	BGS Boreholes					
63	BGS Reference:	Se30nw527	NE	961	3	431960
	Drilled Length (m):	Not Supplied				405940
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp33				
	BGS Boreholes					
63	BGS Reference:	Se30nw329	NE	970	3	431950
	Drilled Length (m):	3				405960
	Borehole Name:	M1 Aston-Leeds Motorway Bh Br5				
	BGS Boreholes					
63	BGS Reference:	Se30nw507	NE	979	3	431940
	Drilled Length (m):	Not Supplied				405970
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp13				
	BGS Boreholes					
64	BGS Reference:	Se30nw131	NW	968	3	430630
	Drilled Length (m):	Not Supplied				405660
	Borehole Name:	Manchester Road Bh 13				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	BGS Boreholes					
65	BGS Reference:	Se30nw134	NW	970	3	430590 405600
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Manchester Road Bh 16				
	BGS Boreholes					
66	BGS Reference:	Se30nw519	NE	970	3	432060 405890
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp25				
	BGS Boreholes					
66	BGS Reference:	Se30nw518	NE	992	3	432070 405910
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp24				
	BGS Boreholes					
67	BGS Reference:	Se30nw503	N	976	3	431740 406040
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp9				
	BGS Boreholes					
68	BGS Reference:	Se30nw517	NE	982	3	432020 405930
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp23				
	BGS Boreholes					
68	BGS Reference:	Se30nw516	NE	998	3	432000 405960
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp22				
	BGS Boreholes					
69	BGS Reference:	Se30nw515	NE	990	3	431900 406000
	Drilled Length (m):	Not Supplied				
	Borehole Name:	Development Site Junction 37 M1 Motorway Dodworth Tp21				
	BGS Recorded Mineral Sites					
70	Site Name:	Old Silkstone Collieries	N	648	3	431190 405720
	Location:	Dodworth, Barnsley, South Yorkshire				
	Source:	British Geological Survey, National Geoscience Information Service				
	Reference:	13330				
	Type:	Underground				
	Status:	Ceased				
	Operator:	British Coal - S Yorkshire Area				
	Operator Location:	St George'S, 46 Thorne Road, Doncaster, South Yorkshire, Dn1 2jb				
	Periodic Type:	Carboniferous				
	Geology:	Pennine Middle Coal Measures Formation				
	Commodity:	Coal - Deep				
	Positional Accuracy:	Located by supplier to within 10m				
	BGS 1:625,000 Solid Geology					
	Description:	Lower Westphalian (mainly Productive Coal Measures)	-	0	3	431430 404990
	Coal Mining Affected Areas					
	Description:	In an area which may be affected by coal mining activity. It is recommended that a coal mining report is obtained from the Coal Authority. Contact details are included in the Useful Contacts section of this report.	-	0	4	431430 404990
	Shallow Mining Hazards					
	Risk:	Low-Moderate	-	0	3	431430 404990
	Source:	British Geological Survey, National Geoscience Information Service				
	Potential for Collapsible Ground Stability Hazards					
	Description	No Hazard	-	-	-	-
	Potential for Compressible Ground Stability Hazards					
	Hazard Potential:	No Hazard	-	0	3	431430 404990
	Source:	British Geological Survey, National Geoscience Information Service				
	Potential for Ground Dissolution Stability Hazards					
	Description	No Hazard	-	-	-	-

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	-	0	3	431430 404990
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	S	0	3	431430 404980
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	S	24	3	431430 404850
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	SW	40	3	431330 404880
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	SE	88	3	431530 404830
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	SE	121	3	431530 404780
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	W	144	3	431230 405000
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	W	170	3	431200 405030
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	S	213	3	431350 404680
	Potential for Landslide Ground Stability Hazards				
	Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	SE	247	3	431650 404730
	Potential for Running Sand Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	-	0	3	431430 404990
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	-	0	3	431430 404990
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	NE	0	3	431500 405070
	Potential for Shrinking or Swelling Clay Ground Stability Hazards				
	Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	S	183	3	431400 404690
	Mining Instability				
	Mining Evidence: Inconclusive Coal Mining Source: *Ove Arup & Partners* Boundary Quality: As Supplied	-	0	-	431430 404990
	Radon Affected Areas				
	Description: Less than 1% of homes are above the Action Level Source: Health Protection Agency	-	0	5	431430 404990
	Radon Affected Areas				
	Description: Between 1% and 3% of homes are above the Action Level Source: Health Protection Agency	N	0	5	431430 405000
	Radon Protection Measures				
	Type: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	-	0	3	431430 404990

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries				
71	Name: Dodworth Motor Bodies Location: Green Road,Dodworth,Barnsley,South Yorkshire,S75 3RS Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	W	92	-	431270 404960
	Contemporary Trade Directory Entries				
72	Name: Dodworth Domestic Location: 31,High Street,Dodworth,Barnsley,South Yorkshire,S75 3RF Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	NE	120	-	431590 405180
	Contemporary Trade Directory Entries				
73	Name: Paragon Auto Care Location: 1,High Street,Dodworth,Barnsley,South Yorkshire,S75 3RF Classification: Car Breakdown & Recovery Services Status: Inactive Positional Accuracy: Automatically positioned to the address	N	136	-	431500 405230
	Contemporary Trade Directory Entries				
74	Name: Ryan Batty Location: 34,Baslow Crescent,Dodworth,Barnsley,South Yorkshire,S75 3SG Classification: Farriers Status: Inactive Positional Accuracy: Automatically positioned to the address	NW	271	-	431210 405280
	Contemporary Trade Directory Entries				
75	Name: South Yorkshire Gearboxes Location: 117,High Street,Dodworth,Barnsley,South Yorkshire,S75 3RQ Classification: Gearboxes Status: Active Positional Accuracy: Automatically positioned to the address	E	403	-	431900 404960
	Contemporary Trade Directory Entries				
76	Name: Buckley Farm Dairy Location: Stainborough Rd,Dodworth,Barnsley,South Yorkshire,S75 3NA Classification: Dairies Status: Active Positional Accuracy: Manually positioned to the road within the address or location	E	414	-	431870 404810
	Contemporary Trade Directory Entries				
77	Name: M A Midgley Location: 61,Rose Hill Drive,Dodworth,Barnsley,South Yorkshire,S75 3LY Classification: Refrigerators & Freezers - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	NE	420	-	431880 405300
	Contemporary Trade Directory Entries				
78	Name: The Handmade Furniture Co Location: 72,Green Road,Dodworth,Barnsley,South Yorkshire,S75 3RT Classification: Cabinet Makers Status: Active Positional Accuracy: Automatically positioned to the address	SW	499	-	430940 404620
	Contemporary Trade Directory Entries				
79	Name: Mr Shift-It Location: 24,Queens Drive,Dodworth,Barnsley,South Yorkshire,S75 3LW Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Automatically positioned to the address	NE	508	-	431960 405330

Map ID	Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries				
80	Name: Kellpest Environmental Bird & Pest Control Location: 93,Intake Crescent,Dodworth,BARNSLEY,South Yorkshire,S75 3NW Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	SE	559	-	431840 404470
	Contemporary Trade Directory Entries				
81	Name: B & B Trucks Location: Higham Lane,Dodworth,BARNSLEY,South Yorkshire,S75 3LA Classification: Commercial Vehicle Servicing, Repairs, Parts & Accessories Status: Active Positional Accuracy: Automatically positioned to the address	N	589	-	431640 405670
	Contemporary Trade Directory Entries				
82	Name: *Galpharm International Ltd* Location: Hugh House,Dodworth Business Park,Dodworth,Barnsley,South Yorkshire,S75 3SP Classification: Pharmaceutical Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	N	596	-	431220 405670
	Contemporary Trade Directory Entries				
83	Name: John Walker (Barnsley) Ltd Location: Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	NW	604	-	430910 405430
	Contemporary Trade Directory Entries				
83	Name: John Truswell & Sons Ltd Location: Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	NW	604	-	430910 405430
	Contemporary Trade Directory Entries				
83	Name: Albion Distribution Ltd Location: 9a,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	NW	604	-	430910 405430
	Contemporary Trade Directory Entries				
84	Name: Siroflex Ltd Location: Unit 4,Dodworth Business Park,Dodworth,Barnsley,South Yorkshire,S75 3SP Classification: Gum & Resin Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	NW	610	-	431020 405570
	Contemporary Trade Directory Entries				
85	Name: Eroda House Ltd Location: Fall Bank Indust Est,Dodworth,Barnsley,South Yorkshire,S75 3LS Classification: Engineers - General Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	NW	639	-	430930 405510
	Contemporary Trade Directory Entries				
85	Name: Braitrim Location: Fall Bank Ind Est,Dodworth,Barnsley,South Yorkshire,S75 3LS Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	NW	644	-	430930 405520

Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries					
85	Name:	Haywood Engineering Services	NW	648	-	430950
	Location:	2,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				405550
	Classification:	Engineers - General				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
86	Name:	Amity (Uk) Ltd	NW	645	-	431070
	Location:	Friendship House Unit 1,Dodworth Business Park,Dodworth.Barnsley,South Yorkshire,S75 3SP				405650
	Classification:	Chemical Manufacturers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
86	Name:	Amity Ltd	NW	645	-	431070
	Location:	Friendship House Unit 1,Dodworth Business Park,Dodworth,Barnsley,South Yorkshire,S75 3SP				405650
	Classification:	Chemicals - Distributors & Wholesalers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
86	Name:	Koyo Bearings (Europe) Ltd	NW	645	-	431070
	Location:	Friendship House Unit 1,Dodworth Business Park,Dodworth,Barnsley,South Yorkshire,S75 3SP				405650
	Classification:	Bearing Manufacturers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
87	Name:	Remploy Furniture Group Ltd	NW	671	-	430870
	Location:	15-16,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				405480
	Classification:	Furniture Manufacturers - Home & Office				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
87	Name:	Excel Furniture Remploy Ltd	NW	671	-	430870
	Location:	15-16,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				405480
	Classification:	Furniture Manufacturers - Home & Office				
	Status:	Inactive				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
87	Name:	Sandtek Door Services Ltd	NW	691	-	430840
	Location:	13,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				405480
	Classification:	Door Manufacturers - Industrial				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
87	Name:	D K Polythene Ltd	NW	696	-	430850
	Location:	Unit 16A,Fall Bank Ind Est,Dodworth,Barnsley,South Yorkshire,S75 3LS				405500
	Classification:	Packaging & Wrapping Equipment & Supplies				
	Status:	Inactive				
	Positional Accuracy:	Manually positioned to the address or location				
	Contemporary Trade Directory Entries					
87	Name:	R C International Ltd	NW	709	-	430830
	Location:	Unit 9,Fall Bank Ind Est,Dodworth,Barnsley,South Yorkshire,S75 3LS				405500
	Classification:	Freight Forwarders				
	Status:	Active				
	Positional Accuracy:	Manually positioned to the address or location				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries					
88	Name:	Magna Colours Ltd	NW	679	-	430970 405610
	Location:	Unit 3,Dodworth Business Park,Dodworth,Barnsley,South Yorkshire,S75 3SP				
	Classification:	Chemicals - Distributors & Wholesalers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
89	Name:	Nemesis Lighting	NW	679	-	430920 405570
	Location:	5,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				
	Classification:	Lighting Manufacturers				
	Status:	Inactive				
	Positional Accuracy:	Manually positioned to the address or location				
	Contemporary Trade Directory Entries					
89	Name:	Fibre Optic Carpets	NW	680	-	430920 405570
	Location:	5 Fall Bank Ind Est,Dodworth,Barnsley,South Yorkshire,S75 3LS				
	Classification:	Fibre Optics				
	Status:	Inactive				
	Positional Accuracy:	Manually positioned to the address or location				
	Contemporary Trade Directory Entries					
89	Name:	Ramset Fasteners Ltd	NW	701	-	430890 405560
	Location:	6,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				
	Classification:	Fasteners & Fixing Devices				
	Status:	Inactive				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
90	Name:	A B I Electronics Ltd	NW	681	-	431010 405650
	Location:	Unit 2,Dodworth Business Park,Dodworth,Barnsley,South Yorkshire,S75 3SP				
	Classification:	Electronic Equipment - Manufacturers & Assemblers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
91	Name:	Birchfield	NE	705	-	432060 405540
	Location:	2,Birchfield Crescent,Dodworth,Barnsley,South Yorkshire,S75 3NZ				
	Classification:	Pest & Vermin Control				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
92	Name:	Goldcrest Chemicals Ltd	N	722	-	431110 405760
	Location:	Dodworth Business Park,Dodworth,BARNSLEY,South Yorkshire,S75 3SP				
	Classification:	Chemical Manufacturers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
93	Name:	Active Doors Ltd	NW	732	-	430830 405540
	Location:	18 Fall Bank Ind Est,Dodworth,Barnsley,S Yorkshire,S75 3LS				
	Classification:	Door Manufacturers - Industrial				
	Status:	Inactive				
	Positional Accuracy:	Manually positioned within the geographical locality				
	Contemporary Trade Directory Entries					
93	Name:	Crosby Europe Ltd	NW	755	-	430790 405520
	Location:	10,Fall Bank Industrial Estate,Dodworth,Barnsley,South Yorkshire,S75 3LS				
	Classification:	Lifting Equipment				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				

Map ID		Details	Compass Direction	Estimated Distance From Site	Contact	NGR
	Contemporary Trade Directory Entries					
94	Name:	Foiled Again	E	773	-	432250
	Location:	1,The Link,Dodworth,Barnsley,South Yorkshire,S75 3QG				404850
	Classification:	Printers				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
95	Name:	P Thompson	NE	784	-	431940
	Location:	Linwood,Barnsley Road,Dodworth,Barnsley,South Yorkshire,S75 3JR				405740
	Classification:	Architectural Technologists				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
96	Name:	Woodward Food Service Ltd	N	796	-	431120
	Location:	Dodworth Business Park,Dodworth,BARNSLEY,South Yorkshire,S75 3SP				405850
	Classification:	Frozen Food Processors & Distributors				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				
	Contemporary Trade Directory Entries					
97	Name:	E-Freight	NW	796	-	430780
	Location:	9 Fall Bank Ind Est,Dodworth,Barnsley,South Yorkshire,S75 3LS				405580
	Classification:	Road Haulage Services				
	Status:	Active				
	Positional Accuracy:	Manually positioned to the address or location				
	Contemporary Trade Directory Entries					
98	Name:	Jdf Transport & Warehousing Ltd	NW	856	-	430750
	Location:	Middle Field Road,Silkstone,Barnsley,South Yorkshire,S75 4LS				405630
	Classification:	Road Haulage Services				
	Status:	Active				
	Positional Accuracy:	Automatically positioned to the address				

Map ID	Details		Compass Direction	Estimated Distance From Site	Contact	NGR
Areas of Adopted Green Belt						
	Authority:	Barnsley Metropolitan Borough Council, Planning Department	S	0	6	431410 404890
	Plan Name:	Barnsley Unitary Development Plan				
	Status:	Adopted				
	Plan Date:	31st December 2000				
Nitrate Vulnerable Zones						
	Name:	Not Supplied	-	0	7	431430 404990
	Description:	Surface Water				
	Source:	Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)				

Data Type	Version	Update Cycle
Agency & Hydrological		
Local Authority Pollution Prevention and Controls Barnsley Metropolitan Borough Council Environmental Health and Trading Standards	September-2004	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Barnsley Metropolitan Borough Council Environmental Health and Trading Standards	October-2005	Annual Rolling Update
Discharge Consents Environment Agency North East Region	July-2005	Quarterly
Integrated Pollution Controls Environment Agency North East Region	October-2005	Quarterly
Integrated Pollution Prevention And Control Environment Agency North East Region	July-2005	Quarterly
Local Authority Integrated Pollution Prevention And Control Barnsley Metropolitan Borough Council Environmental Health and Trading Standards	October-2005	Annual Rolling Update
Pollution Incidents to Controlled Waters Environment Agency North East Region	December-1998	Not Applicable
Substantiated Pollution Incident Register Environment Agency - North East Region Ridings Area	October-2005	Quarterly
Water Industry Act Referrals Environment Agency North East Region	October-2005	Quarterly
Registered Radioactive Substances Environment Agency North East Region	October-2005	Quarterly
River Quality Environment Agency Head Office	November-2001	Not Applicable
River Quality Biology Sampling Points Environment Agency Head Office	October-2004	Annually
River Quality Chemistry Sampling Points Environment Agency Head Office	June-2005	Annually
Water Abstractions Environment Agency North East Region	July-2005	Quarterly
Groundwater Vulnerability Environment Agency Head Office	January-1999	Not Applicable
Drift Deposits Environment Agency Head Office	January-1999	Not Applicable
Source Protection Zones Environment Agency Head Office	April-2005	Variable

Data Type	Version	Update Cycle
Agency & Hydrological		
Extreme Flooding from Rivers or Sea without Defences Environment Agency Head Office	June-2005	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency Head Office	June-2005	Quarterly
Areas Benefiting from Flood Defences Environment Agency Head Office	June-2005	Quarterly
Flood Water Storage Areas Environment Agency Head Office	June-2005	Quarterly
Flood Defences Environment Agency Head Office	June-2005	Quarterly
River Flood Data (Scotland) Centre for Ecology and Hydrology	September-1999	Not Applicable

Data Type	Version	Update Cycle
Waste		
BGS Recorded Landfill Sites British Geological Survey National Geoscience Information Service	June-1996	Not Applicable
Integrated Pollution Control Registered Waste Sites Environment Agency North East Region	October-2005	Quarterly
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - North East Region Ridings Area	October-2005	Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - North East Region Ridings Area	October-2005	Quarterly
Local Authority Landfill Coverage Barnsley Metropolitan Borough Council Environmental Health and Trading Standards	May-2000	Not Applicable
Local Authority Recorded Landfill Sites Barnsley Metropolitan Borough Council Environmental Health and Trading Standards	February-2005	Not Applicable
Registered Landfill Sites Environment Agency - North East Region Ridings Area	March-2003	Variable
Registered Waste Transfer Sites Environment Agency - North East Region Ridings Area	March-2003	Variable
Registered Waste Treatment or Disposal Sites Environment Agency - North East Region Ridings Area	March-2003	Variable

Data Type	Version	Update Cycle
Hazardous Substances		
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	May-2001	Variable
Explosive Sites Health and Safety Executive	October-2005	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November-2000	Not Applicable
Planning Hazardous Substance Consents Barnsley Metropolitan Borough Council Planning Department	September-2004	Annual Rolling Update
Planning Hazardous Substance Enforcements Barnsley Metropolitan Borough Council Planning Department	September-2004	Annual Rolling Update

Data Type	Version	Update Cycle
Geological		
BGS Boreholes British Geological Survey National Geoscience Information Service	September-2005	Quarterly
BGS Recorded Mineral Sites British Geological Survey National Geoscience Information Service	September-2005	Bi-Annually
BGS 1:625,000 Solid Geology British Geological Survey National Geoscience Information Service	August-1996	Not Applicable
Brine Compensation Areas Cheshire Brine Subsidence Compensation Board	November-2002	As notified
Coal Mining Affected Areas The Coal Authority Mining Report Service	December-2003	As notified
Shallow Mining Hazards British Geological Survey National Geoscience Information Service	August-2002	Variable
Potential for Collapsible Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey National Geoscience Information Service	May-2005	Annually
Mining Instability Ove Arup & Partners	October-2000	Not Applicable
Natural and Mining Cavities Peter Brett Associates	October-2001	Variable
Radon Affected Areas Health Protection Agency	January-2003	Not Applicable
Radon Protection Measures British Geological Survey National Geoscience Information Service	August-2002	Variable

Data Type	Version	Update Cycle
Industrial Land Use		
Contemporary Trade Directory Entries Thomson Directories	September-2005	Bi-Annually
Fuel Station Entries Catalist Ltd (Fuel Station Data)	August-2005	Quarterly

Data Type	Version	Update Cycle
Sensitive Land Uses		
Areas of Adopted Green Belt Barnsley Metropolitan Borough Council Planning Department	December-2000	As notified
Areas of Unadopted Green Belt Barnsley Metropolitan Borough Council Planning Department	December-2000	As notified
Areas of Outstanding Natural Beauty The Countryside Agency	October-2004	Annually
Environmentally Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December-2004	Annually
Forest Parks Forestry Commission	April-1997	Not Applicable
Local Nature Reserves Barnsley Metropolitan Borough Council Planning Department	September-1999	Annually
Marine Nature Reserves English Nature	December-2004	Annually
National Nature Reserves English Nature	December-2004	Annually
National Parks The Countryside Agency	October-2004	Annually
Nitrate Sensitive Areas Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December-2003	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	March-2005	Annually
Ramsar Sites English Nature	December-2004	Annually
Sites of Special Scientific Interest English Nature	December-2004	Annually
Special Areas of Conservation English Nature	December-2004	Annually
Special Protection Areas English Nature	December-2004	Annually

Some of the organisations who provide data which is used within the report

Ordnance Survey	Ordnance Survey® Licensed Partner
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	THE COAL AUTHORITY
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Countryside Council for Wales	CYNGOR CEFN GWLAD CYMRU COUNTRYSIDE COUNCIL FOR WALES
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE
English Nature Site of Special Scientific Interest, National Nature Reserve, Ramsar, Special Protection Area, Special Conservation Area, Marine Nature Reserve data (derived from Ordnance Survey 1:10000 raster) is provided by, and used with the permission of, English Nature who retain the copyright and Intellectual Property Rights for the data	ENGLISH NATURE
Health Protection Agency	Health Protection Agency
Ove Arup The Data provided above was obtained on Licence from Ove Arup & Partners Limited (for further information, contact mining.review@arup.com). No reproduction or further use of such Data is to be made without the prior written consent of Ove Arup & Partners Limited. The information and data supplied in the product are derived from publicly available records and other third party sources and neither Ove Arup & Partners nor Landmark warrant the accuracy or completeness of such information or data.	ARUP

Contact	Name and Address	
1	**Environment Agency National Customer Contact Centre (NCCC)** PO Box 544 Templeborough Rotherham S60 1BY enquiries@environment-agency.gov.uk	Telephone 08708 506 506
2	**Barnsley Metropolitan Borough Council Environmental Health and Trading Standards** Central Offices Kendray Street Barnsley South Yorkshire S70 2TN www.barnsley.gov.uk	Telephone 01226 770770 Fax 01226 772599
3	**British Geological Survey Enquiry Service** British Geological Survey Kingsley Dunham Centre Keyworth Nottingham Nottinghamshire NG12 5GG enquiries@bgs.ac.uk www.bgs.ac.uk	Telephone 0115 936 3143 Fax 0115 936 3276
4	**The Coal Authority Mining Report Service** 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG thecoalauthority@coal.gov.uk	Telephone 0845 7626848 DX 716176 Mansfield 5
5	**Health Protection Agency** Chilton Didcot Oxfordshire OX11 0RQ	Telephone 01235 831600 Fax 01235 833891

Contact	Name and Address	
6	**Barnsley Metropolitan Borough Council Planning Department** Central Offices Kendray Street Barnsley South Yorkshire S70 2TN www.barnsley.gov.uk	Telephone 01226 770770 Fax 01226 772599
7	**Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)** Government Buildings Otley Road Lawnswood Leeds West Yorkshire LS16 5QT	Telephone 0113 2613333 Fax 0113 230 0879
	Catalist Ltd (Fuel Station Data) Richmond House 22 Richmond Hill Clifton Bristol Avon BS8 1BA Mark@catalist-uk.com	Telephone 0117 923 7113 Fax 0117 923 7166
	Landmark Information Group Limited The Smith Centre Henley On Thames Oxfordshire RG9 6AB customerservices@landmarkinfo.co.uk www.landmark-information.co.uk	Telephone 0870 850 6670 Fax 0870 850 6671

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

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Borehole Records Order Form

Name: .....

