



Phase 1

Environmental Assessment Report

Land at Oakwood Cottage

Heywood

OL10 4AG

Date: 19th January 2026

Version 2

ENVIROSOLUTION LTD

Suite 53

3a Bridgewater Street

Liverpool

L1 0AB



EnviroSolution Ltd

Document Verification

Site Address	Land at Oakwood Cottage, Heywood, OL10 4AG		
Report Title	Phase 1 Environmental Site Assessment Report		
Job Number	ES03916	Document Ref.	ES03916
Date Issued	19 th January 2026	Report Version	2
Prepared by	Tom Craig	Signature	
Checked by	Angel Arantegui	Signature	



Executive Summary

The preliminary environmental site assessment indicates that the site can be classified as moderate risk in terms of contamination and the risks to the identified receptors (e.g., human health, controlled waters and buildings) is moderate.

This classification is due to a number of historic on-site and off-site land uses with the potential to have contaminated the shallow soils at the site. These include a historic landfill sites, vehicle repair garage, cotton mills, engineering works and tanks. Associated contaminants include heavy metals, asbestos, hydrocarbons, polyaromatic hydrocarbons (PAHs), solvents, vapours and ground gases (carbon dioxide and methane).

Additionally, the site lies within a medium probability area for naturally occurring radon gas. According to the UK radon department, full radon protective measures are required for this site. It is also recommended to carry out a detailed radon search report for a site-specific assessment.

It is recommended a Phase 2 intrusive ground investigation is undertaken prior to site redevelopment to obtain additional information on the ground conditions and the contamination status. The investigation should be carried out by qualified and competent persons. The scope of works for the investigation will need to be submitted and approved by the local authority prior to the commencement of the Phase 2 intrusive works.

Disclaimer

This report has been prepared by EnviroSolution Ltd who has exercised such professional skill, care and diligence as may reasonably be expected of a properly qualified and competent consultant experienced in preparing reports of a similar scope.

However, to the extent that the report is based on or relies upon information contained in records, reports or other materials provided to EnviroSolution Ltd, which have not been independently produced or verified, EnviroSolution Ltd, gives no warranty, representation or assurance as to the accuracy or completeness of such information.

The scope of this report is restricted to potential ground contamination and its environmental impact; it does not cover above-ground hazards (e.g., asbestos in buildings), ecological sensitivities (e.g., bats), biological or horticultural hazards (e.g., Japanese Knotweed) or structural hazards (e.g., building stability) unless specifically referred to in the text of this report.

Table of Contents

1.1	Introduction	7
1.2	Background	7
1.3	Objectives.....	7
1.4	Scope of Work	7
1.5	Information Sources.....	8
2	The Site.....	9
2.1	Site Location	9
2.2	Site Description.....	9
2.3	Development Proposals	9
2.4	Site History	10
3	Environmental Setting.....	12
3.1	Geology	12
3.2	Radon.....	12
3.3	Coal Mining Activity	12
3.4	Hydrogeology	12
3.5	Hydrology.....	13
3.6	Flood Risk.....	13
3.7	Waste Management Facilities.....	13
3.8	Environmental Permits, Incidents and Registers.....	15
3.9	Designated Environmentally Sensitive Sites	15
4	Preliminary Conceptual Site Model	16
4.1	Introduction	16
4.2	Potential Contamination Sources	16
4.3	Receptors	17
4.4	Pathways.....	18
4.5	Potential Pollution Linkages	18
4.5.1	Human Health	18
4.5.2	Controlled Waters	19
4.5.3	Building/Construction Materials/Buried Services.....	19
4.6	Environmental Designations.....	20
4.7	Preliminary Hazard Assessment.....	20

5 Conclusions and Recommendations 24**Appendices**

Appendix A – Site Plans

Appendix B – Site Photographs

Appendix C – Historical OS Maps

Appendix D – Geological Maps

Appendix E – BGS Borehole

Appendix F – Coal Mining Map

Appendix G – Hydrogeology Maps

Appendix H – Flood Risk Map

Appendix I – Historic Landfill Map

Appendix J – Environmental Designations

1.1 Introduction

1.2 Background

EnviroSolution Ltd was commissioned to undertake a Phase 1 Environmental Site Assessment at a site located at land at Oakwood Cottage, Heywood, OL10 4AG. This report was commissioned to provide information on the potential contamination status of the site.

1.3 Objectives

The objective of the preliminary environmental site assessment was:

1. To provide a summary of the environmental setting and historical land use of the site and immediate surrounding area.
2. To obtain information on the ground conditions present beneath the site.
3. To develop a conceptual site model and complete a generic quantitative risk assessment to identify any environmental risks and liabilities associated with ground conditions at the site.

1.4 Scope of Work

To achieve the objectives, the following scope of work was completed:

1. A desk-based study of the site comprising a review of available environmental information for the site such as geological and hydrogeological data and historical land use information.
2. A site walkover.
3. Assessment of potential hazards and constraints during construction and longer term.

This work has been devised to generally comply with the relevant principles and requirements of the following legalisation and guidance:

- Part IIA of the Environmental Protection Act, 1990 and Section 57 of the Environmental Act 1995;
- Contaminated Land (England) (Amendment) Regulations 2012 and Contaminated Land Statutory Guidance (DEFRA, April 2012);
- National Planning Policy Framework (Ministry of Housing, Communities and Local Government, July 2021);
- BS10175: 2011 +A2:2017 “Investigation of Potentially Contaminated Sites- Code of Practice”; and
- Environment Agency (2020) Land Contamination Risk Management Report LCRM “How to assess and manage the risks from land contamination”.

1.5 Information Sources

Historical Ordnance Survey maps have been obtained from historical records, ranging from 1851 to 2025. These maps provide high quality information on historical site use.

The British Geological Survey Geoindex database has been used to provide information on geo-environmental aspects of the site and the immediate surrounding area such as geological, hydrogeological and hydrological data.

The Environment Agency website (www.gov.uk/government/organisations/environment-agency) and Magic website (www.magic.gov.uk) was also used to obtain environmental information.

Industry Profiles produced by the Department of the Environment were utilised to obtain information on processes, materials and wastes associated with potential contaminative land uses near the site.

Readily available information sources have been used to produce this desk-based study. Additional information may be requested by the Local Planning Authority (e.g., local authority environmental information request).

2 The Site

2.1 Site Location

The site is located at land at Oakwood Cottage, Heywood, OL10 4AG. The British National Grid Reference for the approximate site centre is GR: 385265 411800.

The site location is shown on **Figure 1** in **Appendix A**.

2.2 Site Description

The site description has been prepared following a walkover survey conducted by EnviroSolution Ltd on the 29th of November 2025. The site photographs are included in **Appendix B**.

The site is Irregular in shape and covers an approximate area of 560 square metres. The site slopes gently to the south from about 109m aOD to 107m aOD. A 2.5m retaining wall is present along the southern boundary along Bamford Road.

The site is accessed via a single track leading northwest from Bamford Road.

The site is occupied by a garage/ barn structure with 3 rooms which feature a solid concrete floor. A vehicle inspection pit is present in the western room. Possible asbestos sheeting was identified in the roof materials.

A small domestic wooden shed is present to the north of the garage.

The vacant property of Oakwood Cottage is located to the north of the site.

The River Roch is located 40m southwest of the site.

The surrounding area is predominantly residential.

The existing site plan is shown on **Figure 2** which is included in **Appendix A**.

2.3 Development Proposals

It is understood that the proposed development plan includes the conversion of the existing garage to 3 no. 2-bed dwellings.

The proposed development plan is shown on **Figure 3** which is included in **Appendix A**.

2.4 Site History

The development site and surrounding area has been reviewed with reference to historical Ordnance Survey (OS) maps. The history of the site and immediate surrounding area is summarised in Table 1. Copies of the historical OS maps are included in **Appendix C**. A search buffer of 250m has been used.

Table 1 - Historic Mapping Review

Date	Scale	On Site	Off Site
1851	1:10,560	The site is undeveloped.	River Roch located 40m southwest of the site. Gas works located 140m south of the site. Simpson Clough Mill located 200m north of the site. Reservoir 130m northeast of the site.
1893	1:500	No significant change.	Chimney located 200m east of the site. Simpson Clough Mill disused.
1910	1:2,500	No significant change.	Simpson Clough Mill reopened as dyeing and bleaching works. Cotton mill 100m south of the site.
1930	1:2,500	Garage/ barn built on site.	Oakwood cottage built directly north. Tanks located 130m and 150m south of the site.
1937	1:2,500	No significant change.	No significant change.
1957	1:2,500	No significant change.	Possible landfilling 90m north. Gas holder 70m south of the site. Electrical substation 120m north.

Date	Scale	On Site	Off Site
1975	1:2,500	No significant change.	Gas works demolished.
1987	1:1,250	No significant change.	Simpson Mill demolished. Cotton mill converted to commercial units. Electrical substation 150m southeast of the site. Engineering works 160m southeast of the site. Tank 150m northwest of the site.
1992	1:1,250	No significant change.	Scrapyard 150m south of the site.
2000	1:2,500	No significant change.	No significant change.
2025	1:10,000	No significant change.	Sewage works 150m northwest of the site.

3 Environmental Setting

3.1 Geology

The maps indicate that the majority of the site is directly underlain by superficial till deposits (diamicton), deposited during the Quaternary. The till deposits consist of heterogeneous mixture of clay, sand, gravel, and boulders varying widely in size and shape.

The underlying bedrock is the Pennine Lower Coal Measures Formation which is of Carboniferous age. The Pennine Lower Coal Measures Formation generally consists of interbedded mudstones, siltstones and sandstones with common coal seams.

The nearest geological fault is located approximately 280m northeast of the site.

A borehole log has been obtained from BGS online records from 590m west of the site.

Borehole SD81SW244 shows 6.90m of silty sandy gravelly clay overlying siltstone.

A copy of the geological maps is included in **Appendix D**. A copy of the BGS Borehole is included in **Appendix E**.

3.2 Radon

According to the BGS, the site lies within an elevated band of radon potential where it is estimated that 3-5% of the properties are above the action level (medium probability).

According to the UK radon department, basic radon protective measures are required for this site in accordance with BR211 Radon: Guidance on protective measures for new buildings (including supplementary advice for extensions, conversions and refurbishment projects).

It is recommended that a site-specific radon property search is undertaken.

3.3 Coal Mining Activity

The site falls within a Coal Mining Reporting Area described as having minable coal deposits but does not lie within a 'Development High Risk Area' for coal mining, as defined by the Coal Authority.

The nearest recorded mine entry is located 330m north of the site boundary.

A copy of the Mining Remediation Authority map is included in **Appendix F**.

3.4 Hydrogeology

The maps indicate that the superficial diamicton deposits are designated as a Secondary (Undifferentiated) Aquifer, defined as; has been assigned in cases where it has not been possible to attribute either category A or B to a rock type due to the variable characteristics of the rock type.

The underlying bedrock of Pennine Lower Coal Measures Formation is designated as a Secondary A Aquifer, defined permeable layers that can support local water supplies, and may form an important source of base flow to rivers.

There are 3 no. groundwater abstraction licences located within a 1km radius of the site. The groundwater abstraction information is summarised in Table 2 below:

Table 2 – Water Abstraction Summary

Type	Distance from Site
Industrial, Commercial and Public Services. Paper and printing.	490m N
Industrial, Commercial and Public Services. Boiler feed.	560m N
General agriculture.	775m NE

The site is not located within a Source Protection Zone and there are no Source Protection Zones located within a 1km radius of the site.

A copy of the hydrogeological maps is included in **Appendix G**.