Company: .....

Address: .....

.....

Postcode: .....

Your Ref/Order no:

Our Ref: ISGR/

Tel: .....

Fax: .....

.....

Quarter Sheet (eg. SE5ONE)	Number (eg. 21)	Suffix (if given) (eg. A-Z)	Name (eg. Bentley Village Sewer TP 1)

Please note: More than 10 records can be ordered, but it is advisable to discuss your requirements first with NGRC staff, as interpreted geological reports are also available.

RESPONSE TIMES MAY VARY DUE TO CUSTOMER DEMAND AND STAFF AVAILABILITY

(Please tick required service)

[ ] Standard Service (variable within 5 days)

[ ] Premium Service (24 hour response, £30 additional charge)

Delivery Method Required: (Please tick) **Post [ ] Special Delivery £3 [ ] Fax 50p (per sheet) [ ]**

Borehole unit price is £13 + VAT, Minimum charge £26 + VAT (includes 1st class postage).

Special Requirements or comments:

Please return form to: Records & Data Enquiries, British Geological Survey, Keyworth, Nottingham NG12 5GG.
Tel: 01159363143 Fax: 01159363276 R-mail: enquiries@bgs.ac.uk

LANDMARK TERMS AND CONDITIONS

Definitions

"Account" means the credit account established by a Member with Landmark.

"Agreement" means the agreement between Ourselves created by Your acceptance of these Terms.

"Authorised Reseller" means an agent or reseller of Landmark whom Landmark has duly appointed to resell its Reports and Services.

"Client" means the individual or organisation to whom You provide professional services and/or Your professional advisors where applicable.

"Content" means any data, computing and information services and software, and other content and documentation or support materials and updates included in and/or supplied by or through the Websites, in Reports or Services or in any other way by Landmark and shall include Landmark developed and Third Party Content.

"Designated Users" means individuals appointed by Members to transact across the Member's Account.

"Intellectual Property Rights" means all forms of intellectual property or protective rights recognised in law.

"Member" means the person, firm or organisation who establishes and/or uses the Account.

"Order" means the request for Services from Landmark by You.

"Property Site" means a land site on which a Member requests Landmark provide either a Report or any other Service.

References to "We", "Us" and "Our" are references to Landmark Information Group Limited ("Landmark"), whose registered office is 7 Abbey Court, Eagle Way, Exeter, EX2 7HY. Where You are not ordering the Services directly from Landmark, but from an Authorised Reseller, references to "Landmark" or "We", "Us" and "Our" shall be construed so as to mean either Landmark and/or the Authorised Reseller as the context shall indicate.

References to "You/Your/Yourself" refer to the contracting party who places an Order with Landmark and for whom the Services are to be provided by Landmark.

"Report" includes any information that Landmark supplies to You including all reports, services, datasets, software or information contained in them.

"Services" means the provision of any service by Landmark pursuant to these Terms which at the sole discretion of Landmark, may be time limited, for the purposes of evaluation only, offer reduced functionality, offer limited access to the Content, or be free of charge including but not limited to the report(s), data, information or other services undertaken by Landmark.

"Landmark Fees" means any charges levied by Landmark for Services provided to You

"Suppliers" means any organisation who provides data or information of any form to Landmark.

"Terms" means these Terms and Conditions.

"Third Party Content" means the services, software, information and other content or functionality provided by third parties and linked to or contained in the Services.

"Websites" means websites hosted by Landmark and includes the Content and any report, service, document, data-set, software or information contained therein, derived there from or thereby.

1. Terms and Conditions

a. These Terms govern the relationship between You and Landmark whether You are an unregistered visitor to the Website or a registered Member purchasing Landmark products or Services from Landmark.

b. Where these Terms are not expressly accepted by You they will be deemed to have been accepted by You, and You agree to be bound by these Terms when You place any Order, or pay for any Services provided or Reports ordered.

c. If the person communicating with Landmark is an Authorised Reseller, they must ensure that You agree to these Terms.

d. The headings in these Terms are for convenience only and shall not affect the meaning or interpretation of any part of these Terms.

e. We may modify these Terms, and may discontinue or revise any or all other aspects of the Services at our sole discretion, with immediate effect and without prior notice. Any amendment or variation to these Terms shall be posted on our Websites. Continued use of the Services by You shall be deemed an acceptance by You to be bound by any such amendments to the Terms.

f. Landmark reserves the right to refuse to supply Services to You or any other potential client without notice or reason.

2. Reports

Whilst Landmark will use reasonable care and skill in providing the Services to You the Services are provided on the express basis that You acknowledge and agree to the following:-

a. The information and data supplied in the Services are derived from publicly available records and other third party sources and Landmark does not warrant the accuracy or completeness of such information or data; and

b. The information and data supplied in the Services are derived solely from those sources specifically cited in the Report Landmark does not claim that these sources represent an exhaustive or comprehensive list of all sources that might be consulted; and

c. Landmark does not guarantee that all past or current land uses or features will be identified in the Report; and

d. The Services provided by Landmark are professional business to business services and not intended for use or interpretation by persons other than professional persons skilled in the use of property and environmental information; and

e. Landmark shall not be responsible for error or corruption in the Report resulting from inaccuracy or omission in primary or secondary information and data, inaccurate processing of information and data by third parties, computer malfunction or corruption of data whilst in the course of conversion, geo-coding, processing by computer or electronic means, or in the course of transmission by telephone or other communication link, or printing.

f. Landmark reserves the right, without limitation, to change the Reports or Services on offer at any time.

3. Intellectual Property

a. You acknowledge that all Intellectual Property Rights in the Report and Services are and shall remain owned by either Landmark or our Suppliers and nothing in these Terms purports to transfer, assign or grant any rights to You in respect of the Intellectual Property Rights.

b. Subject to clause 8.f, You are entitled to make the following use of the Services and Reports subject always to these Terms and You may, without further charge, make the Report or Services available to;

i. any person who purchases the whole of the Property Site,

ii. any person who provides funding secured on the whole of the Property Site,

iii. any person for whom You act in a professional or commercial capacity, and

iv. any person who acts for You in a professional or commercial capacity.

Accordingly Landmark shall have the same duties and obligations to those persons in respect of the Services as it has to You.

c. Each of those persons referred to in Clause 3.b. shall have the benefit and the burden of Your rights and obligations under these Terms. The limitations of Landmark's liability as set out in Clause 6 shall apply.

d. The Report is to be used solely for the benefit of You and Your Client and such persons as are set out in Clause 3.b, and Landmark excludes all liability to all other persons unless Landmark has expressly agreed in writing to the assignment of the benefit of the Report and has been paid Landmark's reasonable fees for so doing.

e. All parties given access to the Services agree that they will treat as strictly private and confidential the Services and all information which they obtain from the Services and shall restrict any disclosure to employees or professional advisors to enable the relevant party to conduct its internal business The requirement in this clause to treat the Services as confidential shall include a requirement to maintain adequate security measures to safeguard the Services from unauthorised access, use or copying.

f. Each recipient of the Services agrees (and agrees it will cause its employees, agents or contractors who may from time to time have access to the Services to agree) it will not, except as permitted herein or by separate agreement with Landmark:-

i. effect or attempt to effect any modification, merger or change to the Service, nor permit any other person to do so; or

ii. copy, use, market, re-sell, distribute, merge, alter, add to or carry on any redistribution, reproduction, translation, publication, reduction to any electronic medium or machine readable form or commercially exploit or in any other way deal with or utilise or (except as expressly permitted by applicable law) reverse engineer, decompile or disassemble the Services, Reports, Content or Website; or

iii. remove, alter or in any way change any trademark or proprietary marking in any element of the Services and You acknowledge the ownership of the Content is as per this Clause, where such Content is incorporated or used into Your own documents, reports, systems or services whether or not these are supplied to any third party.

iv. create any product which is derived directly or indirectly from the data contained in the Services

g. You shall acknowledge the ownership of the Content where such is incorporated into Your own documents, reports, systems or services whether or not these are supplied to any third party.

h. You are permitted to make five copies of any Report, but are not authorised to re-sell the Report, any part thereof or any copy thereof unless you are an Authorised Reseller. Further copies may not be made in whole or in part without the prior written permission of Landmark who shall be entitled to make a charge for each additional copy.

i. You hereby agree to fully indemnify Landmark against any claim losses or other damages suffered by Landmark as a result any breach by any recipient of the Services of these Terms.

j. You agree that You will comply with any reasonable instructions that We may give from time to time with regard to the use of the Intellectual Property Rights, including but not limited to acknowledging that the Services and Reports are confidential to You, Your Client or the persons set out in Clause 3.b.

k. The mapping contained in any Services is protected by Crown Copyright and must not be used for any purpose outside the context of the Services or as specifically provided by these Terms.

4. Charges

a. Landmark may grant You a credit limit in order to allow You to transact with it or set up an Account and reserves the right to withdraw any such credit limit at any time without prior notice.

b. You are fully responsible for all charges that accumulate on Your Account.

c. VAT at the prevailing rate shall be payable in addition to the Landmark Fees. You shall pay any other applicable indirect taxes related to Your use of the Services.

d. An individual or a monthly invoice showing all Orders created will be generated subject to these Terms. You will pay the Landmark Fees at the rates set out in Landmark's or its Authorised Reseller's invoice. The Landmark Fees are payable in full within 28 days without deduction, counterclaim or set off. You acknowledge that time is of the essence with respect to the payment of such invoices. Non-payment of Landmark Fees may, at Our sole discretion result in Landmark terminating or limiting the use of Your Account and its provision of Services to You. Landmark reserve the right to amend the Landmark Fees from time to time and the Services will be charged at the *Landmark Fee applicable at the date on which the* Service is ordered.

e. We may charge interest on late payment at a rate equal to 8% per annum above the base lending rate of National Westminster Bank plc.

f. Landmark or its Authorised Reseller shall not be obliged to invoice any party other than You for the provision of Services, but where Landmark or its Authorised Reseller does so invoice any third party at Your request, and such invoice is not accepted or remains unpaid, Landmark or its Authorised Reseller shall have the option at any time to cancel such invoice and invoice You direct for such Services. Where Your order comprises a number of Services or severable elements within any one or more Services, any failure by Landmark or its Authorised Reseller to provide an element or elements of the Services shall not prejudice Landmark's or its Authorised Reseller's ability to require payment in respect of the Services delivered to You

5. Termination

a. Landmark may suspend or terminate Your rights under these Terms without any liability to You with immediate effect if at any time:-

i. You fail to make any payment due in accordance with Clause 4;

ii. You repeatedly breach or commit or cause to be committed any material breach of these Terms; or

iii. You commit a breach and You fail to remedy the breach within 7 days of receipt of a written notice to do so Landmark may remedy the breach and recover the costs thereof from You; or

iv. You commit an act of bankruptcy or insolvency, are unable to pay Your debts as or when they fall due or make any composition or arrangement with Your creditors, or go into liquidation whether voluntary or compulsory, or if any order is made or a resolution is passed for Your winding up (except for the purpose of a solvent amalgamation or reconstruction), or if You cease or prepare to cease trading, or if You suffer the appointment of a receiver, administrative receiver, administrator or similar officer over the whole or part of any of Your assets.

b. If Your rights are terminated under this Clause and You have made an advance payment We will refund You a reasonable proportion of the balance as determined by Us in relation to the value of Services previously purchased.

c. We may suspend the Agreement between You and Landmark for an indefinite period without notice and at any time if in Our opinion You are in breach of any of the provisions of these Terms.

6. Liability

a. We provide warranties and accept liability only to the extent stated in this Clause 6.

b. Nothing in these Terms excludes either party's liability for death or personal injury caused by that party's

negligence or wilful default.

c. As most of the information contained in the Services is provided to Landmark by others, Landmark cannot control its accuracy or completeness, nor is it within the scope of Landmark's Services to check the information on the ground. Accordingly, subject to clause 6b, Landmark will only be liable to You for any loss or damage caused by its negligence or wilful default and neither Landmark nor any person providing information contained in any Services shall in any other circumstances be liable for any inaccuracies, faults or omissions in the Services nor shall Landmark have any liability if the Services are used otherwise than in accordance with these Terms.

d. Save as precluded by law, Landmark shall not be liable for any indirect or consequential loss, damage or expenses (including loss of profits, loss of contracts, business or goodwill) howsoever arising out of any problem, event, action or default by Landmark or any indirect or consequential loss of any nature whatsoever or for any physical damage to or loss of Your tangible property, any other direct loss, damage, cost or expense of any kind or any indirect or consequential loss, damage, cost or expense of any kind, whether any of the above arise under contract, tort (including negligence), an indemnity or contribution or otherwise.

e. In any event, and notwithstanding anything contained in these Terms, Landmark's liability in contract, tort (including negligence or breach of statutory duty) or otherwise howsoever arising by reason or in connection with this Contract (except in relation to death or personal injury) shall be limited to an aggregate amount not exceeding £1 million if the complaint is in relation to a Report on residential property and an amount not exceeding £10 million in respect of any other Report or Service purchased from Landmark except in so far as Landmark will not be liable for any defect, failure or omission relating to Services that is not notified to Landmark within six months of the date of the issue becoming apparent and in any event, within one year of the date of the Report if the complaint is in relation to a Report on residential property and within six years of the date of the Report in respect of any other Report or Service. Where any claim relates to either a part of the Services that is not chargeable or if You have been in breach of any part of these Terms Landmark's liability shall be limited to £1,000

f. No person may rely on the Report more than 12 months after its original date.

g. You acknowledge that:-

i. You shall have no claim or recourse against any Third Party Content supplier nor any of our other Suppliers. You will not in any way hold us responsible for any selection or retention of, or the acts of omissions of Third Party Content suppliers or other Suppliers (including those with whom We have contracted to operate various aspects or parts of the Service) in connection with the Services (for the avoidance of doubt Landmark is not a Third Party Content supplier). Landmark does not promise that the supply of the Services will be uninterrupted or error free or provide any particular facilities or functions, or that the Content will always be complete, accurate, precise, free from defects of any other kind, computer viruses, software locks or other similar code although Landmark will use reasonable efforts to correct any inaccuracies within a reasonable period of them becoming known to us;

ii. Landmark's only obligation is to exercise the reasonable skill and care in providing environmental property risk information to persons acting in a professional or commercial capacity and You hereby acknowledge that You are such a person;

iii. no physical inspection of the Property Site reported on is carried out as part of any Services offered by Landmark and as such We do not warrant that all land uses or features whether past or current will be identified in the Services and the Services do not include any information relating to the actual state or condition of any Property Site nor should they be used or taken to indicate or exclude actual fitness or unfitness of a Property Site for any particular purpose nor should it be relied upon for determining saleability or value or used as a substitute for any physical investigation or inspection;

iv. You should carefully inspect the Property Site, and take any other advice that would be reasonably prudent to do prior to making any decision about the Property Site to which any Report or Service relates and not rely exclusively on the Report or any other Landmark Services in terms of valuing the Property Site;

v. Landmark will not be held liable in any way if a Report on residential property is used for commercial property or more than the one residential property for which it was ordered;

vi. the Services have not been prepared to meet Your or anyone else's individual requirements; that You assume the entire risk as to the suitability of the Services and waive any claim of detrimental reliance upon the same; and You confirm You are solely responsible for the selection or omission of any specific part of the Content;

vii. You shall be solely responsible for maintaining the confidentiality of Your passwords (including Your Designated Users' password(s)) and You will notify us immediately that You become aware of any unauthorised access to, use or copying of any part of Services or document or report derived or downloaded there from by anyone;

viii. You must observe and comply with all applicable regulations and legislation;

ix. We offer no warranty for the performance of any linked internet service not operated by Us;

x. You will on using the Services make a reasonable inspection of any results to satisfy Yourself that there are no defects or failures. In the event that there is a material defect You will notify us in writing of such defect within seven days of its discovery;

xi. without prejudice to any restrictions set out in these Terms, if in the course of Your business or otherwise You use for the benefit of or convey to any third party any part of the Website, Content, or Services You must make such third parties aware of the limitations, obligations and acknowledgements contained herein;

xii. any support or assistance provided to You in connection with these Terms is at Your risk;

xiii. the information contained in the Services has been extracted from various Crown Copyright and other published sources, and accordingly, Landmark does not accept any responsibility, and expressly disclaims all liability, for any errors, omissions or misstatements, or for any loss occasioned to any person acting, or refraining from action, as a result of, or in reliance upon, the information contained in these Services;

h. All liability for any insurance products purchased by You rests solely with the insurer. Landmark does not endorse any particular product or insurer and no information contained within the Services should be deemed to imply otherwise. You acknowledge that if You Order any such Insurance Landmark will deem such as Your consent to forward a copy of the Report to the insurers. Where such policy is purchased, all liability remains with the insurers and You are entirely responsible for ensuring that the insurance policy offered is suitable for Your needs and should seek independent advice. Landmark does not guarantee that an insurance policy will be available on a Property Site. All decisions with regard to the offer of insurance policies for any premises will be made solely at the discretion of the insurers and Landmark accepts no liability in this regard. The provision of a Report does not constitute any indication by Landmark that insurance will be available on the property.

i. If Landmark provides You with any additional service obtained from a third party, including but not limited to any professional opinion, interpretation or conclusion, risk assessment or environmental report or search carried out in relation to a Report on Your Property Site, Landmark will not be liable in any way for any information contained therein or any issues arising out of the provision of those additional services to You or Your Client. Landmark will be deemed to have acted as an agent in these circumstances and the supply of these additional services will be governed by the terms and conditions of those Third Parties.
For the avoidance of doubt, those parties providing assessments or professional opinions on Landmark products include RPS Plc & Wilbourn Associates Limited. Copies of their terms and conditions are available on request from Landmark.

j. Landmark has undertaken the Services for use only by the persons referred to at clause 3b and for no other purpose whatsoever and the Services should not be relied upon by any other third party. Landmark can accept no responsibility and will not be liable to any third party for any loss caused as a result of reliance upon the Services. Any third party relying on the Services does so entirely at its own risk, including without limitation any insurers referred to in this clause 6. Recipients of the Services are to rely on their own skill and judgment in determining the suitability of the Services for their own purpose and use and are advised to use the Services with caution and not base important business decisions solely on the same. Landmark Services are merely one of the tools available for the assessment of environmental, geological or other property or land-related risks and should be used in conjunction with other recognised methods of evaluation.

k. Time shall not be of the essence with respect to the provision of the Services.

7. Events Beyond Our Control

You acknowledge that Landmark shall not be liable for any delay, interruption or failure in the provision of the Services which are caused or contributed to by any circumstance which is outside our reasonable control including but not limited to, lack of power, telecommunications failure or overload, computer malfunction, inaccurate processing of data, or delays in receiving, loading or checking data, corruption of data whilst in the course of conversion, geo-coding, processing by computer in the course of electronic communication, or printing.

8. Severability

If any provision of these Terms are found by either a court or other competent authority to be void, invalid, illegal or unenforceable, that provision shall be deemed to be deleted from these Terms and never to have formed part of these Terms and the remaining provisions shall continue in full force and effect.

9. Governing Law

This Agreement shall be governed by and construed in accordance with English law and each party agrees irrevocably submit to the exclusive jurisdiction of the English courts as regards any claim or matter arising under this Agreement. If any dispute arises out of or in connection with this agreement (a "Dispute") the parties undertake that, prior to the commencement of Court proceedings, they will seek to have the Dispute resolved amicably by use of an alternative dispute resolution procedure acceptable to both parties with the assistance of the Centre for Dispute Resolution (CEDR) if required, by written notice initiating that procedure. If the Dispute has not been resolved to the satisfaction of either party within 60 days of initiation of the procedure or if either party fails or refuses to participate in or withdraws from participating in the procedure then either party may refer the Dispute to the Court.

10. Entire Agreement

a. These Terms, together with the prices and delivery details set out on our Websites and Your Order comprise the whole of our agreement relating to the supply of Services to You by Landmark. No prior stipulation, agreement, promotional material or statement whether written or oral made by any sales or other person or representative on our behalf should be understood as a variation of these Terms or as an authorised representation about the nature or quality of any Services offered for sale by us. Save for fraud or misrepresentation, Landmark shall have no liability for any such representation being untrue or misleading.

b. These Terms shall prevail at all times to the exclusion of all other terms and conditions including any terms and conditions which You may purport to apply even if such other provisions are submitted in a later document or purport to exclude or override these Terms and neither the course of conduct between parties nor trade practice shall act to modify these Terms.