3.5 Hydrology

The River Roch is located 40m southwest of the site. There are no further significant surface water features (rivers, lakes, reservoirs) located within a 1km radius of the site.

Cheesden Brook is located 180m northwest of the site.

A pond is located 120m east of the site.

3.6 Flood Risk

The site lies within a Flood Zone 1 (low probability), land assessed as having less than a 1 in 1,000 annual probability of river flooding (0.01%) in any year (low risk). The completion of a detailed Flood Risk Assessment is not deemed necessary for this site.

A copy of the flood risk map is included in **Appendix H**.

3.7 Waste Management Facilities

There are 10 no. Environment Agency records of historic landfill sites located within a 1km radius of the site. The historic landfill information is summarised in Table 3 below:

Table 3 – Historic Landfill Summary

Landfill Site	Operation Dates	Waste Type	Distance from Site
Buly and Rochdale Road	No Information	Inert, Industrial, Commercial	30m N
Former Gas Holder Site	No Information	No Information	63m S
Simpson Clough Mills	1939 – Unknown	Inert, Industrial, Special	90m N
Hooley Bridge Works	No Information	No Information	133m S
Hooley Bridge	No Information	No Information	195m SE
Roach Mill	No Information	Industrial, Household	210m W
Queens Park Road	Unknown – 1976	Inert	266m SE
Park View	1990 – 1993	Inert, Commercial, Household	390m NE
Peel Lane	1900 – 1975	Inert, Commercial, Household, Industrial, Liquid Sludge	470m SW
Mutual Street	1882 – 1986	Inert	960m SE

There are no Environment Agency records of currently authorised landfill sites located within a 1km radius of the site.

A copy of the landfill map is included in **Appendix I**.

There are 2 no. Environment Agency records of sites operating under an environmental permit for waste operations within a 1km radius of the site. The waster operation permit information is summarised in Table 4 below:

Table 4 – Waste Operation Permit Summary

Operator	Site Category	Distance from Site
James Hartley Scrap Metal Limited	Metal Recycling Site	640m S
Mayer Skip and Excavation Hire Limited	Non-Hazardous waste physical treatment facility	800m S

3.8 Environmental Permits, Incidents and Registers

There are a number of records of sites located within a 1km radius of the development site operating under an environmental permit for discharges to water and groundwater. The nearest is held by United Utilities Water Limited for a storm tank 140m southeast of the site.

There are 3 no. records of pollution incidents recorded by the Environment Agency having occurred within 1 1km radius of the site boundary. The pollution incident information is summarised in Table 5 below:

Table 5 – Pollution Incident Summary

Impact	Pollutant	Distance from Site
Significant to water	Agricultural slurry and dilute slurry	290m N
Significant to water	Other pollutant	250m SE
Significant to land	Inert construction and demolition materials and wastes	910m W

There is a single record of a site located within a 1km radius of the development site operating under an environmental installation permit recorded by the Environment Agency. The permit is held by Union Papertech Limited 220m north of the site for producing paper, pulp and board.

3.9 Designated Environmentally Sensitive Sites

There is a single record of a designated environmentally sensitive site located within a 1km radius of the site. The site lies within the Greenbelt.

A copy of the Environmental Designation Map is included in **Appendix J**.

4 Preliminary Conceptual Site Model

4.1 Introduction

In order to assess the environmental risks, present, a preliminary conceptual model has been developed for the site. This model has been developed using best practice guidelines in conjunction with the current assessment framework taking into account the development proposals. This preliminary conceptual model is based on the gathered desk-based information (e.g., historical OS data and data sourced from the EA, Geoindex and Magic databases).

The conceptual site model is a representation of the hypothesised relationships between sources, pathways and receptors which allows the identification of potential pollutant linkages and whether these linkages have the potential to comprise significant harm and/or pollution of controlled waters in relation to the site. This model comprises three elements:

Source – the key pollutant hazards associated with the site.

Receptor – the key targets at risk from the sources.

Pathway – the means by which the contaminant can cause harm to the receptor.

If all three elements are present, then a potential pollutant linkage exists, and this may require further assessment.

4.2 Potential Contamination Sources

The site has been developed with a garage building and shed since the 1930s. Limited information is available from online planning records regarding the use of the garage but from the walkover survey, it appears that it has previously been used as a commercial vehicle garage with a service trench still present.

As such there is the potential that during its use, minor spillages of fuels and lubricants to have occurred. Contaminants could include heavy metals, polyaromatic hydrocarbons and vapours. Potential asbestos sheeting was noted in the roof structure also.

The site lies within an area of potentially elevated naturally occurring radon gas.

A number of off-site land uses have been identified in the surrounding area that have the potential to contaminate the shallow soils at the site. The land use and its associated contaminants are summarised in Table 6 below:

Table 6 – Off-Site Land Use Summary

Land Use	Potential Contaminants
Cotton Mills	Heavy metals (including cadmium), VOCs, SVOCs, TPH, asbestos, phenols
Electric Sub-Station	PCBs.
Tanks	TPH
Scrapyard	Heavy metals, SVOCs, VOCs, TPH
Engineering Works	Heavy metals, SVOCs, VOCs, TPH
Gas Works / Gasholders	Tar, cyanide, PAHs, TPH, BTEX, phenols and cresols, ash, acids, ammonium, sulphides/ sulphates.
Historic Landfills	Ground gases (carbon dioxide and methane).