11. General

a. You shall not without our prior written consent assign, or transfer in any way the benefit of these Terms in whole or in part or any of Your obligations under these Terms save as provided by Clause 3.b. Your right to use the Services, operate Your Account or to designate users is not transferable

b. Landmark may assign its rights and obligations under these Terms without prior notice or any limitation.

c. We may authorise or allow our contractors and other third parties to provide to Us and/or to You services necessary or related to the Services and to perform Our obligations and exercise Our rights under these Terms, which may include collecting payment on Our behalf.

d. No waiver on our part to exercise, and no delay in exercising, any right, power or provision hereunder shall operate as a waiver thereof, nor shall any single or partial exercise of any right, power or provision hereunder preclude the exercise of that or any other right, power or provision.

e. References in these Terms to any legislation shall be construed as references to the same as amended or re-enacted from time to time and shall include subordinate legislation or regulations.

f. Unless otherwise stated in these Terms, all notices from You to Landmark must be in writing and sent to the Landmark registered office (or in the case of an Authorised Reseller, to its registered office address) and all notices from Us to You will be displayed on our Websites from time to time.

g. A person who is not a party to any contract made pursuant to these Terms shall have no right under the Contract (Right of Third Parties) Act 1999 to enforce any terms of such contract and Landmark shall not be liable to any such third party in respect of any Services supplied.

h. Landmark reserves the right to monitor or record telephone calls for training purposes.

© Landmark Information Group Limited

Version 5.02 24 Jun 2005

Envirocheck®
A Landmark® product

Envirocheck® Report:

Historical Map List

Report on:

Green Road
Dodworth
Barnsley
South YorkshireS75 3SU

National Grid Reference :

431430, 404990

Prepared For :

Sirius Geotechnical & Environmental
551991
Suite 3 Bowcliffe Grange
Bowcliffe Hall Estate
LeedsLS23 6LP

Your Reference

MR R Howells,C1185/JMc

© Landmark Information Group Limited 2005. The Copyright on the information and data and its format as contained in this Envirocheck® Report ("Report") is the property of Landmark Information Group Limited ("Landmark") and several other Data Providers, including (but not limited to) Ordnance Survey, British Geological Survey, the Environment Agency and English Nature, and must not be reproduced in whole or in part by photocopying or any other method. The Report is supplied under Landmark's Terms and Conditions accepted by the Customer. Additional copies may be obtained from Landmark, subject to Landmark's charges in force from time to time. The Copyright, design rights and any other intellectual rights shall remain the exclusive property of Landmark and /or other Data providers, whose Copyright material has been included in this Report.

Ordnance Survey County Series Published 1893 (1)

County	Mapsheet	Scale	Year
Yorkshire	274_10	1:2,500	1893

Ordnance Survey County Series Published 1906 (2)

County	Mapsheet	Scale	Year
Yorkshire	274_10	1:2,500	1906

Ordnance Survey County Series Published 1931 (3)

County	Mapsheet	Scale	Year
Yorkshire	274_10	1:2,500	1931

Ordnance Survey Plan Published 1962 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3104	1:2,500	1962
Ordnance Survey Plan	SE3105	1:2,500	1962

Ordnance Survey Plan Published 1971 (2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3105	1:2,500	1971

Ordnance Survey Plan Published 1979 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3104NE	1:1,250	1979
Ordnance Survey Plan	SE3105SE	1:1,250	1979
Ordnance Survey Plan	SE3105SW	1:1,250	1979

Additional SIMs Published 1985 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3104	1:2,500	1985

Additional SIMs Published 1988 (2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3104	1:2,500	1988

Additional SIMs Published 1990 to 1991 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3105SE	1:1,250	1990
Ordnance Survey Plan	SE3105SW	1:1,250	1991

Additional SIMs Published 1991 (2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3105SE	1:1,250	1991

Large-Scale National Grid Data Published 1993 to 1995 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3104NE	1:1,250	1993
Ordnance Survey Plan	SE3104NW	1:1,250	1993
Ordnance Survey Plan	SE3105SE	1:1,250	1993
Ordnance Survey Plan	SE3105SW	1:1,250	1995

Large-Scale National Grid Data Published 1993 (2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3105SE	1:1,250	1993

Large-Scale National Grid Data Published 1994 (3)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE3105SE	1:1,250	1994

Ordnance Survey County Series Published 1855 (1)

County	Mapsheet	Scale	Year
Yorkshire	274_00	1:10,560	1855

Ordnance Survey County Series Published 1891 to 1894 (2)

County	Mapsheet	Scale	Year
Yorkshire	274_NE	1:10,560	1894
Yorkshire	274_NW	1:10,560	1891
Yorkshire	274_SE	1:10,560	1894
Yorkshire	274_SW	1:10,560	1894

Ordnance Survey County Series Published 1907 (3)

County	Mapsheet	Scale	Year
Yorkshire	274_NE	1:10,560	1907
Yorkshire	274_NW	1:10,560	1907
Yorkshire	274_SE	1:10,560	1907
Yorkshire	274_SW	1:10,560	1907

Ordnance Survey County Series Published 1938 (4)

County	Mapsheet	Scale	Year
Yorkshire	274_NE	1:10,560	1938
Yorkshire	274_NW	1:10,560	1938
Yorkshire	274_SE	1:10,560	1938
Yorkshire	274_SW	1:10,560	1938

Ordnance Survey Plan Published 1956 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE30NW	1:10,560	1956
Ordnance Survey Plan	SE30SW	1:10,560	1956

Ordnance Survey Plan Published 1965 to 1966 (2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE30NW	1:10,560	1966
Ordnance Survey Plan	SE30SW	1:10,560	1965

Ordnance Survey Plan Published 1973 to 1978 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE30NW	1:10,000	1973
Ordnance Survey Plan	SE30SW	1:10,000	1978

Ordnance Survey Plan Published 1983 (2)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE30NW	1:10,000	1983

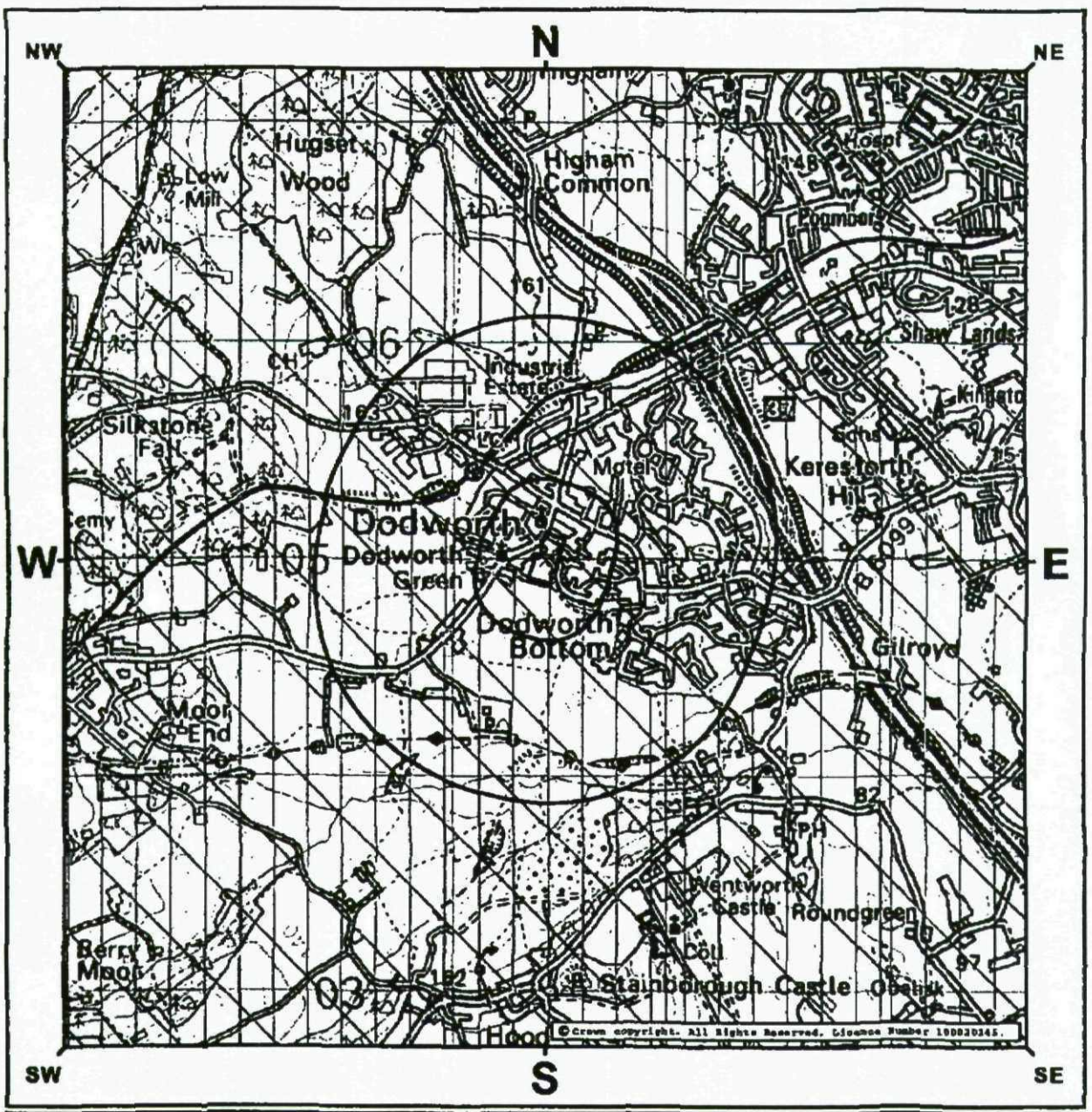
Ordnance Survey Plan Published 1978 to 1993 (3)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE30NW	1:10,000	1993
Ordnance Survey Plan	SE30SW	1:10,000	1978

10K Raster Mapping Published 2000 (1)

National Grid Series	Mapsheet	Scale	Year
Ordnance Survey Plan	SE30NW	1:10,000	2000
Ordnance Survey Plan	SE30SW	1:10,000	2000

Currently we do not have agreement with Ordnance Survey to provide Large Scale National Grid Data from 1996 onwards.



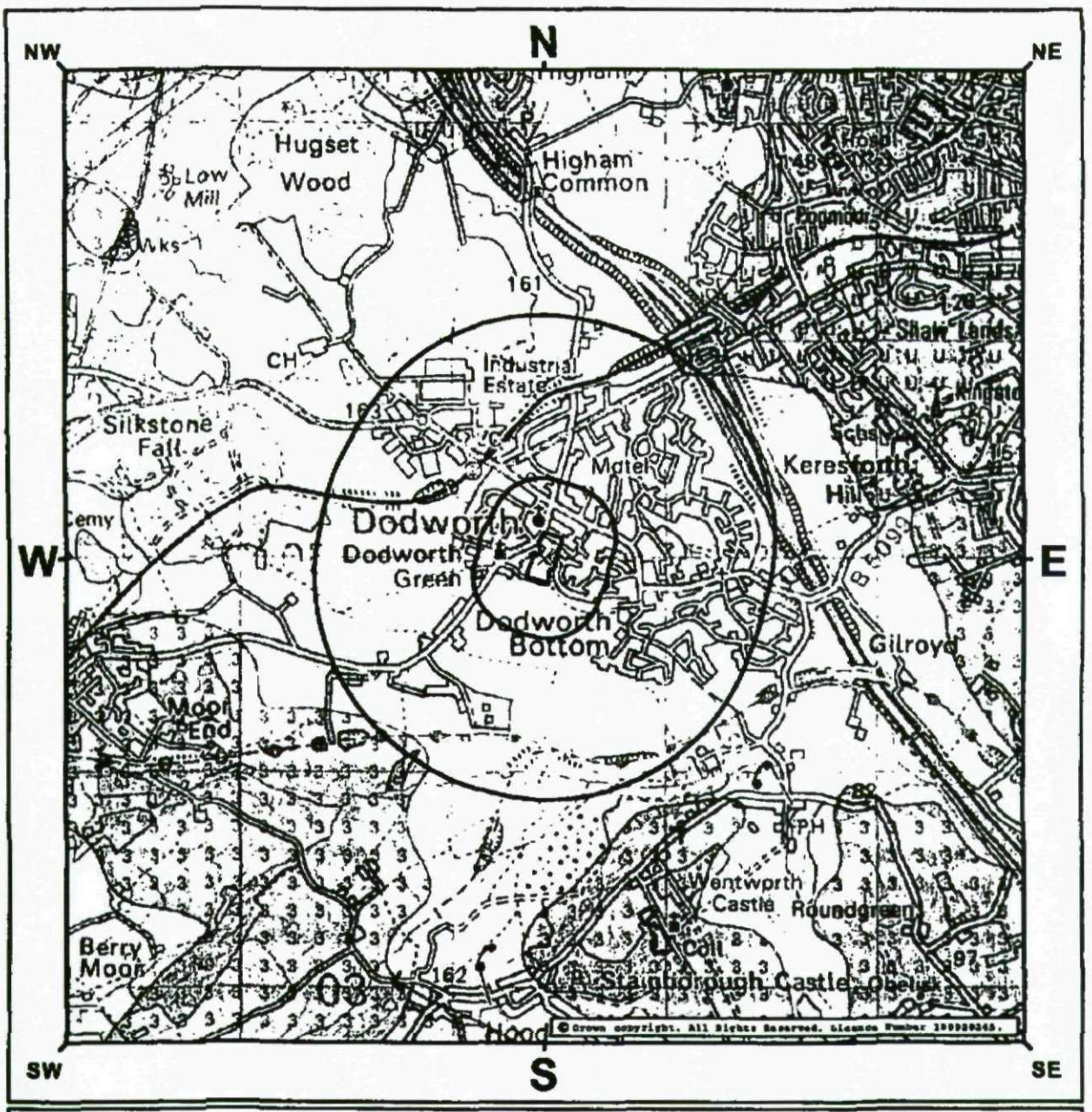
KEY

General

- Specified Site
- Bearing Reference Point
- Buffer

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 Nature Reserve
- National Park
- National Scenic Area
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area



KEY

General

- Specified Site
- Bearing Reference Point
- Buffer

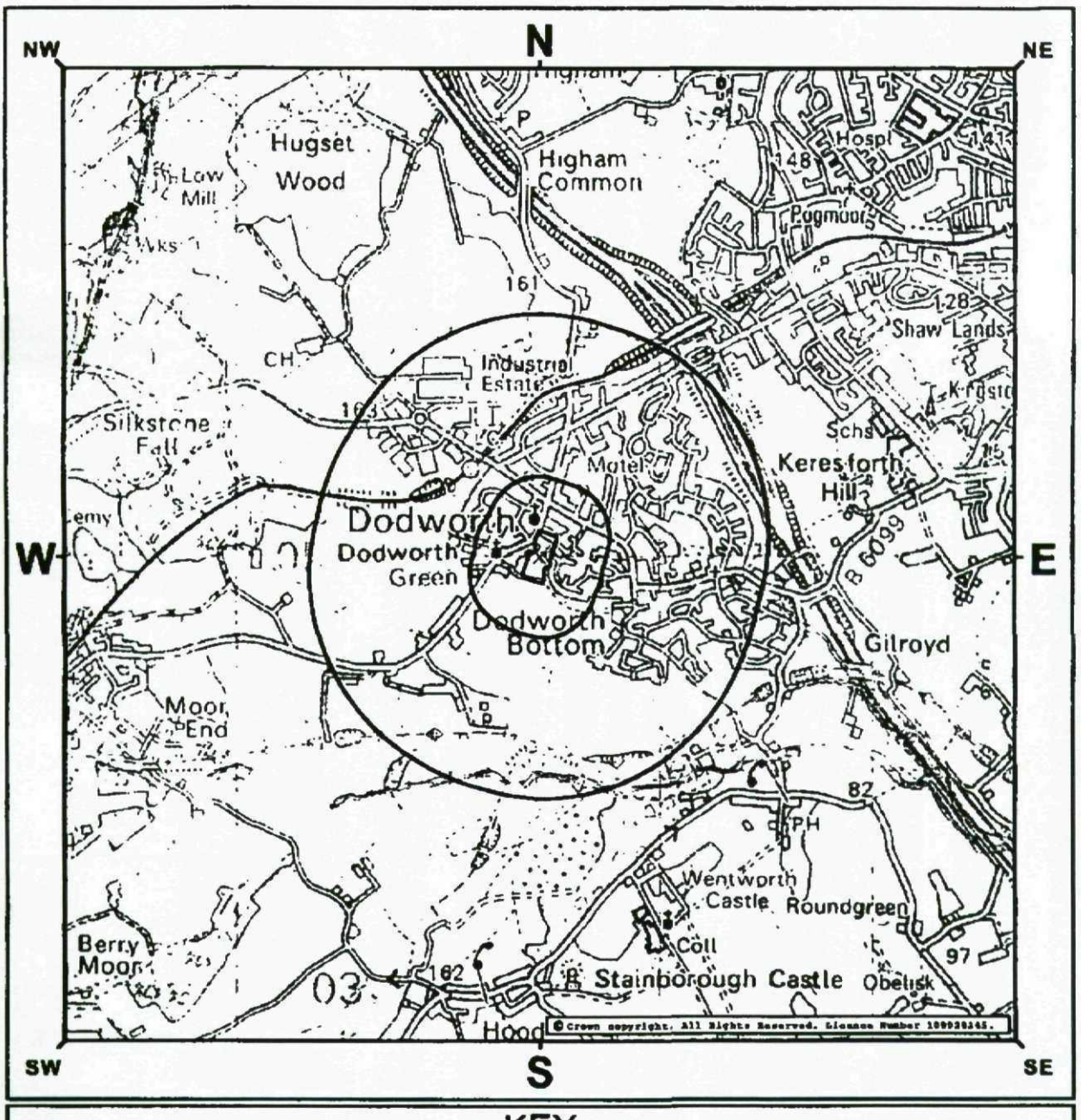
Groundwater Vulnerability

Geological Classes

- Major Aquifer (High Permeable)
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Minor Aquifer (Variable Permeable)
  - High (H) 1, 2, 3, U
  - Intermediate (I) 1, 2
  - Low
- Non Aquifer (Negligibly Permeable)

Soil Classes

- Drift Deposit



KEY

General

- Specified Site
- Bearing Reference Point
- Buffer

Agency & Hydrological

Environment Agency

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



Envirocheck®

A Landmark® product

CLIENT DETAILS — **Envirocheck Order No. EC158331711_1_1**

Customer Ref: MR R Howells,C1150/Site
Stirlee Geotechnical & Environmental
Suite 3 Devcliffe Grange Rawcliffe Hall Estate
Leeds
LS28 6LP

SITE DETAILS — **Grid Reference 431430 404990**

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

KEY TO THE LEGEND DATABASE

General

- Specified Site
- Bearing Reference Point
- Buffer (250m)
- Reference Number
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Point Location of Contaminated Land Register Entry or Notice
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement Or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Pollution Incident to Controlled Waters
- Substantiated Pollution Incident Register
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Water Abstraction
- Water Industry Act Referral

Waste

- Point Location of BGS Recorded Landfill Site
- BGS Recorded Landfill Site
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management *Facilities (Landfill Boundary)*
- Licensed Waste Management Facility (Location)
- Point Location of Local Authority Recorded Landfill Site
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Point Location of Registered Waste Transfer Site
- Registered Waste Transfer Site
- Point Location of Registered Waste Treatment or Disposal Site
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- *Planning Hazardous Substance Enforcement*

Geological

- BGS Borehole
- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- *Fuel Station Entry*

Environment Agency · British Geological Survey · OS Ordnance Survey® Licensed Partner

Produced by Landmark Information Group Limited. Tel: 0870 850 0870 Fax: 0870 850 0871



Envirocheck

A Landmark® product

CLIENT DETAILS

Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1186/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS

Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3BU

KEY TO THE LEGEND DATABASE

General

- Specified Site
- Bearing Reference Point
- Buffer (250m)
- Reference Number
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Local Authority Pollution Provention and Control
- Local Authority Pollution Provention and Control Enforcement
- Point Location of Contaminated Land Register Entry or Notice
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement Or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Pollution Incident to Controlled Waters
- Substantiated Pollution Incident Register
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Water Abstraction
- Water Industry Act Referral

Waste

- Point Location of BGS Recorded Landfill Site
- BGS Recorded Landfill Site
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facilities (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Point Location of Local Authority Recorded Landfill Site
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Point Location of Registered Waste Transfer Site
- Registered Waste Transfer Site
- Point Location of Registered Waste Treatment or Disposal Site
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

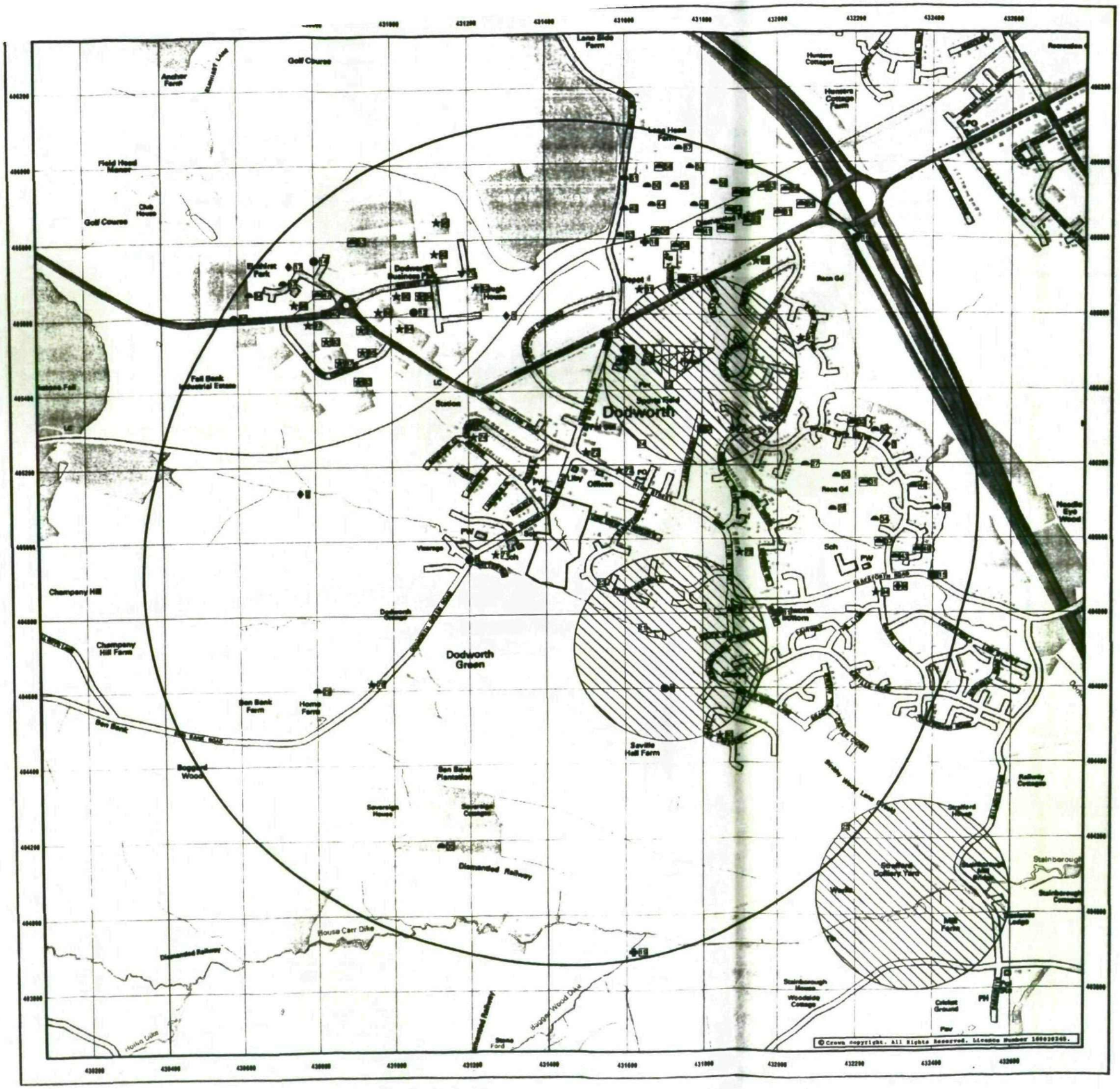
- BGS Borehole
- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Environment Agency · British Geological Survey · Ordnance Survey® Licensed Partner

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®

A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

KEY TO THE LEGEND DATABASE

General

- Specified Site
- Bearing Reference Point
- Buffer (1000m)
- Reference Number
- Several of Type at Location

Agency and Hydrological

- Local Authority Pollution Provention and Control
- Local Authority Pollution Provention and Control Enforcement
- Point Location of Contaminated Land Register Entry or Notice
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement Or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Pollution Incident to Controlled Waters
- Substantiated Pollution Incident Register
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Quality Sampling Point
- Water Abstraction
- Water Industry Act Referral

Waste

- Point Location of BGS Recorded Landfill Site
- BGS Recorded Landfill Site
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facilities (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Point Location of Local Authority Recorded Landfill Site
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Point Location of Registered Waste Transfer Site
- Registered Waste Transfer Site
- Point Location of Registered Waste Treatment or Disposal Site
- Registered Waste Treatment or Disposal Site

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Geological

- BGS Borehole
- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry

Environment Agency · British Geological Survey · Ordnance Survey Licensed Partner

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1188/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road
Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

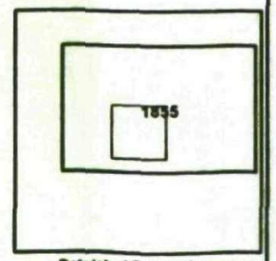
Quarry
Shingle
Railway over Road
Road over Railway
Gravel Pit
Sand Pit
Level Crossing
Railway over River
Other Pits
Road over Stream
Road over Stream
Rough Pasture
Furze
Road over River or Canal
Marsh
Reeds
Sunken Road
Raised Road
Osiers
Instrumental Contour
Arrow denotes flow of Water
Sketched Contour

Ordnance Survey County Series 1

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 on the right therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1978, 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.

YORKSHIRE
Published 1855
Source map scale - 1:10,560

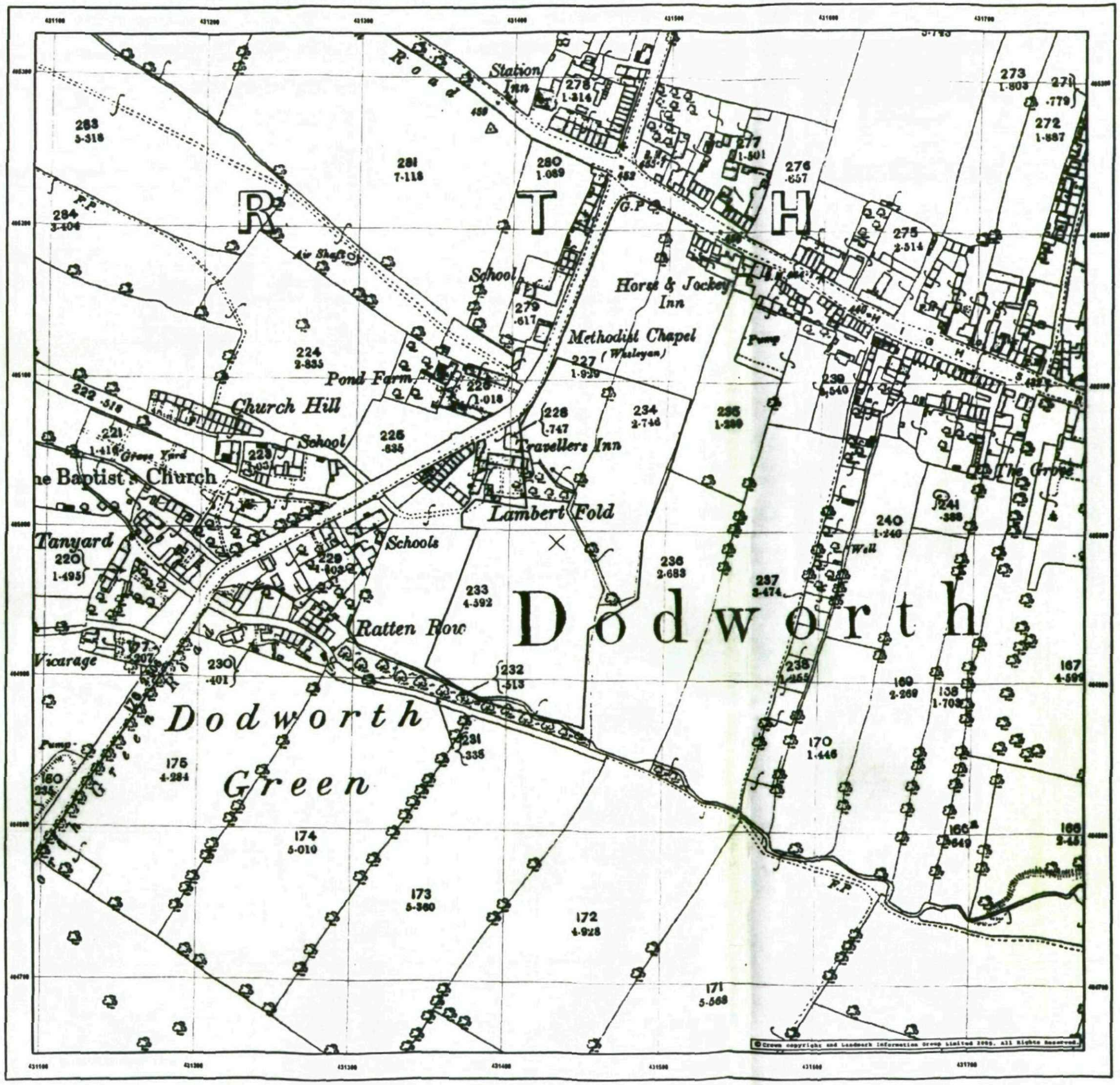


Date(s) of Publication 14 of 33

Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 0670 Fax: 0870 850 0671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JNo
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

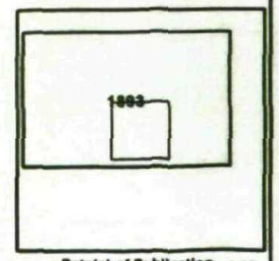
Historical Map Legend

Quarry
Sand Pit
Marsh
Reeds
Gravel Pit
Clay Pit
Rough Pasture
Furze
Refuse Heap
Shingle
Osiers
Ford
Railway crossing River or Canal
Railway crossing Road
Level Crossing
Embankment
Cutting
Road crossing Railway
Road over single Stream
Road over River or Canal
Arrow denotes flow of Water

Ordnance Survey County Series 1

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given on the right is often some years later than the surveyed date. Before 1935, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

YORKSHIRE
Published 1893
Source map scale - 1:2,500

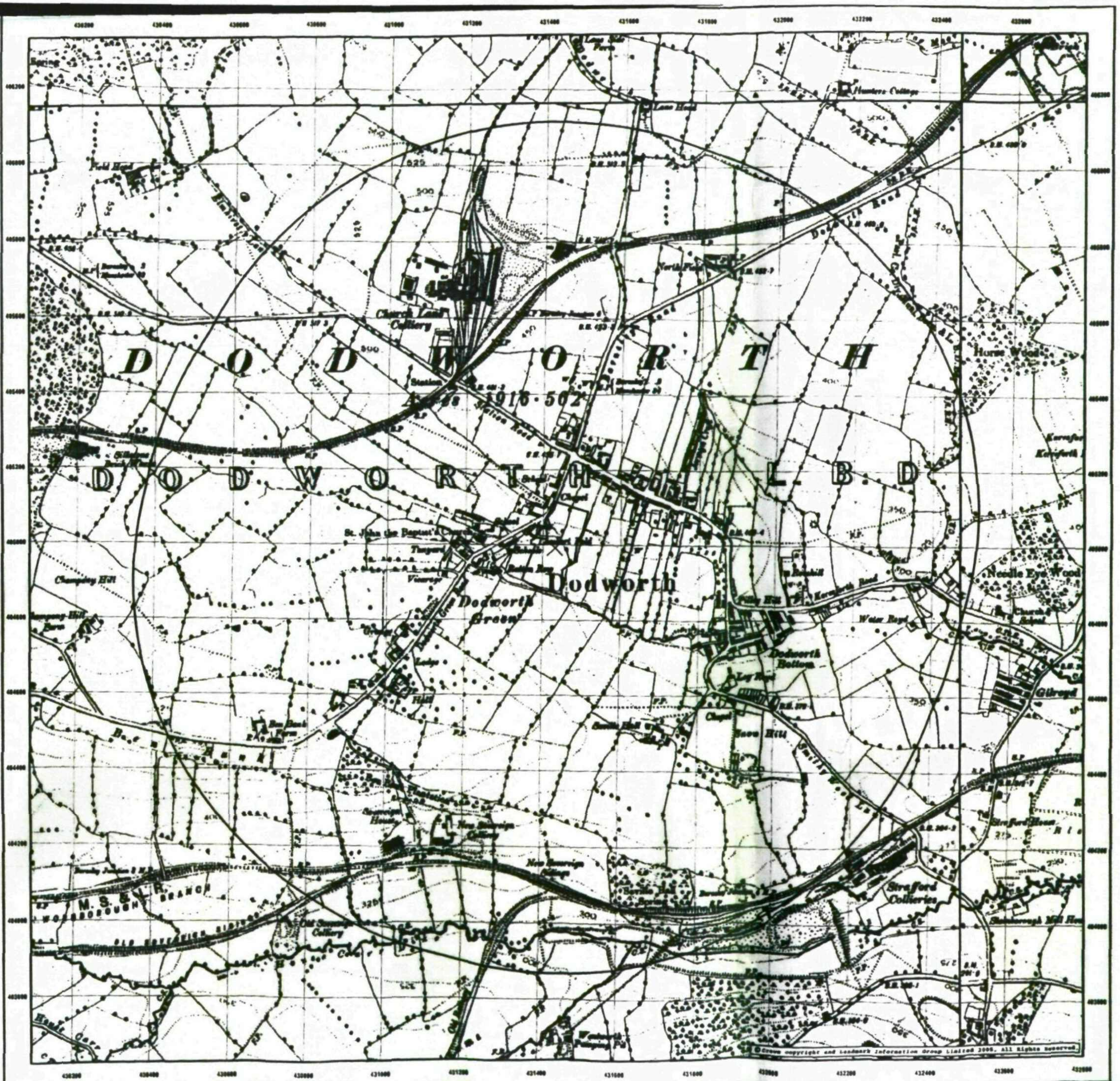


Date(s) of Publication 1 of 23

OS Ordnance Survey® Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 0670 Fax: 0870 850 0671



Envirocheck®

A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMe
Sirius Geotechnical & Environmental
Suite 1 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

Quarry · Shingle · Railway over Road · Road over Railway
Gravel Pit · Sand Pit · Level Crossing · Railway over River
Other Pits · Road over Stream · Road over Stream
Rough Pasture · Furze · Road over River or Canal
Marsh · Reeds · Sunken Road · Raised Road
Osiers · Instrumental Contour
Arrow denotes flow of Water · Sketched Contour

Ordnance Survey County Series 2

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 on the right therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

YORKSHIRE
Published 1891 to 1894
Source map scale - 1:10,560

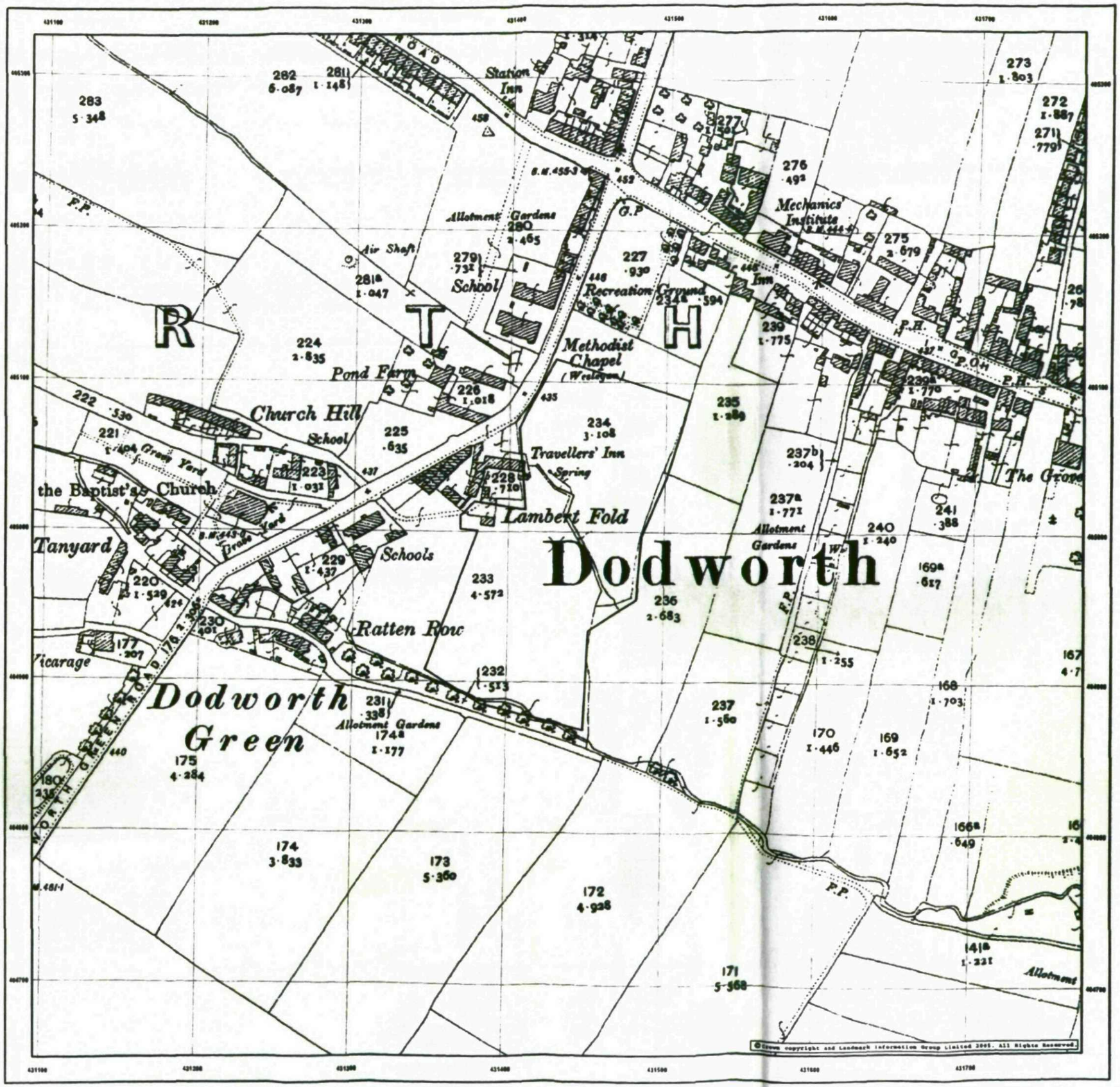
1891	1894
1894	1894

Date(s) of Publication

Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1165/JMc
Sirius Geotechnical & Environmental
Suite 3 Bewcliffe Grange Bewcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

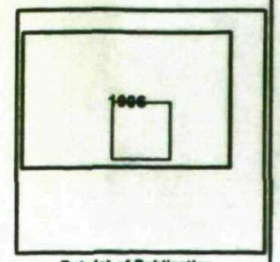
Historical Map Legend

Quarry
Sand Pit
Marsh
Reeds
Gravel Pit
Clay Pit
Rough Pasture
Furze
Refuse Heap
Shingle
Osiers
Ford
Railway crossing River or Canal
Railway crossing Road
Level Crossing
Embankment
Cutting
Road crossing Railway
Road over single Stream
Road over River or Canal
Arrow denotes flow of Water

Ordnance Survey County Series 2

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given on the right is often some years later than the surveyed date. Before 1930, 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.

YORKSHIRE
Published 1906
Source map scale - 1:2,500



Date(s) of Publication

Ordnance Survey Licensed Partner
LANDMARK Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 0670 Fax: 0870 850 0671



Envirocheck®

A Landmark® product

CLIENT DETAILS — Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMo
Sirius Geotechnical & Environmental
Suite 3 Bewcliffe Grange Bewcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS — Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

- Quarry
- Shingle
- Railway over Road
- Road over Railway
- Gravel Pit
- Sand Pit
- Level Crossing
- Railway over River
- Other Pits
- Road over Stream
- Road over Stream
- Rough Pasture
- Furze
- Road over River or Canal
- Marsh
- Reeds
- Sunken Road
- Raised Road
- Osiers
- Instrumental Contour
- Arrow denotes flow of Water
- Sketched Contour

Ordnance Survey County Series 3

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 on the right therefore is often some years later than the surveyed date. Before 1855, 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 overprinted with the National Grid. In 1875, 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.

YORKSHIRE
Published 1907
Source map scale - 1:10,560

1907	1907
1907	1907

Date(s) of Publication 10 of 33

Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

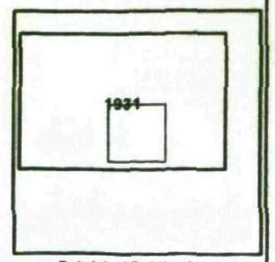
Historical Map Legend

Quarry
Sand Pit
Marsh
Reeds
Gravel Pit
Clay Pit
Rough Pasture
Furze
Refuse Heap
Shingle
Osiers
Ford
Railway crossing River or Canal
Railway crossing Road
Level Crossing
Embankment
Cutting
Road crossing Railway
Road over single Stream
Road over River or Canal
Arrow denotes flow of Water

Ordnance Survey County Series 3

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 1890 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given on the right is often some years later than the surveyed date. Before 1936, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

YORKSHIRE
Published 1931
Source map scale - 1:2,500



Date(s) of Publication 3 of 33

Ordnance Survey Licensed Partner
LANDMARK®



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1165/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

Quarry
Shingle
Railway over Road
Road over Railway
Gravel Pit
Sand Pit
Level Crossing
Railway over River
Other Pits
Road over Stream
Road over Stream
Rough Pasture
Furze
Road over River or Canal
Marsh
Reeds
Sunken Road
Raised Road
Osiers
Instrumental Contour
Arrow denotes flow of Water
Sketched Contour

Ordnance Survey County Series 4

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 on the right therefore is often some years later than the surveyed date. Before 1855, 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 satching 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.