4.3 Receptors

The potential receptors considered to be at risk from soil and groundwater contamination associated with the site are summarised in Table 7 below:

Table 7 - Receptor Description

Receptor	Details
Human (On Site)	- Construction workers - Future site users - Site visitors
Human (Off Site)	- Adjacent site users
Controlled Waters	- Secondary (undifferentiated) Aquifer - Secondary A Aquifer - River Roch - Cheesden Brook - Pond - Abstractions
Building/ construction materials	- Foundations - Buried services

Receptor	Details
Environmental Receptors	- Greenbelt

4.4 Pathways

The potential exposure pathways linking contamination with the receptors identified above are summarised in Table 8 below:

Table 8 - Exposure Pathways Summary

Receptor	Details of Exposure Pathway
Human (on-site)	- Direct ingestion of contaminated soil/groundwater - Dermal contact with soil/groundwater - Inhalation of gases and vapours
Human (off-site)	- Inhalation of fibres and particulates - Inhalation of migrating gases and vapours
Controlled waters	- Vertical and lateral migration of dissolved phase contaminants via preferential pathways to groundwater aquifers and surface water features - Direct surface water run-off to surface water features
Building/construction	- Buried materials/services - Contact with contaminated soil and/or groundwater

4.5 Potential Pollution Linkages

4.5.1 Human Health

It is understood that the proposed development plan includes the conversion of the existing garage to 3 no. 2-bed dwellings. This is considered to be a sensitive end-use.

The presence of buildings and hardstanding would eliminate the risk of exposure, via the dermal contact and ingestion pathways to future site users to any ground contamination that may remain following development.

There could be a potential risk of exposure to any ground contamination that remains following redevelopment in any areas of soft landscaping, to future site users, via all possible exposure pathways.

Any ground gases (i.e., methane and carbon dioxide) and vapours that are present within the soils beneath the site could potentially ingress into the existing buildings through preferential pathways (e.g., service entry points). Therefore, there would be a risk of exposure via inhalation to future site users.

There is the potential for construction workers and adjacent land users to be exposed to soil and groundwater contamination during site redevelopment. However, the use of appropriate PPE and the adoption of suitable Health and Safety methods will help to reduce the risks posed to human health during this work.

4.5.2 Controlled Waters

The site is directly underlain by diamicton deposits, which is designated as a Secondary (undifferentiated) Aquifer. Diamicton comprises interbedded clays, sands and gravels which could provide preferential pathways for contamination to sensitive controlled water receptors.

The nearest groundwater abstraction licence is located 490m from the site. Direct contamination of the abstraction water is considered to be unlikely at this distance.

The site is not located within a Source Protection Zone.

The River Roch is located approximately 30m from the site at its closest point, down gradient. Contamination of this controlled water course is considered possible at this distance via lateral migration. The potential for minor surface water features including Cheesden Brook and a pond is considered minimal due to the distance (>120m).

Overall, the risk to controlled waters is deemed to be moderate.

4.5.3 Building/Construction Materials/Buried Services

The presence of any soil and groundwater contaminants beneath the site could potentially impact on construction materials for future new developments, such as below ground structures and services. Concrete foundations are particularly sensitive to aggressive ground conditions, i.e., sulphate attack.

If ground gases and vapour are present in the soil beneath the site, then there would be the potential risk of ingress into the properties which could present a risk of explosion.

4.6 Environmental Designations

The proposed development is not considered to pose a risk to the identified environmental receptors.

4.7 Preliminary Hazard Assessment

A preliminary hazard assessment is presented in Table 9. The preliminary hazard assessment is a qualitative assessment of the risks posed by each potential pollutant linkage described above and is used to identify the requirement for additional work (e.g., intrusive ground investigation).

Table 9 – Preliminary Hazard Assessment

Source 1	Pathway	Receptor	Likelihood	Effect	Risk	Assessment
Contaminated soil/groundwater	Ingestion (via soil dust), inhalation (via soil dust and particulates), Ingestion through dirty hands, dermal contact with soil/water.	Future site users Adjacent site users Construction workers	3	3	Moderate	On-site contamination source potential identified. Proposed areas of soft landscaping provide potential exposure pathways to future site users. Potential for ingress of soil vapours.
Contaminated soil groundwater	Direct contact	Buildings/services	1	3	Low	On-site contamination source potential identified. Limited new foundations or services proposed.
Contaminated groundwater	Downward or lateral migration Surface water run-off	Secondary (undifferentiated) Aquifer Secondary A Aquifer River Darwen Abstractions	3	3	Moderate	Potentially permeable superficial deposits may provide a preferential pathway for contaminant migration to off-site receptors. The site is not located within a Source Protection Zone. Direct surface water run-off to River Roch possible.
Ground gas / vapours Radon	Inhalation, ingress into buildings	Buildings / services Future site users Adjacent site users	2	4	Moderate	Potential ground gas source identified from off-site landfill sites in close proximity to the site boundary. Site is located within a medium probability area for radon.

Source 1	Pathway	Receptor	Likelihood	Effect	Risk	Assessment
		Construction workers				

Using Risk Matrix (Table 10) Degree of Risk (R) = Likelihood (L) x Effect (E)

Table 10 - Risk Matrix, Degree of Risk (R) = Likelihood (L) x Effect (E)

Likelihood	Description	Probability	Effect (E)	Description
5	Almost certain	>70%		
4	Probable	50-70%	4	Severe
3	Likely	30-50%	3	Medium
2	Unlikely	10-30%	2	Mild
1	Negligible	<10%	1	Minor
Risk (R)	Risk Level	Action		
1-5	Low	None required		
6-10	Moderate	Further assessment via Phase 2 intrusive ground investigation.		
>10	High	Further assessment via Phase 2 intrusive ground investigation.		

5 Conclusions and Recommendations

The preliminary environmental site assessment indicates that the site can be classified as moderate risk in terms of contamination and the risks to the identified receptors (e.g., human health, controlled waters and buildings) is moderate.

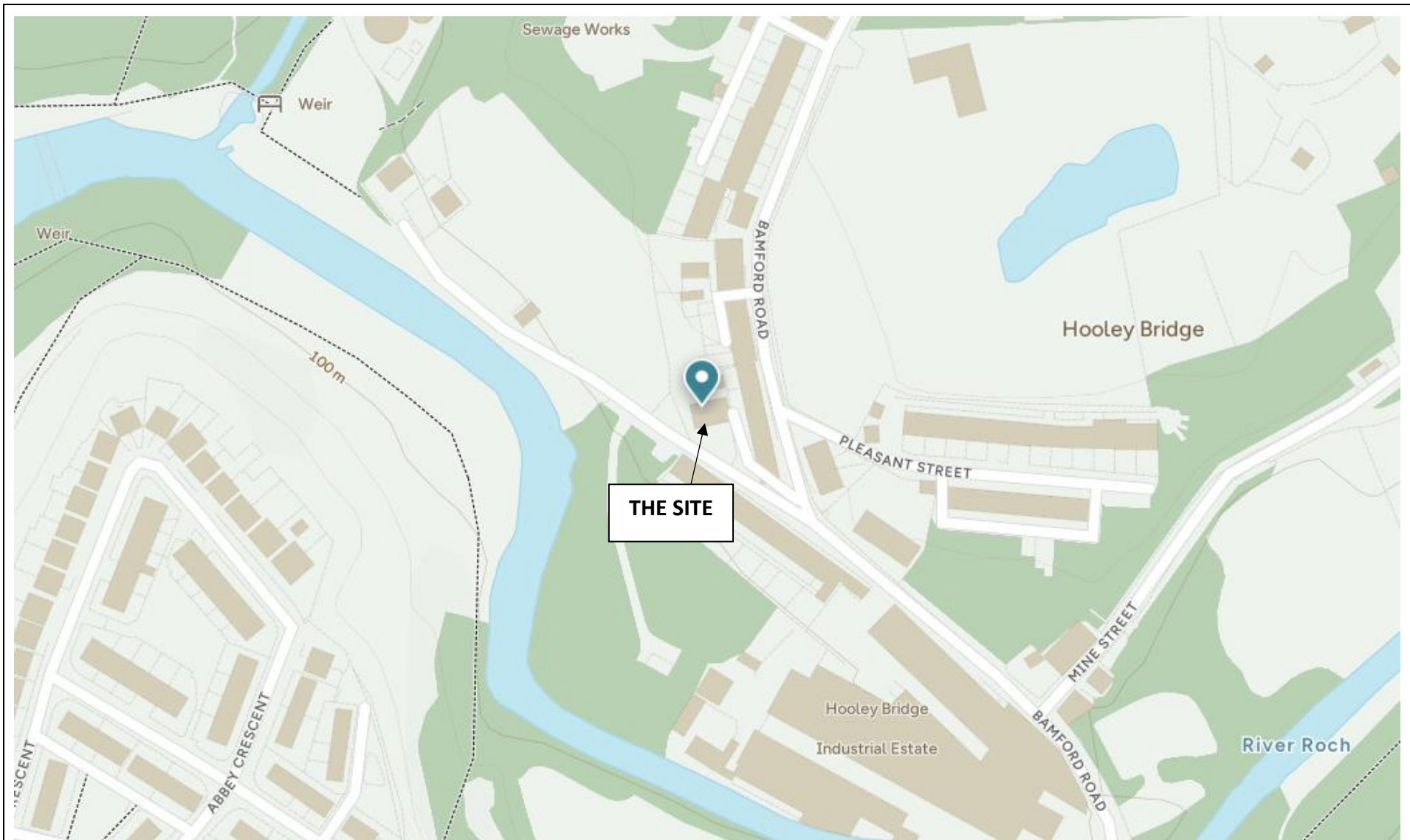
This classification is due to a number of historic on-site and off-site land uses with the potential to have contaminated the shallow soils at the site. These include a historic landfill sites, vehicle repair garage, cotton mills, engineering works and tanks. Associated contaminants include heavy metals, asbestos, hydrocarbons, polyaromatic hydrocarbons (PAHs), solvents, vapours and ground gases (carbon dioxide and methane).

Additionally, the site lies within a medium probability area for naturally occurring radon gas. According to the UK radon department, full radon protective measures are required for this site. It is also recommended to carry out a detailed radon search report for a site-specific assessment.

It is recommended a Phase 2 intrusive ground investigation is undertaken prior to site redevelopment to obtain additional information on the ground conditions and the contamination status. The investigation should be carried out by qualified and competent persons. The scope of works for the investigation will need to be submitted and approved by the local authority prior to the commencement of the Phase 2 intrusive works.