YORKSHIRE
Published 1938
Source map scale - 1:10,560

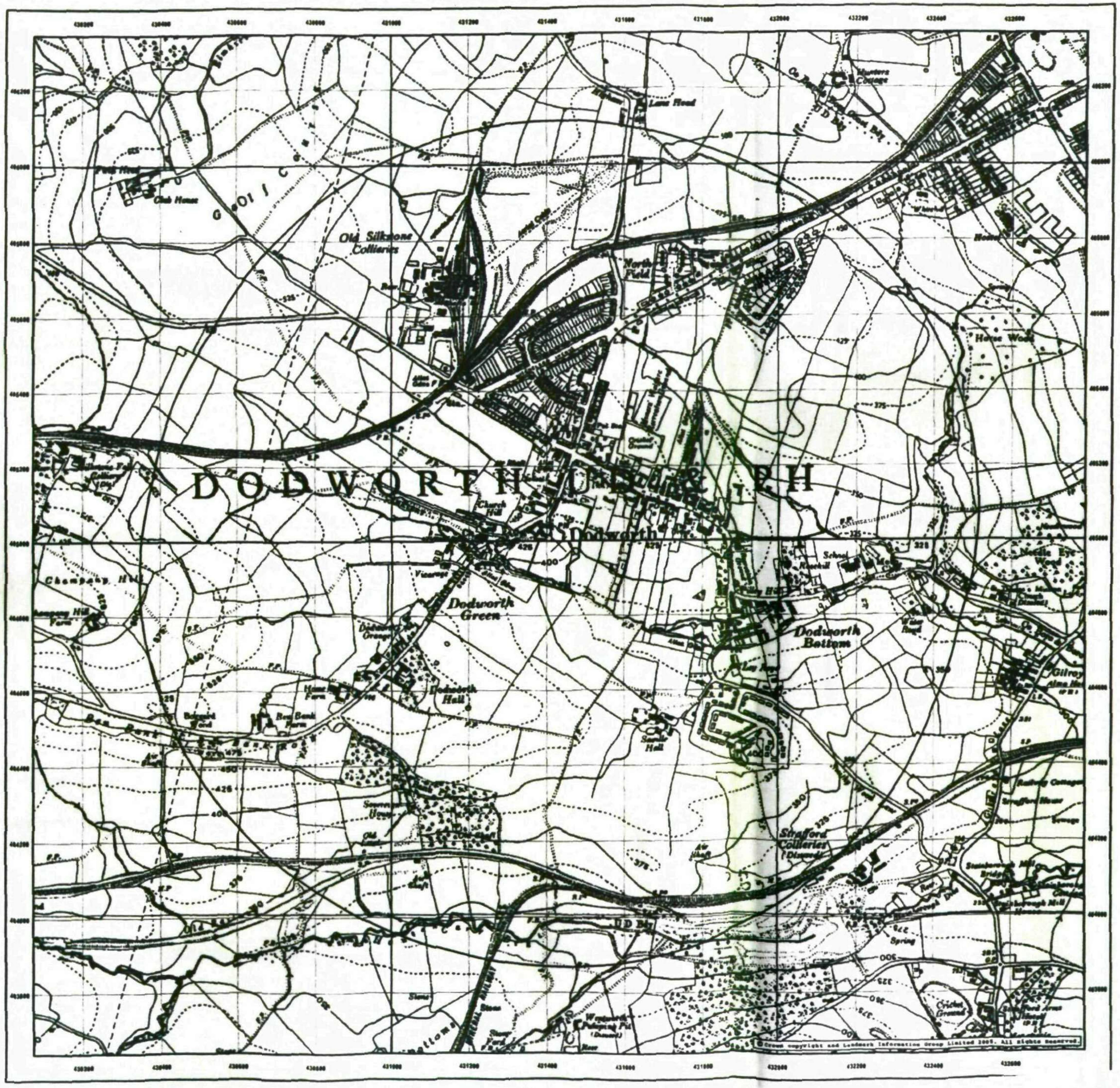
1938 1938
1938 1938

Date(s) of Publication

OS Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6575



© Crown copyright and Landmark Information Group Limited 2005. All Rights Reserved.

Envirocheck®

A Landmark® product

CLIENT DETAILS — Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Newells,C1166/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS — Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

- Chalk Pit, Clay Pit, or Quarry
- Non-coniferous Trees
- Bracken
- Gravel Pit
- Coniferous Trees
- Heath
- Sand Pit
- Scrub
- Rough Grassland
- Lake, Loch or Pond
- Disused Pit or Quarry
- Pylon
- Electricity Transmission Line
- Pole
- Reeds
- Refuse or Slag Heap
- Saltings
- Direction of Flow of Water
- Shingle
- Sand
- Marsh
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Road "IT" Under
- Road Over
- Level Crossing
- Foot Bridge
- Standard Gauge Single Track
- Siding, Tramway or Mineral Line
- Narrow Gauge

Ordnance Survey Plan 1

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 on the right therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

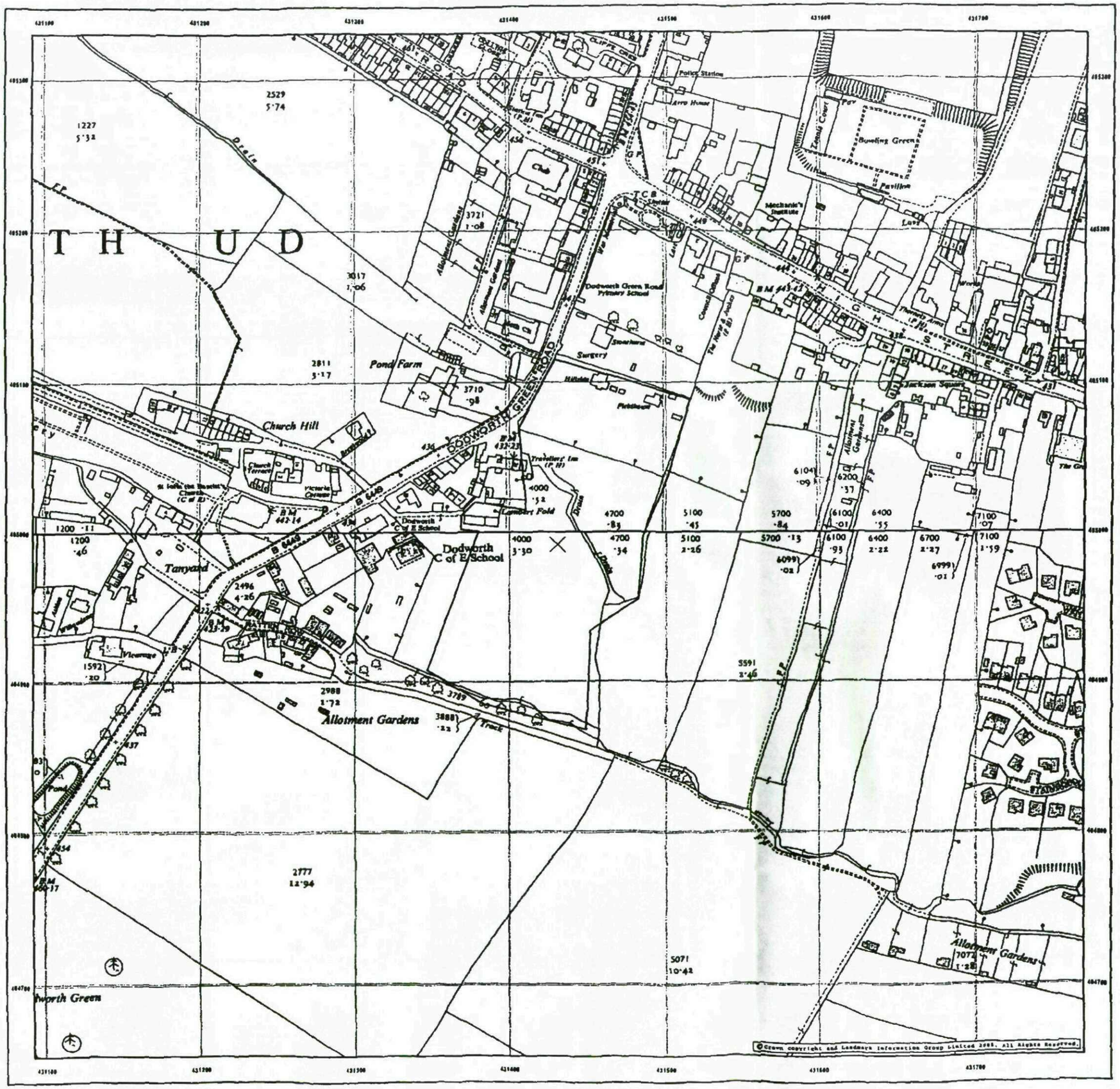
In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

ORDNANCE SURVEY PLAN
Published 1956
Source map scale - 1:10,560

1956
1956

Date(s) of Publication [illegible]

Ordnance Survey Licensed Partner — LANDMARK Information Group



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells.C1185/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Culvert
Slope
Slope
Pylon
Electricity Transmission Line
Direction of Water flow
Coppice, Osier
Marsh
Saltings
Orchard Tree
Reeds
Rough Grassland
Scrub
Heath
Bracken
Coniferous Tree (Surveyed)
Coniferous Tree (Not Surveyed)
Non-coniferous Tree (Surveyed)
Non-coniferous Tree (Not Surveyed)

Ordnance Survey Plan

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 1:1,500 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 on the right 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.

ORDNANCE SURVEY PLAN
Published 1962
Source map scale - 1:2,500

1962
1962

Date(s) of Publication

Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®

A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

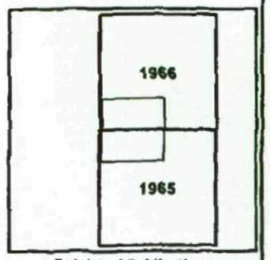
Chalk Pit, Clay Pit, or Quarry
Non-coniferous Trees
Bracken
Gravel Pit
Coniferous Trees
Heath
Sand Pit
Scrub
Rough Grassland
Lake, Loch or Pond
Disused Pit or Quarry
Pylon
Electricity Transmission Line
Reeds
Refuse or Slag Heap
Pole
Saltings
Direction of Flow of Water
Marsh
Shingle
Sand
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge

Ordnance Survey Plan 2

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 1:1,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given on the right therefore is often some years later than the surveyed date. Before 1855, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

ORDNANCE SURVEY PLAN
Published 1965 to 1966
Source map scale - 1:10,560

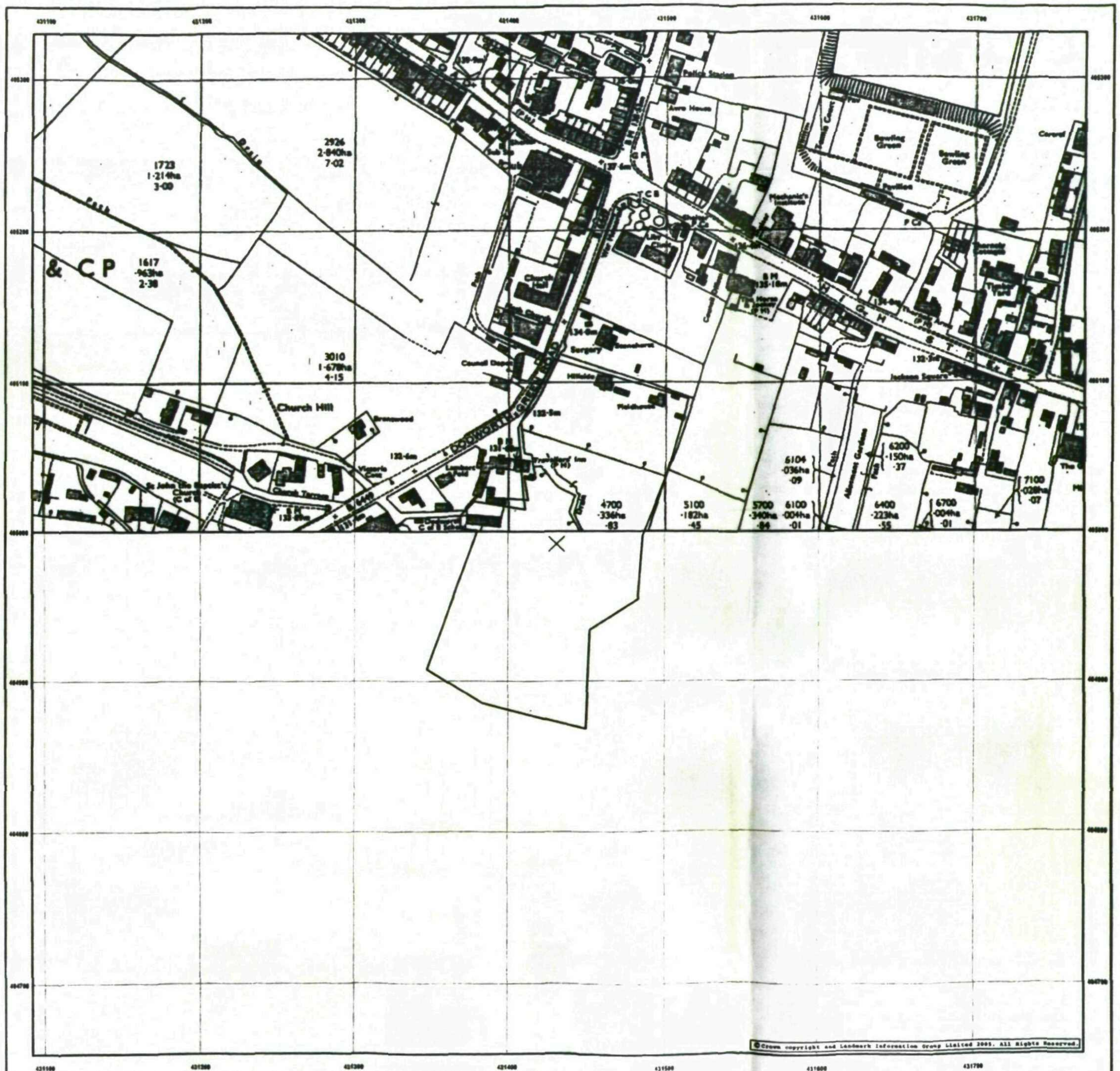


Date(s) of Publication

Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



©Crown copyright and Landmark Information Group Limited 2005. All Rights Reserved.

Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1165/JMe
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

Inactive Quarry, Chalk Pit or Clay Pit	Active Quarry, Chalk Pit or Clay Pit		Culvert
Slope		Slope	
Pylon	Electricity Transmission Line	Direction of Water flow	Coppice, Osier
Marsh	Saltings	Orchard Tree	Reeds
Rough Grassland	Scrub	Heath	Bracken
Coniferous Tree (Surveyed)	Coniferous Tree (Not Surveyed)	Non-coniferous Tree (Surveyed)	Non-coniferous Tree (Not Surveyed)

Ordnance Survey Plan 2

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given on the right 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.

ORDNANCE SURVEY PLAN
Published 1971
Source map scale - 1:2,500

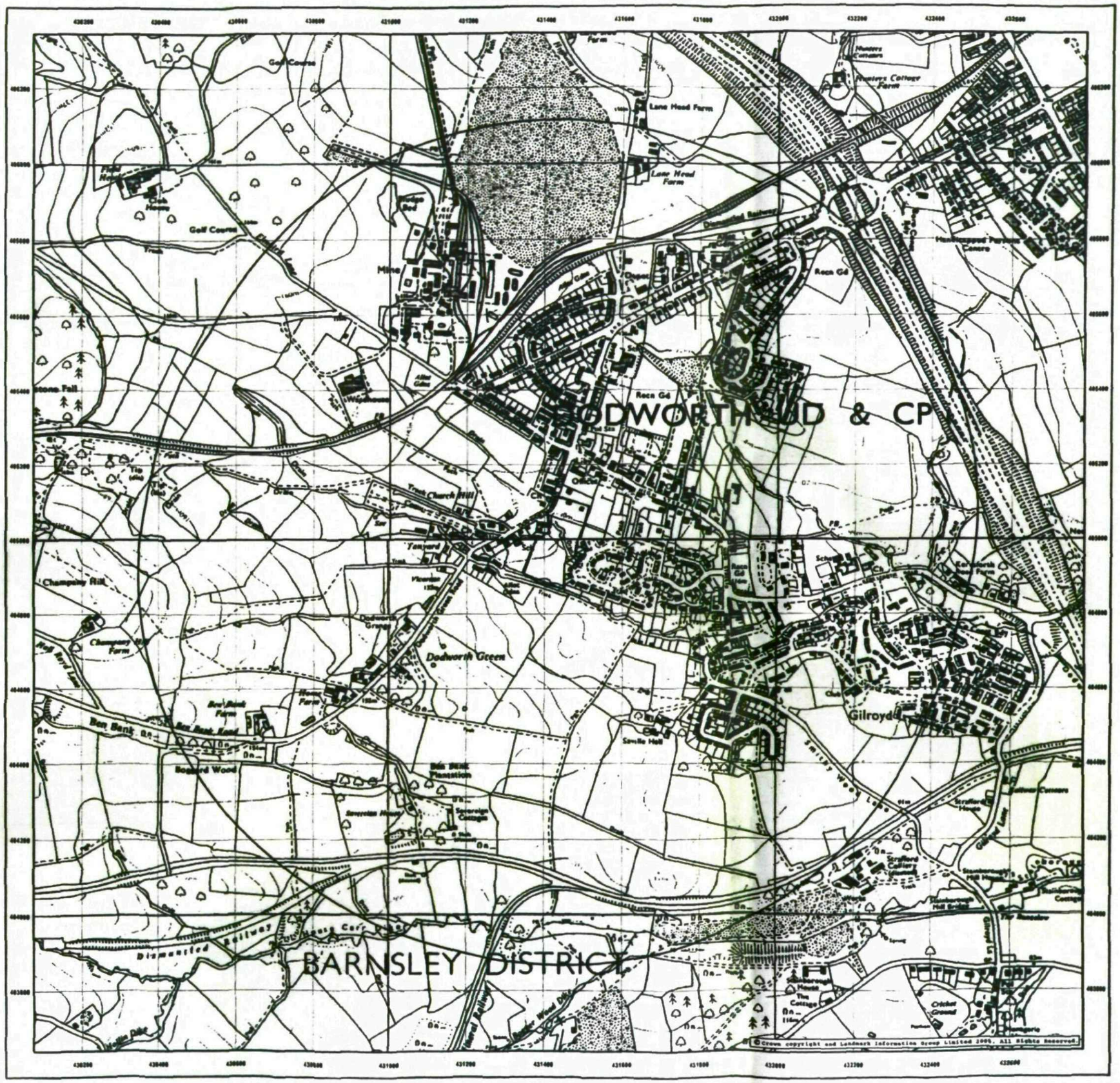
1971

Date(s) of Publication

Ordnance Survey® Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1165/JMo
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

- Chalk Pit, Clay Pit, or Quarry
- Non-coniferous Trees
- Bracken
- Gravel Pit
- Coniferous Trees
- Heath
- Sand Pit
- Scrub
- Rough Grassland
- Lake, Loch or Pond
- Disused Pit or Quarry
- Pylon
- Reeds
- Electricity Transmission Line
- Refuse or Slag Heap
- Pole
- Saltings
- Direction of Flow of Water
- Marsh
- Shingle
- Sand
- Cutting
- Embankment
- Standard Gauge Multiple Track
- Standard Gauge SingleTrack
- Road Under
- Road Over
- Level Crossing
- Foot Bridge
- Siding, Tramway or Mineral Line
- Narrow Gauge

Ordnance Survey Plan 1

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 on the right therefore is often some years later than the surveyed date. Before 1855, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

ORDNANCE SURVEY PLAN
Published 1973 to 1978
Source map scale - 1:10,000

1973
1978

Date(s) of Publication

Ordnance Survey Licensed Partner

LANDMARK Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Hewson,C1155/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

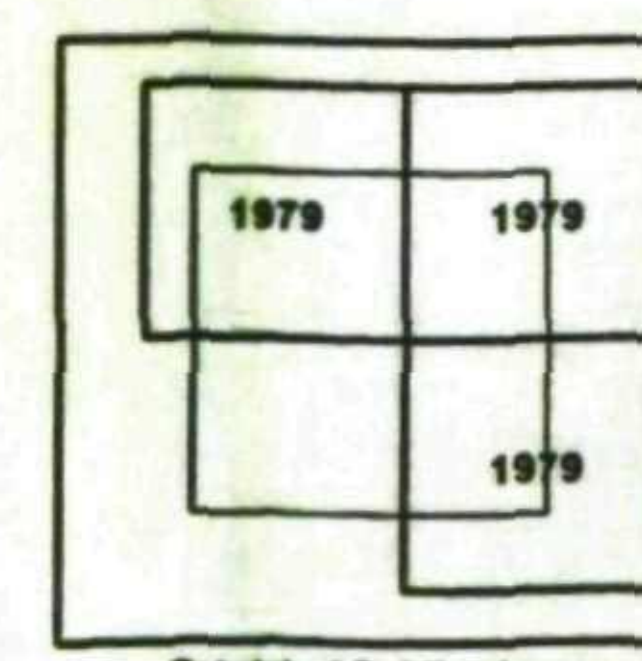
Historical Map Legend

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Culvert
Slope
Slope
Pylon
Electricity Transmission Line
Direction of Water flow
Coppice, Osier
Marsh
Saltings
Orchard Tree
Reeds
Rough Grassland
Scrub
Heath
Bracken
Coniferous Tree (Surveyed)
Coniferous Tree (Not Surveyed)
Non-coniferous Tree (Surveyed)
Non-coniferous Tree (Not Surveyed)

Ordnance Survey Plan 1

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given on the right 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.

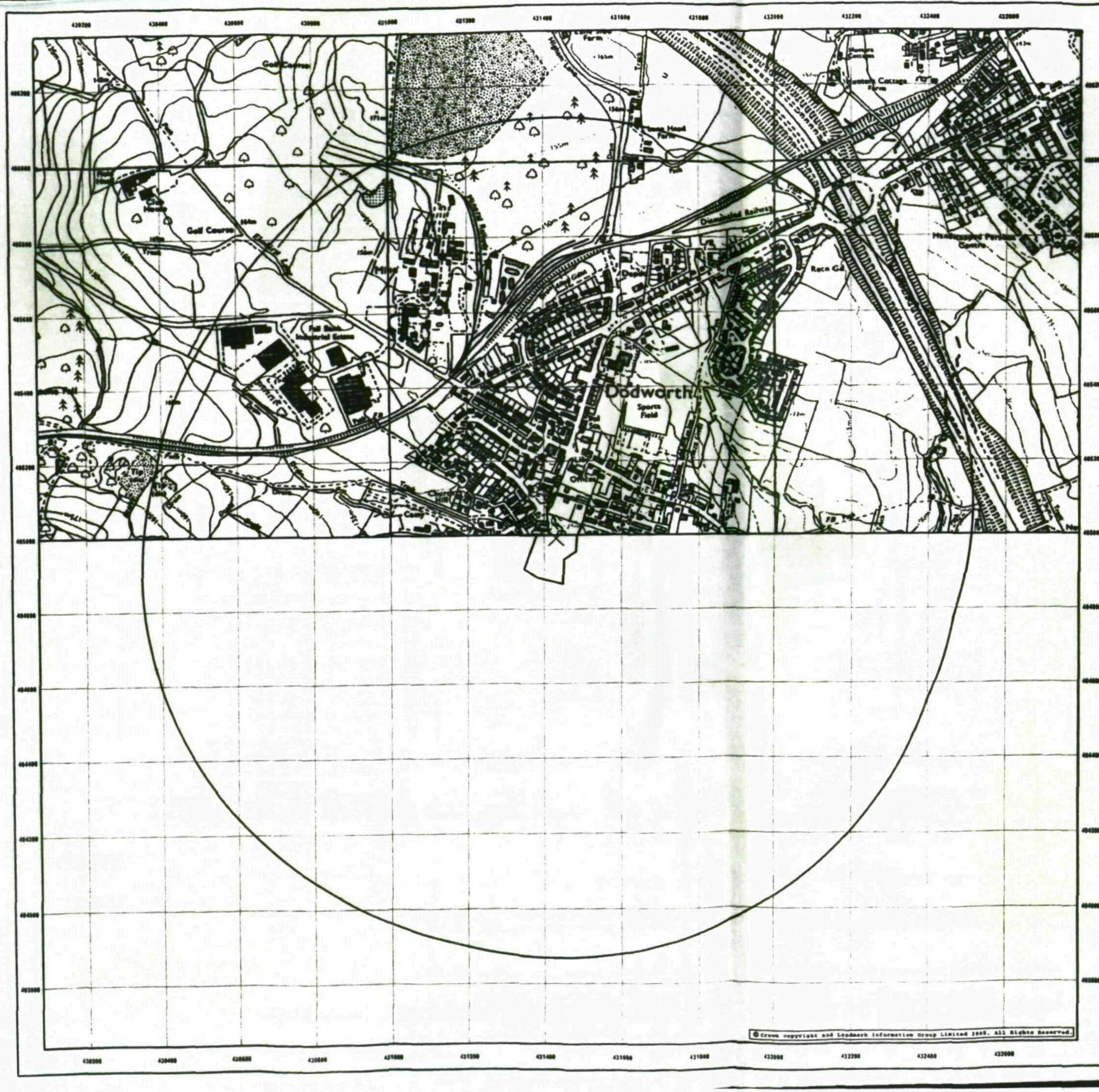
ORDNANCE SURVEY PLAN
Published 1979
Source map scale - 1:1,250



Date(s) of Publication 6 of 23

Ordnance Survey Licensed Partner
LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



© Crown copyright and Landmark Information Group Limited 2005. All Rights Reserved.

Envirocheck®

A Landmark® product

CLIENT DETAILS — Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS — Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

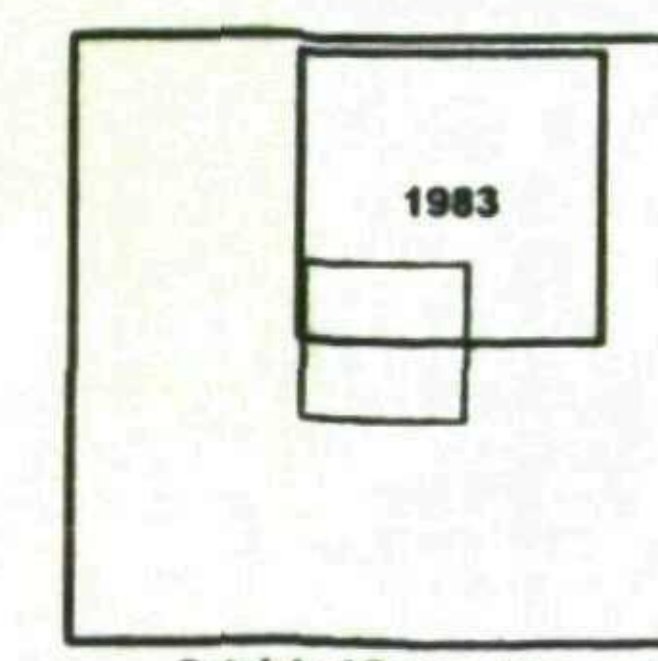
Chalk Pit, Clay Pit, or Quarry — Non-coniferous Trees — Bracken
Gravel Pit — Coniferous Trees — Heath
Sand Pit — Scrub — Rough Grassland
Lake, Loch or Pond
Disused Pit or Quarry — Pylon — Electricity Transmission Line — Pole — Reeds
Refuse or Slag Heap — Saltings
Direction of Flow of Water — Shingle — Sand — Marsh
Cutting — Embankment — Standard Gauge Multiple Track
Road Under — Road Over — Level Crossing — Foot Bridge — Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge

Ordnance Survey Plan — 2

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 on the right therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

ORDNANCE SURVEY PLAN
Published 1983
Source map scale - 1:10,000

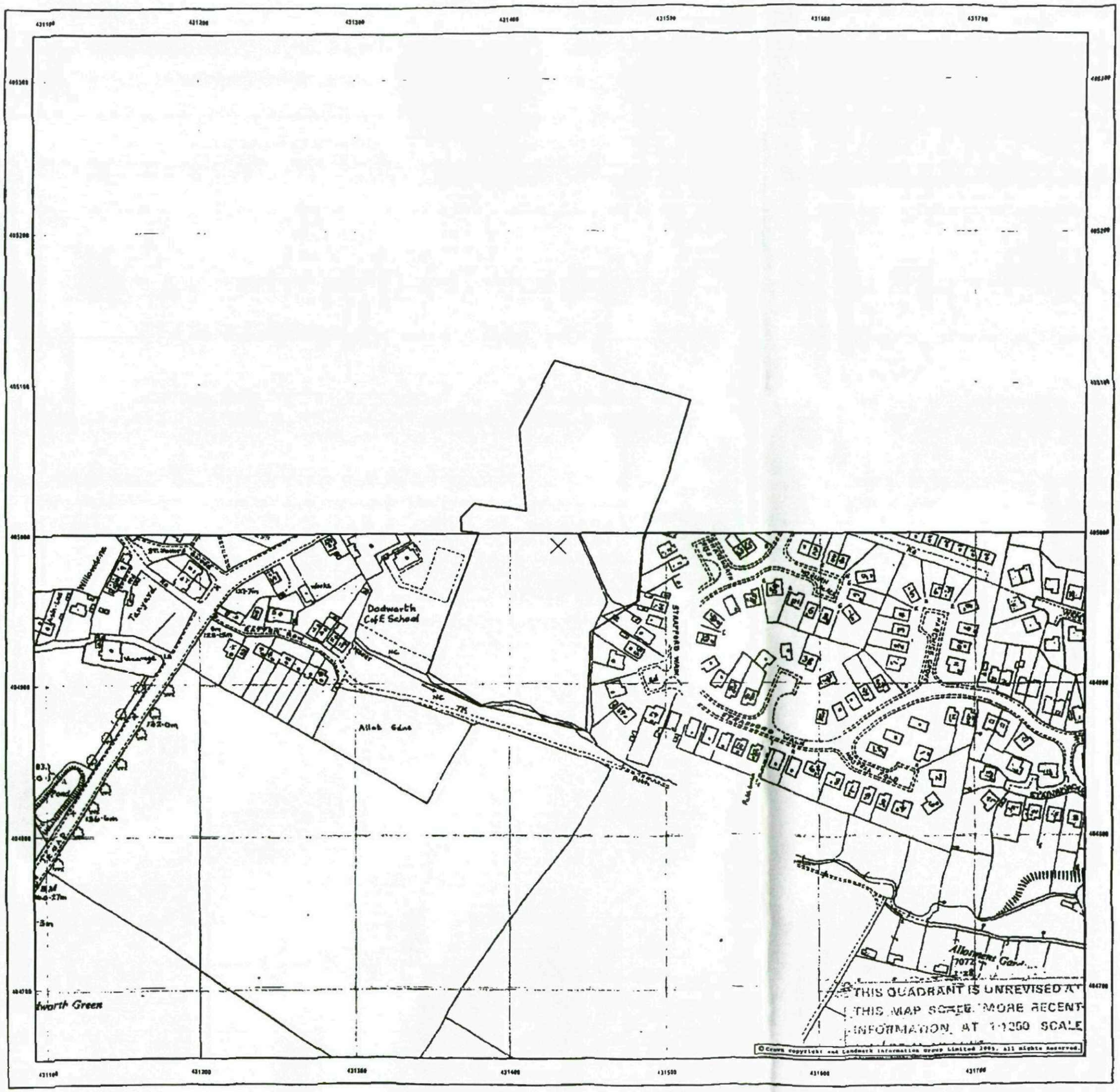


Date(s) of Publication

Ordnance Survey Licensed Partner

LANDMARK Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells.C1185/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

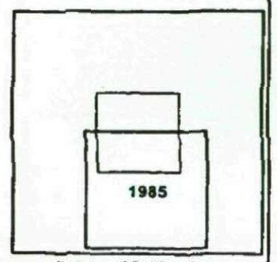
Historical Map Legend

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Culvert
Slope
Slope
Pylon
Electricity Transmission Line
Direction of Water flow
Coppice, Osier
Marsh
Saltings
Orchard Tree
Reeds
Rough Grassland
Scrub
Heath
Bracken
Coniferous Tree (Surveyed)
Coniferous Tree (Not Surveyed)
Non-coniferous Tree (Surveyed)
Non-coniferous Tree (Not Surveyed)

Additional SIMs 1

The SIM maps (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1991, and contain detailed information on buildings, roads and landuse. These maps were produced at both 1:2,500 and 1:1,250 scales.

ORDNANCE SURVEY PLAN
Published 1985
Source map scale - 1:2,500

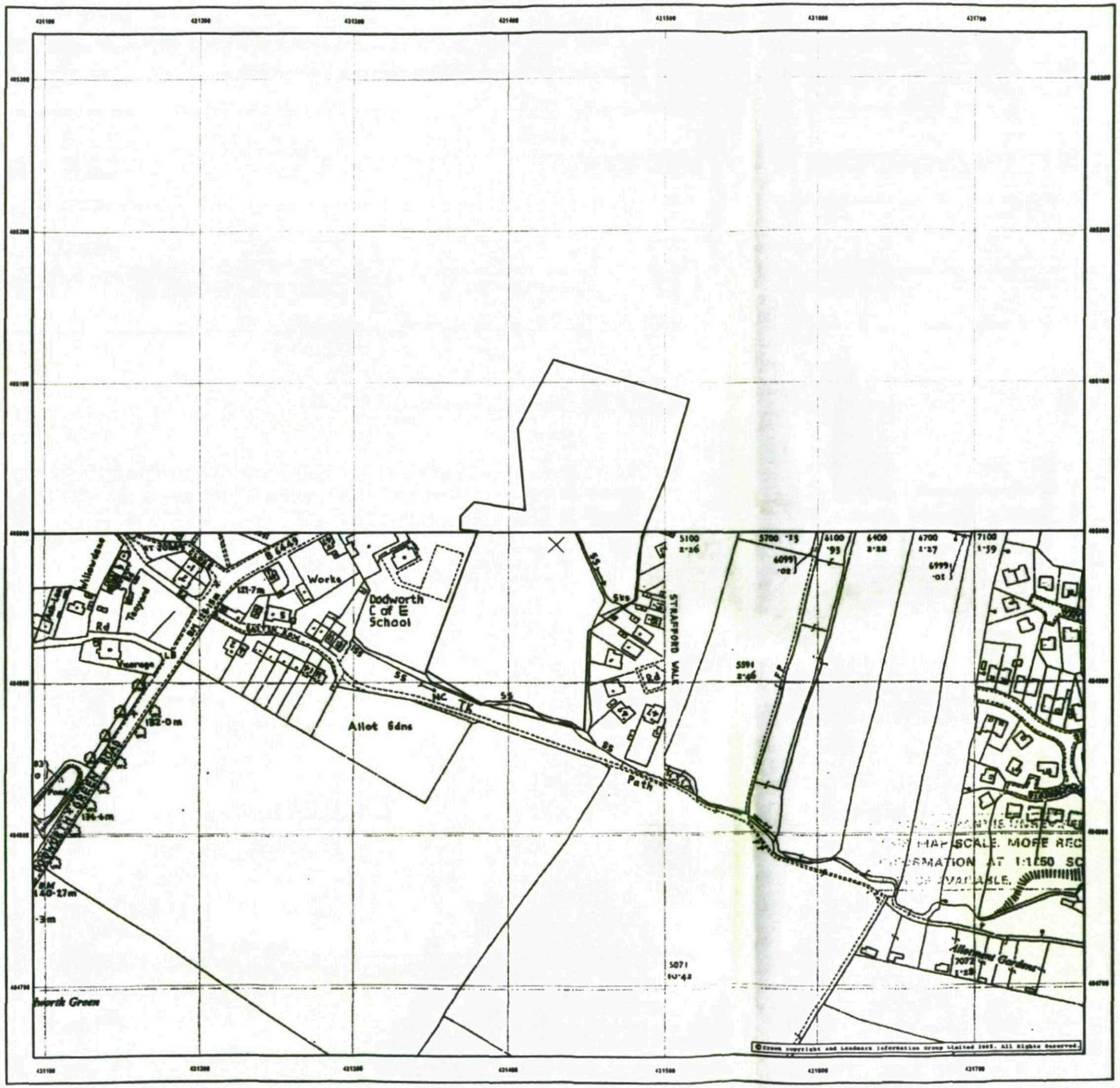


Date(s) of Publication

Ordnance Survey
Licenced Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1165/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3BU

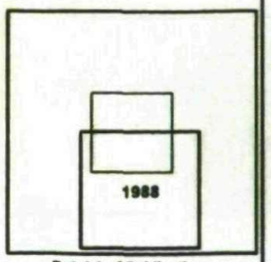
Historical Map Legend

- Inactive Quarry, Chalk Pit or Clay Pit
- Active Quarry, Chalk Pit or Clay Pit
- Culvert
- Slope
- Slope
- Pylon
- Electricity Transmission Line
- Direction of Water flow
- Coppice, Osier
- Marsh
- Saltings
- Orchard Tree
- Reeds
- Rough Grassland
- Scrub
- Heath
- Bracken
- Coniferous Tree (Surveyed)
- Coniferous Tree (Not Surveyed)
- Non-coniferous Tree (Surveyed)
- Non-coniferous Tree (Not Surveyed)

Additional SIMs 2

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 as an area was updated. They date from 1947 to 1991, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

ORDNANCE SURVEY PLAN
Published 1988
Source map scale - 1:2,500



Date(s) of Publication

Ordnance Survey® Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMo
Sirius Geotechnical & Environmental
Suite 3 Rowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

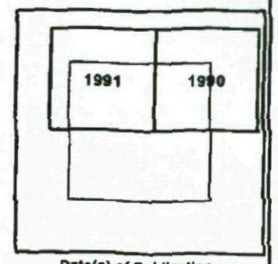
Historical Map Legend

- Inactive Quarry, Chalk Pit or Clay Pit
- Active Quarry, Chalk Pit or Clay Pit
- Culvert
- Slope
- Slope
- Pylon
- Electricity Transmission Line
- Direction of Water flow
- Coppice, Osier
- Marsh
- Saltings
- Orchard Tree
- Reeds
- Rough Grassland
- Scrub
- Heath
- Bracken
- Coniferous Tree (Surveyed)
- Coniferous Tree (Not Surveyed)
- Non-coniferous Tree (Surveyed)
- Non-coniferous Tree (Not Surveyed)

Additional SIMs 1

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 as an area was updated. They date from 1947 to 1991, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

ORDNANCE SURVEY PLAN
Published 1990 to 1991
Source map scale - 1:1,250

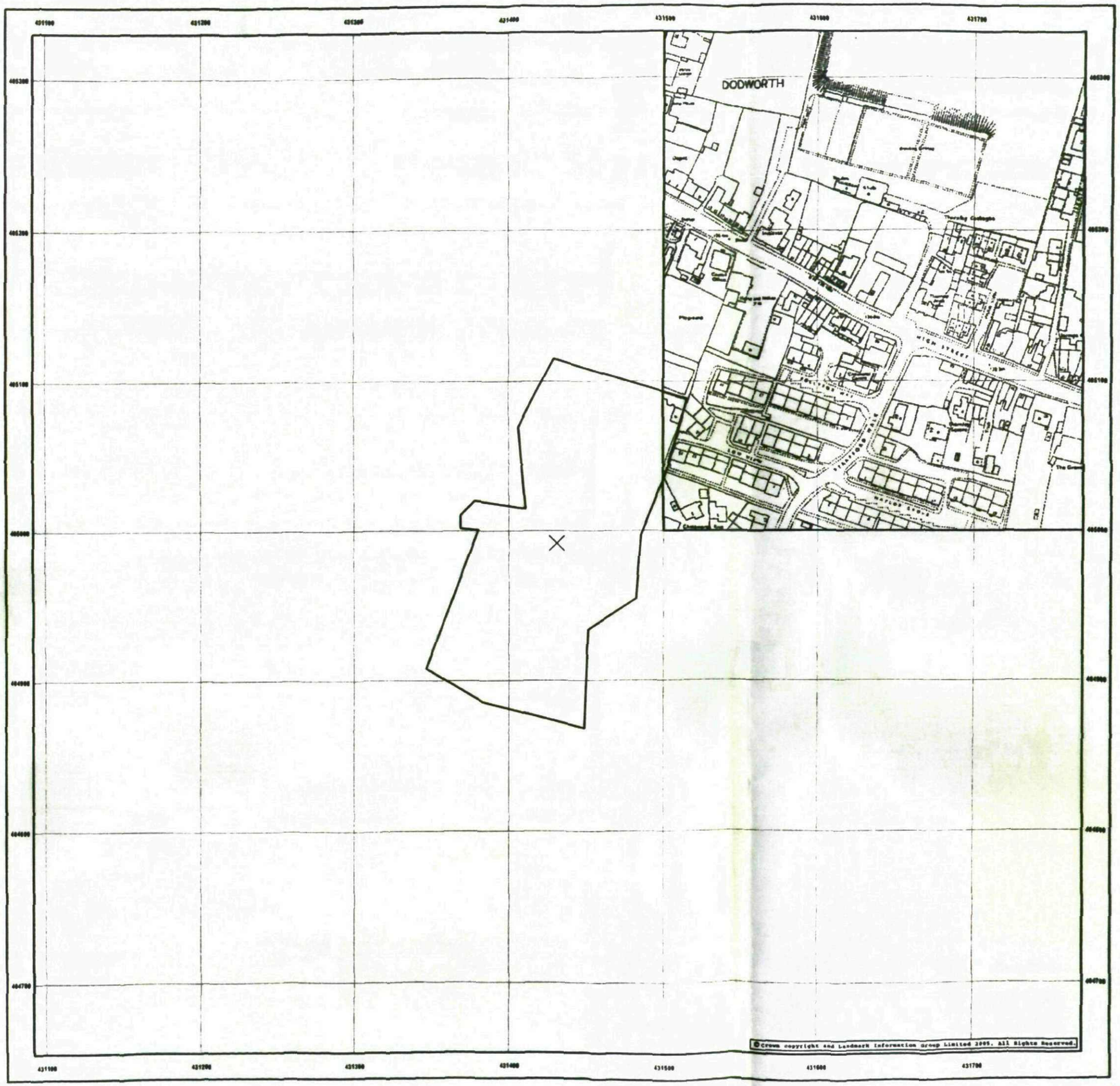


Date(s) of Publication 9 of 33

Ordnance Survey® Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells.C1185/JMo
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

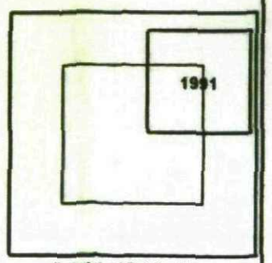
Historical Map Legend

Inactive Quarry, Chalk Pit or Clay Pit
Active Quarry, Chalk Pit or Clay Pit
Culvert
Slope
Slope
Pylon
Electricity Transmission Line
Direction of Water flow
Coppice, Osier
Marsh
Saltings
Orchard Tree
Reeds
Rough Grassland
Scrub
Heath
Bracken
Coniferous Tree (Surveyed)
Coniferous Tree (Not Surveyed)
Non-coniferous Tree (Surveyed)
Non-coniferous Tree (Not Surveyed)

Additional SIMs 2

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 as an area was updated. They date from 1947 to 1991, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

ORDNANCE SURVEY PLAN
Published 1991
Source map scale - 1:1,250

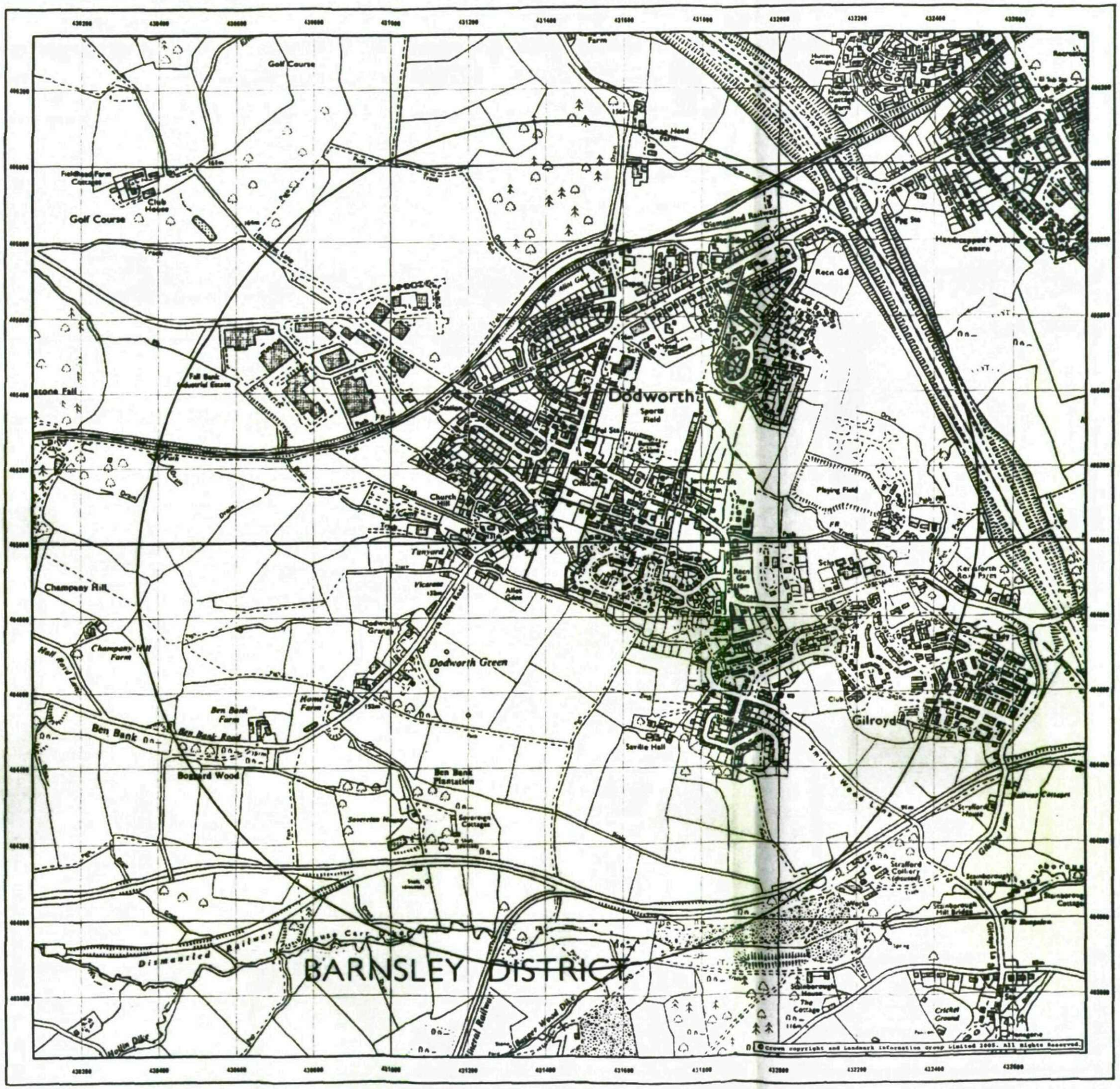


Date(s) of Publication 10 of 23

OS Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1165/JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

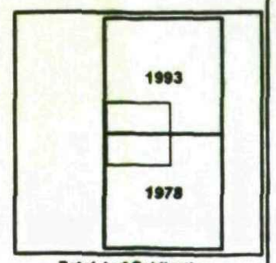
- Chalk Pit, Clay Pit, or Quarry
- Gravel Pit
- Sand Pit
- Disused Pit or Quarry
- Refuse or Slag Heap
- Direction of Flow of Water
- Cutting
- Road Under
- Non-coniferous Trees
- Coniferous Trees
- Scrub
- Lake, Loch or Pond
- Pylon
- Electricity Transmission Line
- Pole
- Shingle
- Sand
- Embankment
- Road Over
- Level Crossing
- Foot Bridge
- Bracken
- Heath
- Rough Grassland
- Reeds
- Saltings
- Marsh
- Standard Gauge Multiple Track
- Standard Gauge SingleTrack
- Siding, Tramway or Mineral Line
- Narrow Gauge

Ordnance Survey Plan 3

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 on the right therefore is often some years later than the surveyed date. Before 1936, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

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.