APPENDICES

Appendix A – Site Location and Site Plan



enviro|solution

Site Location Map

Figure 1



enviro|solution

Existing Site Plan

Figure 2



enviro|solution

Proposed Development Plan

Figure 3

Appendix B – Site Photographs



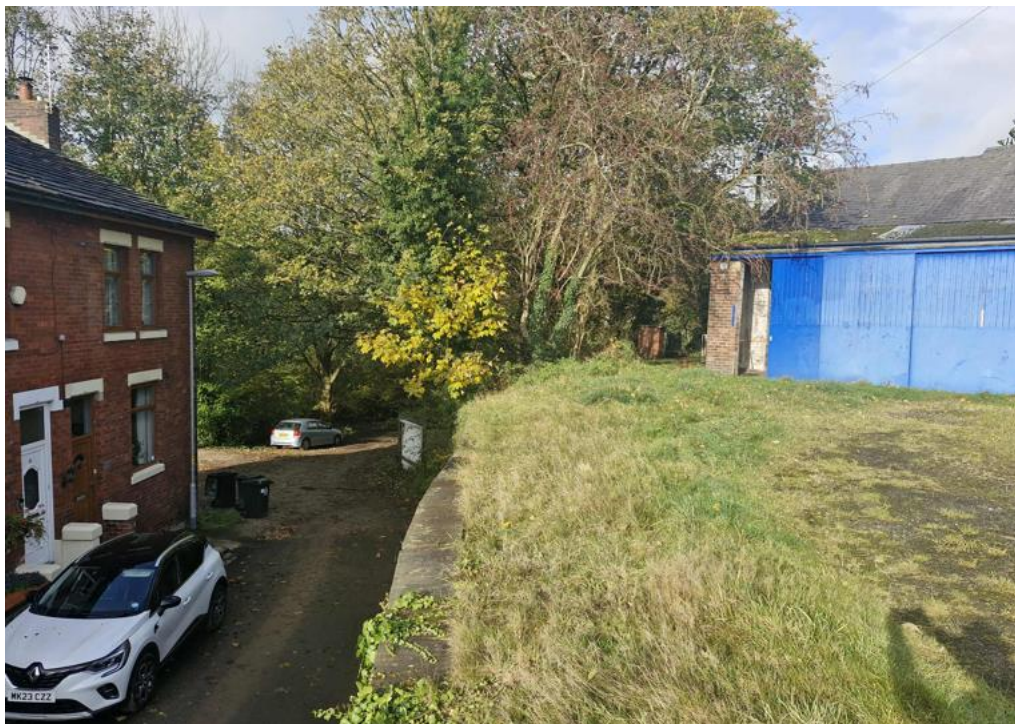
enviro|solution

Looking north along Bamford Road



enviro|solution

Front elevation of building



enviro|solution

Retaining wall along Bamford Road along
southern boundary



enviro|solution

Sewer or culvert entrance located in access
driveway



enviro|solution

Existing cottage to the north



enviro|solution

Inspection chamber



enviro|solution

View of site looking north



enviro|solution

Interior of building



enviro|solution

Shed and southern elevation of building



enviro|solution

Garden area and trees to the north



enviro|solution

Access track looking northwest



enviro|solution

Cottage looking northeast



enviro | solution

Interior of building