ORDNANCE SURVEY PLAN
Published 1978 to 1993
Source map scale - 1:10,000



Date(s) of Publication 22 of 22

Ordnance Survey Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited. Tel: 0870 850 6670 Fax: 0870 850 6671



Envirocheck®
A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C11651JMc
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

Slope

Slope

Bench Mark

Wells

Buildings with Building Seed

Direction of Water flow

Pylon

Electricity Transmission Line

Administrative Boundaries

Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Large-Scale National Grid Data 1

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

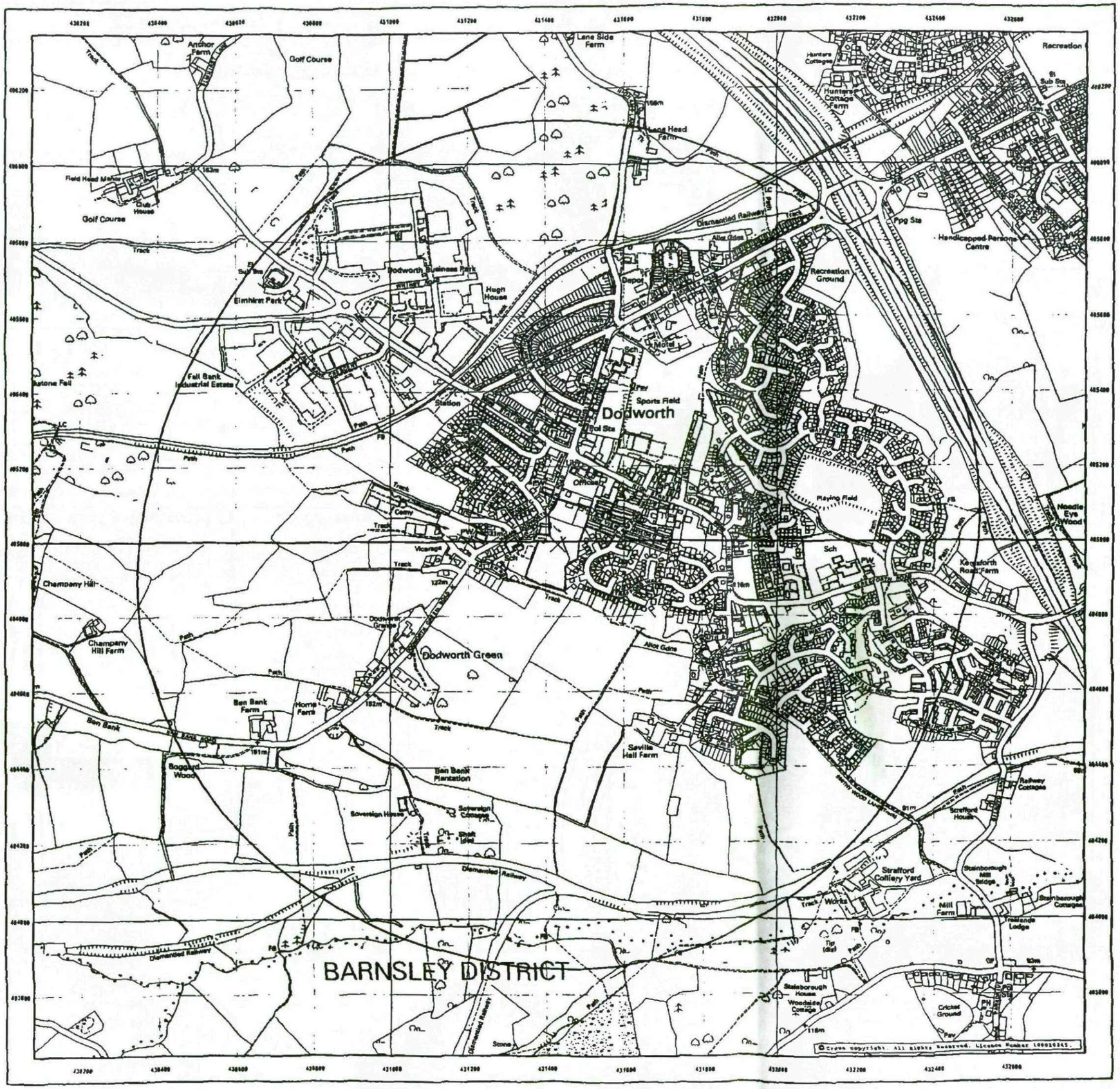
ORDNANCE SURVEY PLAN
Published 1993 to 1995
Source map scale - 1:1,250

1995	1993
1993	1993

Date(s) of Publication 11 of 33

Ordnance Survey Licensed Partner

LANDMARK®



Envirocheck®

A Landmark® product

CLIENT DETAILS Envirocheck Order No. EC15631711_1_1

Customer Ref: MR R Howells,C1185/JMe
Sirius Geotechnical & Environmental
Suite 3 Bowcliffe Grange Bowcliffe Hall Estate
Leeds
LS23 6LP

SITE DETAILS Grid Reference 431430 404990

Green Road

Dodworth
Barnsley
South Yorkshire S75 3SU

Historical Map Legend

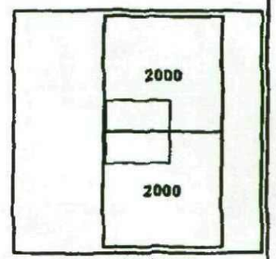
	Non-coniferous Trees		Pylon
	Coniferous Trees		Telephone Line (where shown)
	Orchard		Electricity Transmission Line (with poles)
	Rough Grassland		Gravel Pit
	Heath		Shingle
	Scrub		Refuse Tip or Slag Heap
	Marsh, Salt Marsh or Reeds	Sand	Sand
	County Boundary (England only)		Sand Pit
	Civil Parish or Community Boundary		Slopes
	Constituency Boundary		District, Unitary, Metropolitan, London Borough Boundary

10K Raster Mapping 1

The historical maps shown were produced from the Ordnance Survey's 1:10,000 colour raster mapping. These maps are derived from Landplan® which replaced the old 1:10,000 maps originally published in 1970.

The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

ORDNANCE SURVEY PLAN
Published 2000
Source map scale - 1:10,000

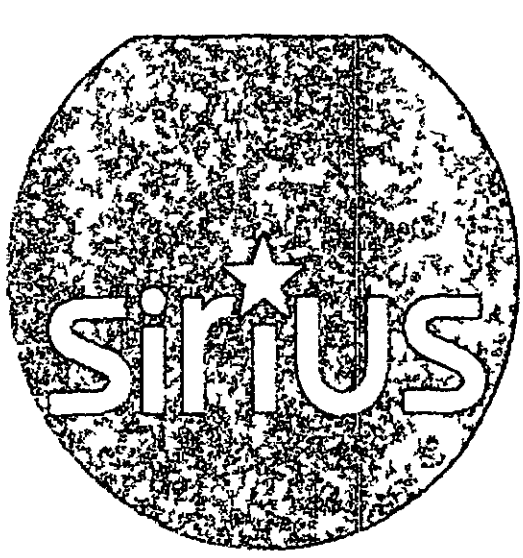


Date(s) of Publication 23 of 23

Ordnance Survey® Licensed Partner

LANDMARK® Information Group

Produced by Landmark Information Group Limited



APPENDIX C
CORRESPONDENCE

The Coal Authority
Mining Reports Office
200 LICHFIELD LANE,
BERRY HILL
MANSFIELD
NOTTINGHAMSHIRE
NG18 4RG
Telephone 0845 762 6848
DX 716176 MANSFIELD 5
On Line Service www coalminingreports co uk

The COAL AUTHORITY

ANGELA GREGORY
SIRIUS GEOTECHNICAL & ENVIRONMENTAL LTD
RUSSEL HOUSE SUITE 2,
MILL ROAD
LANGLEY MOOR
DURHAM
DH7 8HJ

This matter is being dealt with by Darren Moody

Our Ref	**10453875-05**
Your Ref	550/C1185/JMC
Electronic Ref	EME_00003723610001_005
RRUID	005 00003723610001
Date	28 November 2005

Dear Sir

Coal Mining Report

FORMER C OF E SCHOOL GREEN ROAD, GREEN ROAD, DODWORTH, BARNSLEY, SOUTH YORKSHIRE

I refer to the enquiry dated 22nd November 2005 received 22nd November 2005 in connection with the above

This report is based on and limited to the records in the possession of The Coal Authority at the time the search is answered

Past Underground Mining

The property is within the likely zone of influence on the surface from workings in 5 seams of coal at shallow to 210m depth the last date of working being 1961

Present Underground Mining

The property is not within the zone of likely physical influence on the surface from any present underground coal workings

Future Underground Mining

The property is not within a geographical area for which a licence to extract coal by underground methods is awaiting determination by the Coal Authority

The property is not within a geographical area for which a licence to extract coal by underground methods has been granted

The property is not within the zone of likely physical influence at the surface from plans of future workings in our possession

However reserves of coal exist in the locality which could be worked at some time in the future subject to feasibility licences and planning consents

We have no record of any notice of the risk of the land being affected by subsidence being given under S 46 of the Coal Mining Subsidence Act 1991

Shafts and Adits

Within or within 20 metres of the property there are 2 mine entries the approximate positions of which are shown on the attached plan Your attention is drawn to the statements made on that plan

We have no record of what steps if any have been taken to treat the mine entries

The records held by the Coal Authority may be incomplete Consequently there may exist in this locality mine entries of which we have no knowledge

Surface Geology

Records in our possession do not disclose any fault or other line of weakness at the surface as having affected the stability of the property

Past Opencast Mining

The property is not located within the geographical boundary of an opencast site from which coal has been extracted by opencast methods

Present Opencast Mining

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

Future Opencast Mining

The property is not within 800 metres of the geographical boundary of an opencast site for which a licence to extract coal by opencast methods is awaiting determination

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

Subsidence

Claim(s) within or intersecting the property boundary that do not match the property address are shown on the attached plan

The records in our possession do not show any request having been made to execute preventative works under S 33 of the Coal Mining Subsidence Act 1991

Withdrawal of Support

The property does not lie within a geographical area in respect of which a notice of entitlement to withdraw support has been publised

The property does not lie within a geographical area in respect of which a notice has been given under S 41 of the Coal Industry Act 1994 revoking the entitlement to withdraw support

Working Facilities Orders

The property is not within a geographical area that is the subject of an Order made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof

Payments to Owners of Former Copyhold Land

The property is not within an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994

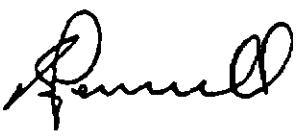
Additional Remarks

In view of the mining circumstances a prudent developer would seek appropriate technical advice before works are undertaken on site All proposals should have regard to good engineering practice in mining areas as identified in authoritative publications on mining stability problems In any event no activities should be undertaken that intersect, disturb or interfere with any coal or mines of coal without permission of the Coal Authority

These replies are prepared in accordance with the 2003 editions of the Coal Authority s Terms and Conditions User Guide and the Law Society's Guidance Notes

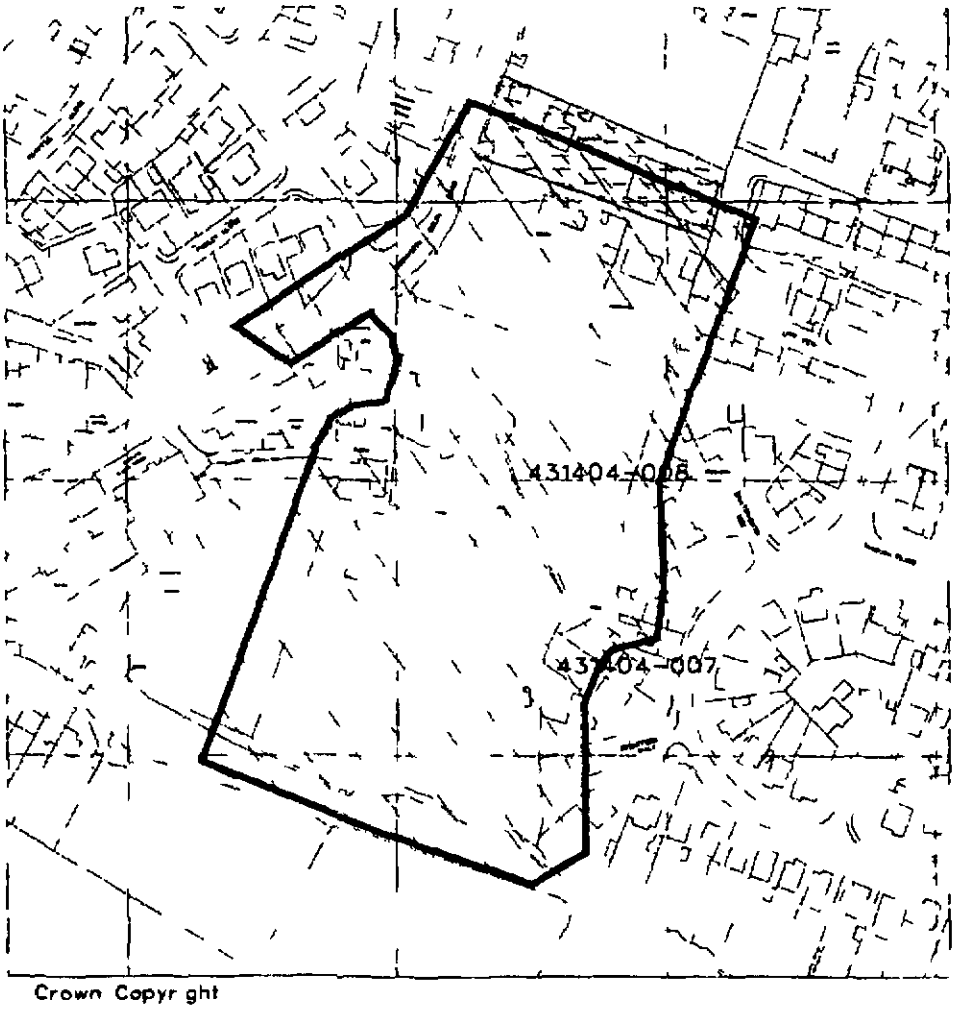
Copyright in coal mining reports and certificates belongs to the Coal Authority Information used to compile this report is protected by the Coal Authority s database right All rights are reserved and unauthorised use is prohibited Copyright and other intellectual property is not transferred to external parties by possession of a mining report or certificate however those for whom the report is supplied have the right to use it

Yours faithfully



Stephen Pennell

Director of Mining Information and Services



Crown Copyr ght

PLAN NOT TO SCALE

Th s map is eproduc d from the Ordnanc Sur y material by Th Coal Authority [or div s on ther of] th the permission of the Controller of Her Majesty's Stationery Office Crown Copyright Unauthor sed reproductio infringes Cro n Copyright and may lead to pros c t on or c il pr ceedings Lice ce Number AL51060A001

Thus is a plan of the boundar es f the prope ty n respect of which this report has been prepared. It is the responsibility of the user to ensure that the boundaries sho n cor espond th those of the property

APPROXIMATE POSITION OF ENQUIRY BOUNDARY SHOWN

APPROXIMATE POSITION OF CLAIM BOUNDARIES SHOWN

APPROXIMATE POSITION OF DISUSED MINE SHAFTS SHOWN

APPROXIMATE POSITION OF DISUSED MINE ADITS SHOWN

This plan sho s the appro mate location of th d sused mine entry/entries f r d to in the attached min ng repo t For reasons of cl r ty mi e entry symbols may not be drawn to he same scal a he plan
Property o ners ho e the benef t of tatutory protect on (under th Coal Mining Subsidenc Act 1991) This ontains provis on for the making good, to the reasonable sat sfact on of the owne of phys cal damage from disused coa mine workings ncluding d'sused coal mine entries. A DTI leaflet setting out the gh s and th obligations of either th Coal Author ty or other esponsible pe sons nde th 1991 Act can be obta ned by telephoning 0845 762 6848
If you wish to discuss the elevance of any o the information contained in the attached repor you shou'c seek the advice of a qualif ed m ning eng neer or sur eyor If you, or your d ser wish to e am ne the sou c pl ns f om wh c th nfo mation has been taken these are available at r Mansf'e d office f ee of charge, by prior appointment telephone 01623 638233 Should yo or your advisor w sh to carry out any physical nvestigations that may enter d'sturb or in erfere th any disused mi e e t y the p or perm ssion of the o ne must be sought Fo coal mine ent ies the owner will normally be the Coal A thor ty
The Coal Autho ty r gardless of espo s b" y nd conjunction w th othe public bodies p o id an emerge cy call out facility n coal f e d a eas to assess the publ c safety implications of m ing features (including d sused mine entries) Ou emergency telephone number at all times is 01623 646333.