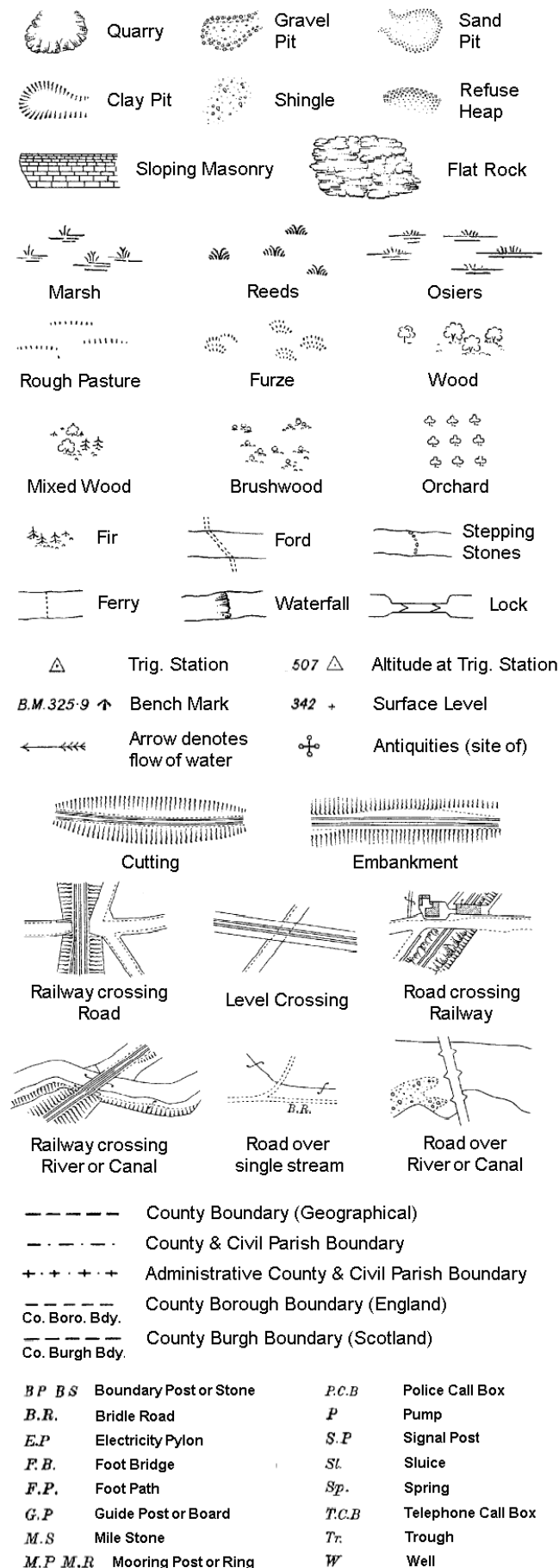
enviro | solution

View of southern area looking southeast

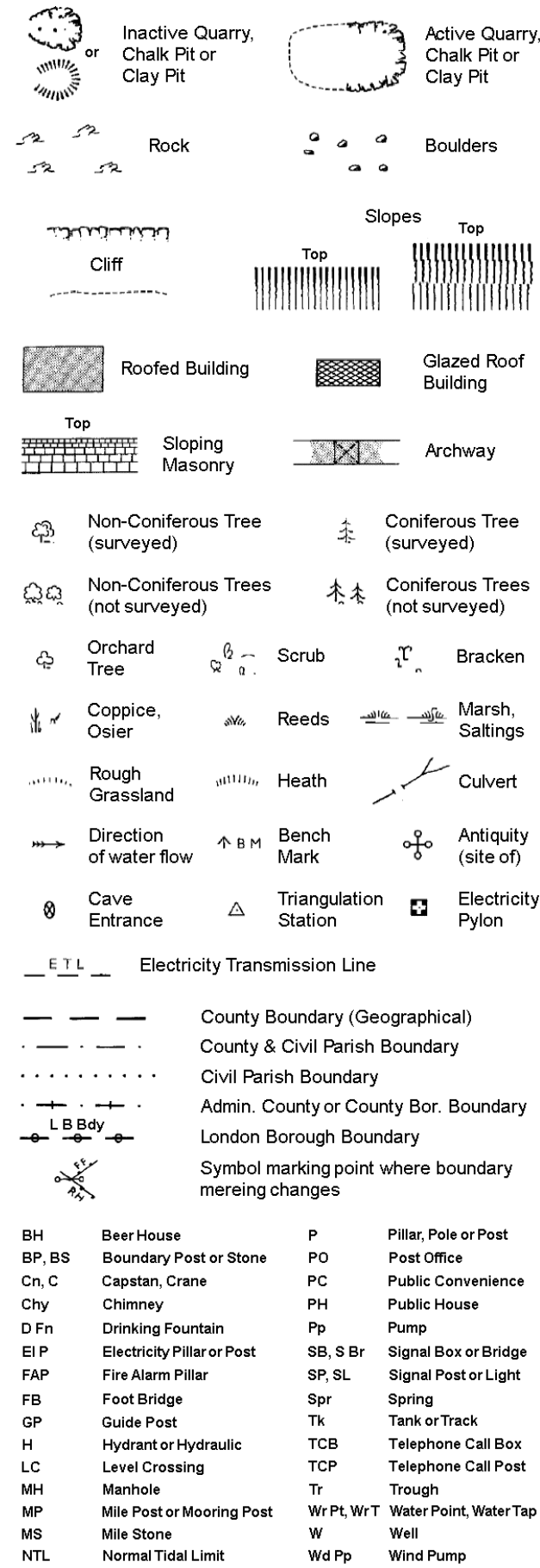
Appendix C - Historical Maps

Historical Mapping Legends

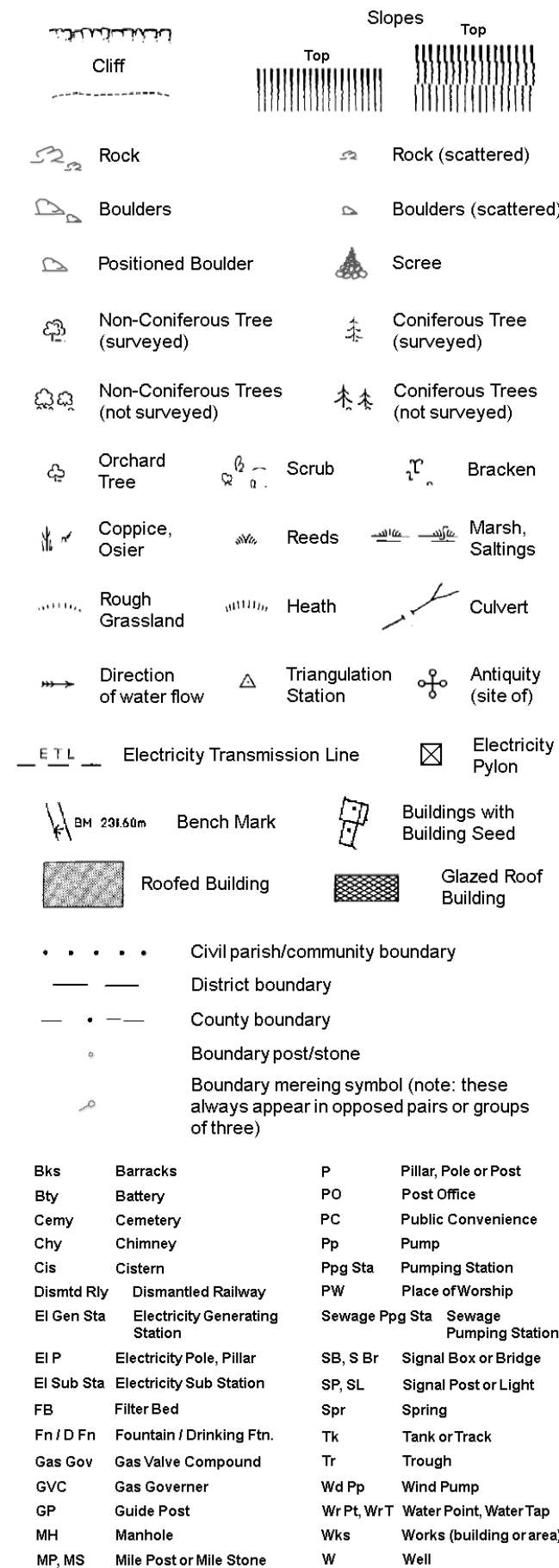
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



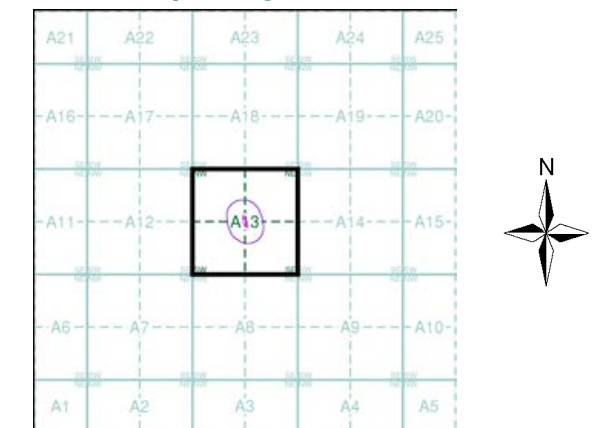
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:2,500	1893	2
Lancashire And Furness	1:2,500	1910	3
Lancashire And Furness	1:2,500	1930	4
Lancashire And Furness	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1957 - 1963	6
Ordnance Survey Plan	1:1,250	1957	7
Additional SIMs	1:2,500	1963	8
Ordnance Survey Plan	1:1,250	1973 - 1981	9
Supply of Unpublished Survey Information	1:1,250	1975	10
Additional SIMs	1:1,250	1978 - 1989	11
Additional SIMs	1:1,250	1987 - 1989	12
Ordnance Survey Plan	1:1,250	1990	13
Large-Scale National Grid Data	1:2,500	1992	14
Large-Scale National Grid Data	1:1,250	1992	15
Historical Aerial Photography	1:2,500	2000	16