BARNSLEY
Metropolitan Borough Council

Planning & Transportation Service
Assistant Director Ruth Middleton BA (Hons) MRTPI Dip Surv
South Yorkshire Mining Advisory Service
Mining Advisory Manager C P Naylor CEng MIMM
Central Offices Kendray Street, Barnsley S70 2TN
Tel (01226) 772685 Fax (01226) 772688
Email SYMAS@barnsley gov uk

My Ref IJ/SML/M2543/1 Your Ref C1185

Date 21st December 2005 Enquiries to Mr I Johnson Dial Direct (01226) 772689

Sirius Geotechnical & Environmental Ltd
Suite 3 Bowcliffe Grange
Bowcliffe Hall Estate
Bramham
LEEDS
LS23 6LP

FOR THE ATTENTION OF DENISE BROOMFIELD

Dear Sir

LAND AT GREEN ROAD, DODWORTH, BARNSLEY

With reference to your consultation request dated 22nd November 2005 please find enclosed a mineral report and plans which outline the mining and geological situation for the above site

Yours faithfully

C P Naylor
Mining Advisory Manager

Enc

P S 3937

SOUTH YORKSHIRE MINING ADVISORY SERVICE

MINERAL REPORT

CONFIDENTIAL

Date 20/12/2005
Ref IJ/SML/M2543/1

LAND AT GREEN ROAD, DODWORTH REF C1185

LOCATION

The site is located on Green Road Dodworth as shown edged orange on the attached plan no M2543/1A which is on the southern edge of Dodworth village with open land to the south and housing developments to the north west and east

GEOLOGY

Geological records indicate the area lies on the sandstones shales and mudstones of the Middle Coal Measures Series with the immediate strata being a mudstone

A geological fault surfaces 20 m to the north of the site running in a north west/south east direction If this location is correct then it should not affect the site

Two coal seams are shown to outcrop through the land these being the Joan Coal and the Flockton Thick Coal Seams together with the Tankersley Park Ironstone These outcrops are shown in red on plan and dip in a north-easterly direction

MINING INFORMATION

Shallow Workings

The Flockton Thick Coal Seam is shown to outcrop through the southern half of the site dipping below it This seam has a general section ranging from 600 mm up to 2000 mm thick and has been worked by underground methods and opencast operations in the general area

The Geological Survey Maps (1855 and 1981 Editions) show a shaft and adit on the site which would indicate that workings are likely to exist in this seam at shallow depth

The Joan Coal Seam is shown to outcrop through the northern edge of the site This coal seam has a thickness of 600 mm to 800 mm generally and is not known to have been worked in this area and given its conjectured outcrop this should not affect any development from the shallow mining aspect

Other Mining

The site has been affected by mining on four occasions ranging in depth from the Fenton Coal Seam at 45 m down to the Whinmoor Coal Seam at 200 m which was worked in 1961

All subsidence movement from these workings would have ceased long ago and as the area lies remote from the active coalfield it should not be affected for the foreseeable future

MINE ENTRIES

The Geological Survey Sheet 274 (1855 Edition) shows the aforementioned mine shaft within the site indicated on plan The 1981 Geological Survey Sheet shows the same mine shaft labelled to Flockton Thick Coal and an adit to the Flockton Coal outcrop

There are no details of how these features were treated following the abandonment of the colliery but considering their age it is unlikely that any substantial works were carried out other than filling or just covering with timbers

The possibility of further mineshafts being present within the site cannot be ruled out

TANKERSLEY PARK IRONSTONE

The Tankersley Park Ironstone lies just above the Flockton Thick Coal Seam This Ironstone has a thickness ranging up to 8 m and was worked in localised areas for the steel industry However there are no known workings in this area

FUGITIVE GAS

There are no records of any reports of fugitive mine gas in the area however considering the shallow coal seam shafts and adits this cannot be ruled out

CONTAMINATION

The requisite records have been checked and no former land industrial use has been identified

CONCLUSIONS

1 The site is currently stable from the mining aspect and as the site now lies remote from the active coalfield will remain so in the future

2 There are two coal seams outcropping through the site the Joan Coal through the north and the Flockton Thick in the south

Although there are no records of any workings in these coal seams the geological survey maps indicate a shaft and adit within the site as shown on plan M2543/1A

It is therefore recommended that a site investigation be carried out to determine the extent of any workings in the Flockton Thick Coal Seam and what stabilisation treatment if any is required

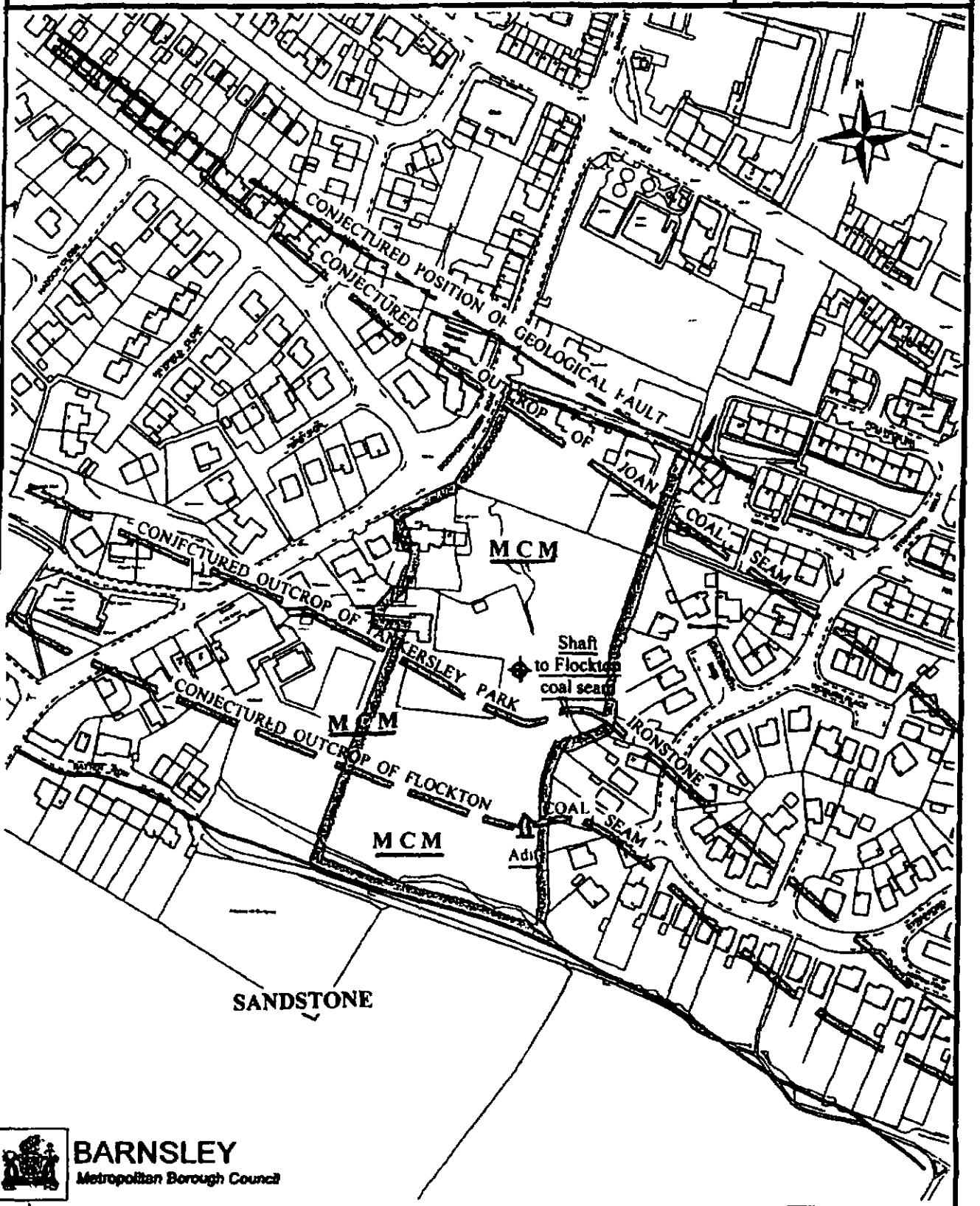
Prior to any investigations being carried out the requisite indemnification forms should be sought from the Coal Authority

DRAWING TITLE

LAND AT GREEN ROAD DODWORTH, BARNSLEY

DRAWING NO

M2543/1A



BARNSLEY
Metropolitan Borough Council

SCALE	DATE		O S REFERENCE
1 2500	20 12 05	SOUTH YORKSHIRE MINING ADVISORY SERVICE	SE 3104/3105
DRAWN BY: AS	CHECKED BY		C P NAYLOR C.ENG M I M M MINING ADVISORY MANAGER

Reproduced from the Ordnance Survey mapping with the permission of the Controller of Her Majesty's Stationery Office © Crown copyright. Unauthorised reproduction infringes Crown copyright and may lead to prosecution or civil proceedings. BMBC Licence Number 100022264 2004

BARNSLEY
Metropolitan Borough Council

Regulatory Services
Assistant Director Ken Eastwood BSc (Hons) MCIEH
Central Offices Kendray Street Barnsley S70 2TN

My Ref JSC/132215 Your Ref C1185 Date 12 December 2005

Enquiries To Mr J Scott Johnscott@barnsley.gov.uk Dial Direct (01226) 772456 Fax (01226) 775699

Dear Madam

Re Land at Green Road, Dodworth, Barnsley (NGR 431440, 405013)

Further to your fax requesting information in respect of the above site I can now supply you with the information we hold regarding the site

Closed Landfill Sites
There is one former landfill within 500m of the above site the details of which are listed below

Reference 114
Address South Street Allotments South Street Dodworth
NGR 437680 404740
Waste Disposal Licence WD20 B920
Site Operator Mr Dawson
Landfill Material Excavation Waste Topsoil and Subsoil
Date Commenced December 1992
Date Completed January 1993
Final Land Use Vehicle Turning Area
Distance and Direction 440m South East
This landfill has been classified as Category 4 meaning the Waste Disposal Site Licence indicates the site has been licensed to accept material that would not be expected to give rise to landfill gas in substantial quantities

Contaminated Land
Under the provisions of the Environmental Protection Act 1990 we have a duty to inspect the borough for contaminated land As part of this work records of potential sources of contamination have been compiled through the use of historical Ordnance Survey maps and local knowledge

With regards to the above site we have no current information of any previous uses of the above site that may have caused contamination to occur Due to the fact that we have no information regarding any previous contaminated uses we have no reason to inspect the site with regards to contaminated land

Denise Broomfield
SIRIUS
Suite 3 Bowcliffe Grange
Bowcliffe Hall Estate
Bramham Leeds
LS23 6LP

RECEIVED
16 DEC 2005
RIH-JMcc

Part A & B Authorised Processes
There are no Authorised Processes on or within 250m of the above site

Nuisance Complaints
We have no records of any complaints regarding the above site over the last three year period

Pollution incidents
We have no records of any pollution incidents relating to this site

Water Abstractions
There are no private water supplies within 1km of the above site We do not hold records of licensed water abstractions and I recommend you contact the Environment Agency in respect of this matter

I must inform you that the Council make a charge for supplying this information and you will be invoiced accordingly in due course This charge will be £75 as agreed

This information is submitted as being the position to date and other information may be available in records not held by this Authority at the present time The Borough Council cannot therefore accept liability or be prejudiced by the views expressed

Should you wish to discuss this correspondence further please don t hesitate to contact me

Yours faithfully

John Scott
Contaminated Land Officer

Barnsley MBC - Building Control

LAND AT GREEN ROAD DODWORTH BARNSLEY
YOUR REF C1185

Ground Conditions Generally stiff clay below a seam of coal and in some cases filled ground found in excavations to properties adjacent to Dodworth Green Road to the North Northeast and Northwest of the site Clay generally found in excavations to properties to the East and Southeast of the site but some cases of filled ground were recorded A fault is recorded to the North of the site between the Hillside/Fieldhouse and Stonehurst properties – you are advised to consult SYMAS for further information

Landfill Gas No landfill sites are located within 250m of the majority of the site Our records indicate that two properties on (49 & 51) Strafford Walk shown within the site are within 250m of a Category 4 landfill site A Category 4 site is one which the Waste Disposal Site Licence indicates has been licensed to accept material that would not be expected to give rise to landfill gas in substantial quantities or a site which has been granted an exception from Waste Management Licensing pursuant to the provisions of the Waste Management Licensing Regulations 1994

Radon Protection Measures BRE 211 1999 – Guidance on protective measures for new dwellings shows the site to fall within an area that requires basic radon protection or a geological assessment to be carried out The National Radiological Protection Board (NRPB) Radon Atlas of England and Wales 2002 Edition shows the North of the site to fall within an area that requires basic radon protection or a geological assessment to be carried out but the South of the site to be free of Radon Approved Document C – Site preparation and resistance to contaminants and moisture of the Building Regulations only recognises the BRE report and as such basic radon protection must be provided or a geological assessment carried out

Tree Preservation Orders Adjacent to the Southern boundary and within the site a number of Elm Sycamore Beech and Thorn trees have Tree Preservation Orders on them In addition there a number of individual trees and a group of trees have Tree Preservation Orders on them starting from the Eastern side of the Travellers Rest Public House following a South Easterly direction to the rear of the properties on Stafford Walk Adjacent to the site boundary to the North along Dodworth Green Road and alongside the boundary to the playground another area of Sycamore Chestnut Birch Poplar and Willow trees have Tree Preservation Orders on them

Additional Information The site does not fall within a flood zone or conservation area A parcel of land owned by BMBC is located along the East/South East boundary of Dodworth Church of England School and within the site A 300mm combined Public Sewers is located within Dodworth Green Road to the North/North West of the site and 150mm dia foul Public Sewer is located within the rear gardens of properties on Strafford Walk to the Southeast of the site

The information provided has been compiled for many different purposes to many different standards and although every effort has been made to ensure that it is correct it is impossible for the content to be error free

Barnsley MBC give no warranties expressed or implied in relation to and disclaim all responsibility for the quality and/or accuracy of the information contained within this letter howsoever that information may have been obtained or received or as to its suitability for any use Barnsley MBC accepts no liability whatsoever in respect of loss damage injury or death arising out of or in any way related to information contained in this letter

Should the coal seams be encountered at the surface during any site works the coal should be blinded off using a lean mix concrete or other inert material to prevent spontaneous combustion from occurring

3 The two mine entries indicated on site should be investigated and treated to current engineering standards The possibility of further mine entries cannot be ruled out and as such any unusual ground conditions should be investigated and suitably treated however the ownership of coal mine shafts is vested with the Coal Authority who should be consulted prior to any investigation/measures being undertaken In any event no building should be sited over the shaft or shaft cap or within an area bounded by a line drawn at 45 degrees back from where the shaft side intersects rockhead

Prior to any investigations being carried out the Coal Authority s standard indemnification forms should be completed

4 There are no known records of any workings in the Ironstone which overlies the Flockton Thick Coal Seam however any site investigations into the Flockton Coal would also confirm this

5 A geological fault outcrops to the north of the site and if this position is correct should not influence any development However should any unusual ground conditions be encountered in the vicinity of the fault these should be treated as a weak ground situation and the foundations suitably strengthened

6 The possibility of fugitive mine gas should be investigated and monitored (possibly using the site investigation boreholes) considering the shallow coal seams shaft and adits with the site

7 Historical plan information indicates there has been no evidence of former industrial land use in the vicinity of the site which could cause contamination problems

THIS REPORT IS BASED ON AND LIMITED TO THE RECORDS IN THE POSSESSION OF SYMAS AT THE TIME THE ENQUIRY IS ANSWERED

Copyright in this mineral stability report belongs to SYMAS All rights are reserved and unauthorised use is prohibited Copyright is not transferred to external parties by possession of this report, however, those for whom the report is compiled have the right to use it

C P Naylor
Mining Advisory Manager

GeoReports

British Geological Survey
NATURAL ENVIRONMENT RESEARCH COUNCIL

Radon (RPM) Report - Standard

Report prepared for

Denise Broomfield
Sirius Geotechnical & Environmental Ltd
Suite 3
Bowcliffe Grange
Bowcliffe Hall Estate
Bramham
Leeds
LS23 6LP

RECEIVED
25 NOV 2005
RH&JMac

Radon Protective Measures Site Report – Standard

Advisory report on the requirement for radon protective measures in new dwellings and extensions including a BR211 (1999) Stage 2 Geological Assessment

Client's Reference

C1185

© NERC 2005. All rights reserved.

Section 2 Requirement for radon protective measures

The determination below follows the two stages described in *BR211 Radon Guidance on protective measures for new dwellings (1999 edition)* which also provides guidance on what to do if the result indicates that protective measures are required

Stage 1

Stage 1 (Annex A) of the BR211 (1999) procedure indicates that the minimum level of protection for the report area is **NO** radon protective measures

Stage 2

The Stage 2 geological assessment carried out for this report indicates **BASIC** radon protective measures are required for the report area This assessment was derived automatically from the BGS Radon Protective Measures GIS (RPM-GIS) from 1:250 000 scale digital data Results of the geological search are described in Section 3 and more detail on the assessment procedure is outlined in Section 4

Result

The BR211 (1999) two stage procedure indicates that **BASIC** protective measures are required for the site This is the higher of the two levels of protection indicated by Stage 1 and Stage 2

The BGS is not able to provide advice on the technical specifications of 'basic and full' radon protective measures This information is detailed in **BRE Report BR211 Radon Protective measures for new dwellings** which may be purchased from **brebookshop.com** BR211 offers guidance on the technical solutions that are required to satisfy Building Regulations requirements Summary guidance is available on the web at:
http //www.bre.co.uk/radon/protect.html

If you require further information or guidance you should contact your local authority building control officer or approved inspector
Contact 020 7944 5745 or Email partscdgh br@odpm gsi gov uk for advice on the interpretation of guidance contained in BRE Report BR211

© NERC 2005. All rights reserved.

Section 4 Determining the level of radon protection

BR 211 (1999) sets out a two-stage procedure to help determine the level of radon protection required in new dwellings and extensions

In Stage 1 of the procedure, the 5 km grid square radon potential maps (Annex A BR211 1999) produced by the National Radiological Protection Board (NRPB) are used to make the primary determination of the level of radon protection needed The NRPB maps are based on the average estimated proportion of homes exceeding the radon Action Level for each 5 km square of the Ordnance Survey National Grid

In Stage 2 a second series of maps produced by the BGS (Annex B BR211 1999) is used to decide whether it is necessary to consider upgrading the requirement for protection indicated by Stage 1 This procedure has the objective of avoiding cases of underprotection that might occur had the guidance depended solely on the average radon level in the 5 km grid square indicated by the NRPB maps The BGS maps in Annex B (BR211 1999) show those 5 km grid squares that are underlain completely or in part by geological units that require either basic or full protection to be installed in new dwellings

A geological assessment may need to be carried out where the site falls within a shaded grid square on the BGS map in Annex B of BR211 (1999) The geological assessment checks whether a site is on or close to a geological unit which potentially exceeds the action levels for either basic or full radon protection Consideration must be given to installing basic or full radon protection if the geological assessment shows that this is indicated If a site falls within one of the shaded squares it does not necessarily mean that it must have radon protection This is because some of the grid squares contain bed rocks and unconsolidated (drift) deposits with lower radon potential than the maximum levels shown on the 5 km grid maps in Annex B (BR211 1999)

In many cases the geological radon potential varies considerably within a grid square In other cases only a very small area (sometimes only a few hundred square metres) with a radon potential exceeding the thresholds for basic or full protection occurs within the shaded grid square The level of protection that might be required is thus site specific and can be determined by reference to the relevant radon potential map in BR211 (1999) followed by a geological assessment of the site
(Please note the NRPB is now the Radiation Protection Division of the Health Protection Agency)

© NERC, 2005. All rights reserved.

Section 5 Follow-up Detailed Radon Protective Measures site report

For most parts of the UK a higher resolution assessment of radon protective measures requirements can also be provided by BGS This will comprise

i Assessment by a qualified geologist of the relevant 10 000 1 10 560 or 1 50 000 scale geological map(s) covering the total search area from BGS archives

ii Identification of the level of radon protective measures indicated for all geological units encountered within the site and the immediately surrounding area

The basic charge for a Detailed Radon Protective Measures Report is **£210 (incl VAT & Delivery)** Reports for very large or geologically complex sites may however have to be supplemented with additional charge – in such cases enquiry staff will confirm the charge with the client before proceeding

The Radon follow-up reports can be ordered from
Geological Enquiries British Geological Survey Keyworth Nottingham NG12 5GG Tel 0115-936-3192 Fax 0115-936-3192 e mail geohelp@bgs ac uk An on-line ordering facility is available on the BGS Website. www.bgs ac uk/georeports

Section 6 What is radon ?

Radon is a naturally occurring radioactive gas which is produced by the radioactive decay of radium which in turn is derived from the radioactive decay of uranium Uranium is found in small quantities in all soils and rocks although the amount varies from place to place Radon released from rocks and soils is quickly diluted in the atmosphere Concentrations in the open air are normally very low and do not present a hazard Radon that enters poorly ventilated enclosed spaces such as some basements buildings caves mines and tunnels may reach high concentrations in some circumstances The construction method and degree of ventilation will influence radon levels in individual buildings A person s exposure to radon will also vary according to how particular buildings and spaces are used

Inhalation of the radioactive decay products of radon gas increases the chance of developing lung cancer If individuals are exposed to high concentrations for significant periods of time there may be cause for concern In order to limit the risk to individuals the Government has adopted an Action Level for radon in homes of 200 becquerels per cubic metre (Bq m^{-3}) The Government advises householders that where the radon level exceeds the Action Level measures should be taken to reduce the concentration

© NERC, 2005. All rights reserved.

Section 9 Terms & Conditions

General

This report is supplied in accordance with the GeoReports Terms & Conditions available on the BGS website at www.bgs.ac.uk/georeports and also available from the BGS Central Enquiries Desk at the below address.

Important notes about this report

The data, information and related records supplied in this report by BGS can only be indicative and should not be taken as a substitute for specialist interpretations professional advice and/or detailed site investigations. You must seek professional advice before making technical interpretations on the basis of the materials provided

Geological observations and interpretations are made according to the prevailing understanding of the subject at the time The quality of such observations and interpretations may be affected by the availability of new data, by subsequent advances in knowledge improved methods of interpretation and better access to sampling locations

Raw data may have been transcribed from analogue to digital format or may have been acquired by means of automated measuring techniques Although such processes are subjected to quality control to ensure reliability where possible some raw data may have been processed without human intervention and may in consequence contain undetected errors

Detail which is clearly defined and accurately depicted on large-scale maps may be lost when small-scale maps are derived from them

Although samples and records are maintained with all reasonable care there may be some deterioration in the long term

The most appropriate techniques for copying original records are used but there may be some loss of detail and dimensional distortion when such records are copied

Data may be compiled from the disparate sources of information at BGS s disposal, including material donated to BGS by third parties and may not originally have been subject to any verification or other quality control process

Data information and related records which have been donated to BGS have been produced for a specific purpose and that may affect the type and completeness of the data recorded and any interpretation. The nature and purpose of data collection and the age of the resultant material may render it unsuitable for certain applications/uses. You must verify the suitability of the material for your intended usage

If a report or other output is produced for you on the basis of data you have provided to BGS or your own data input into a BGS system please do not rely on it as a source of information about other areas or geological features, as the report may omit important details

The topography shown on any map extracts is based on the latest OS mapping and is not necessarily the same as that used in the original compilation of the BGS geological map and to which the geological linework available at that time was fitted.

Copyright:
Copyright in materials derived from the British Geological Survey's work is owned by the Natural Environment Research Council (NERC) and/ or the authority that commissioned the work You may not copy or adapt this publication or provide it to a third party without first obtaining NERC's permission but if you are a consultant providing advice to your own client you may incorporate it unaltered into your report without further permission, provided you give a full acknowledgement of the source Please contact the BGS Intellectual Property Rights Manager British Geological Survey Kingsley Dunham Centre Keyworth Nottingham NG12 5GG Telephone 0115 936 3100
© NERC 2005 All rights reserved

Report issued by BGS Enquiries Service

For further information please contact

BGS Central Enquiries Desk
British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Tel: 0115 936 3143
Fax 0115 936 3276
Email enquiries@bgs.ac.uk

Sirius Geotechnical & Environmental Ltd

Suite 2 Russel House
Mill Road
Langley Moor
Durham
DH7 8HJ

t 0191 378 9972
f 0191 378 1537

Suite 3 Bowcliffe Grange
Bowcliffe Hall Estate
Bramham
Leeds
LS23 6LP

t 01937 842 744
f 01937 842 063

Brendan House Business Centre
Victoria Square
Widnes
Cheshire
WA8 6AD

t 0151 257 2715
t 0151 257 2716