Historical Map - Segment A13

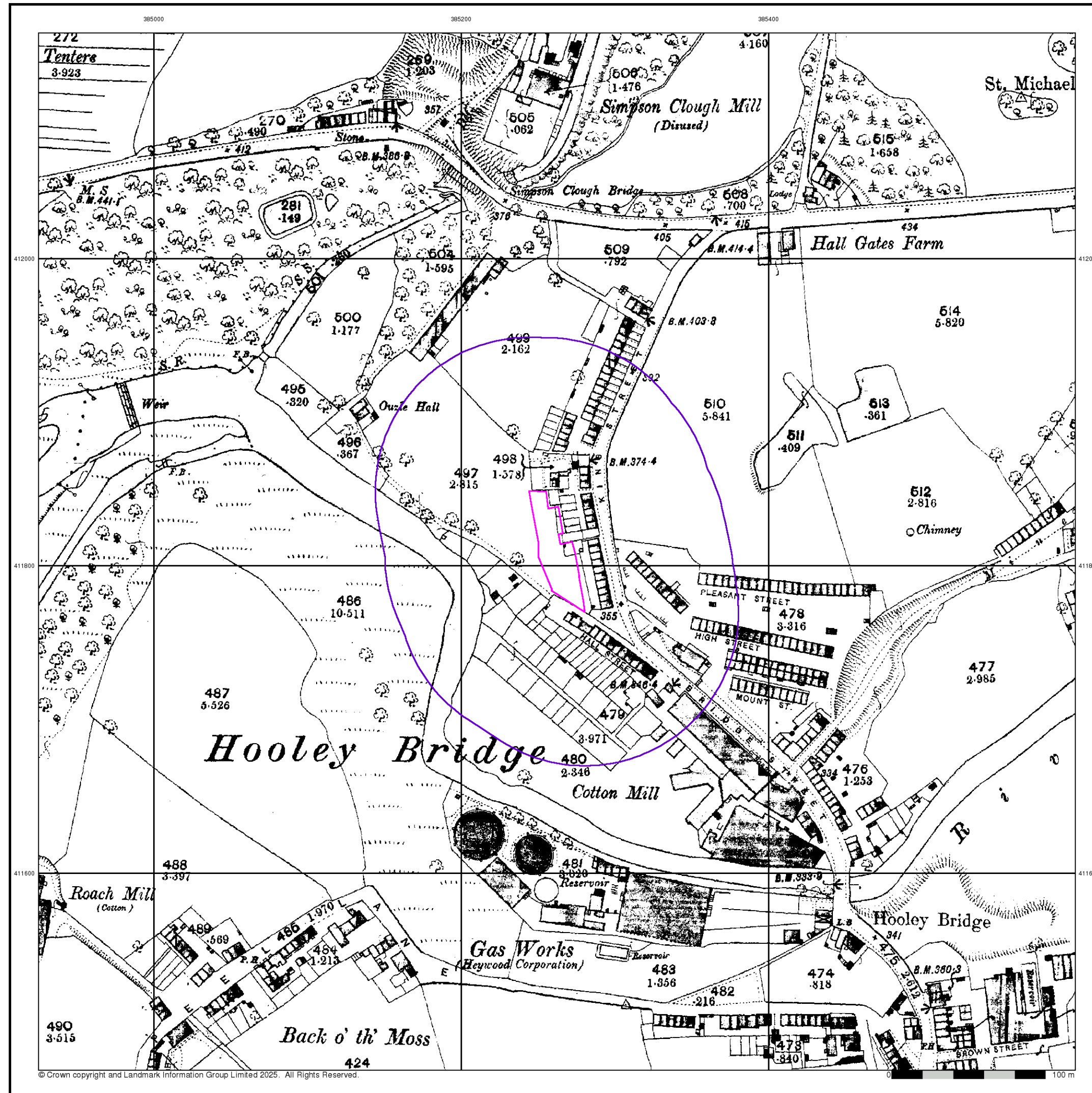


Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

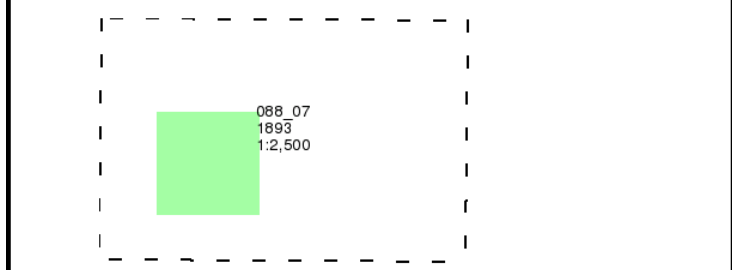
Lancashire And Furness

Published 1893

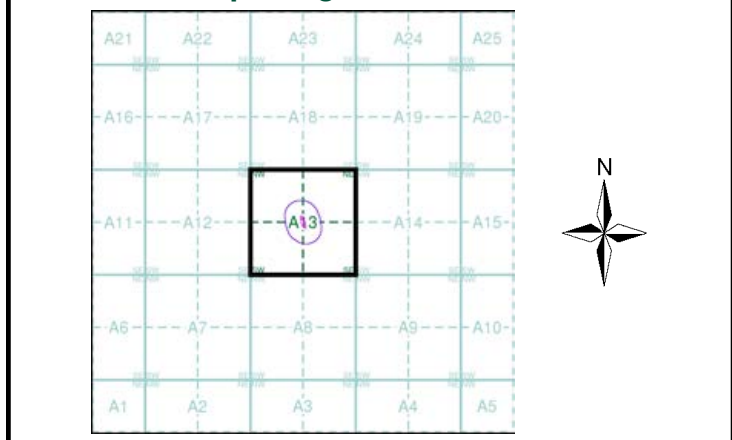
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

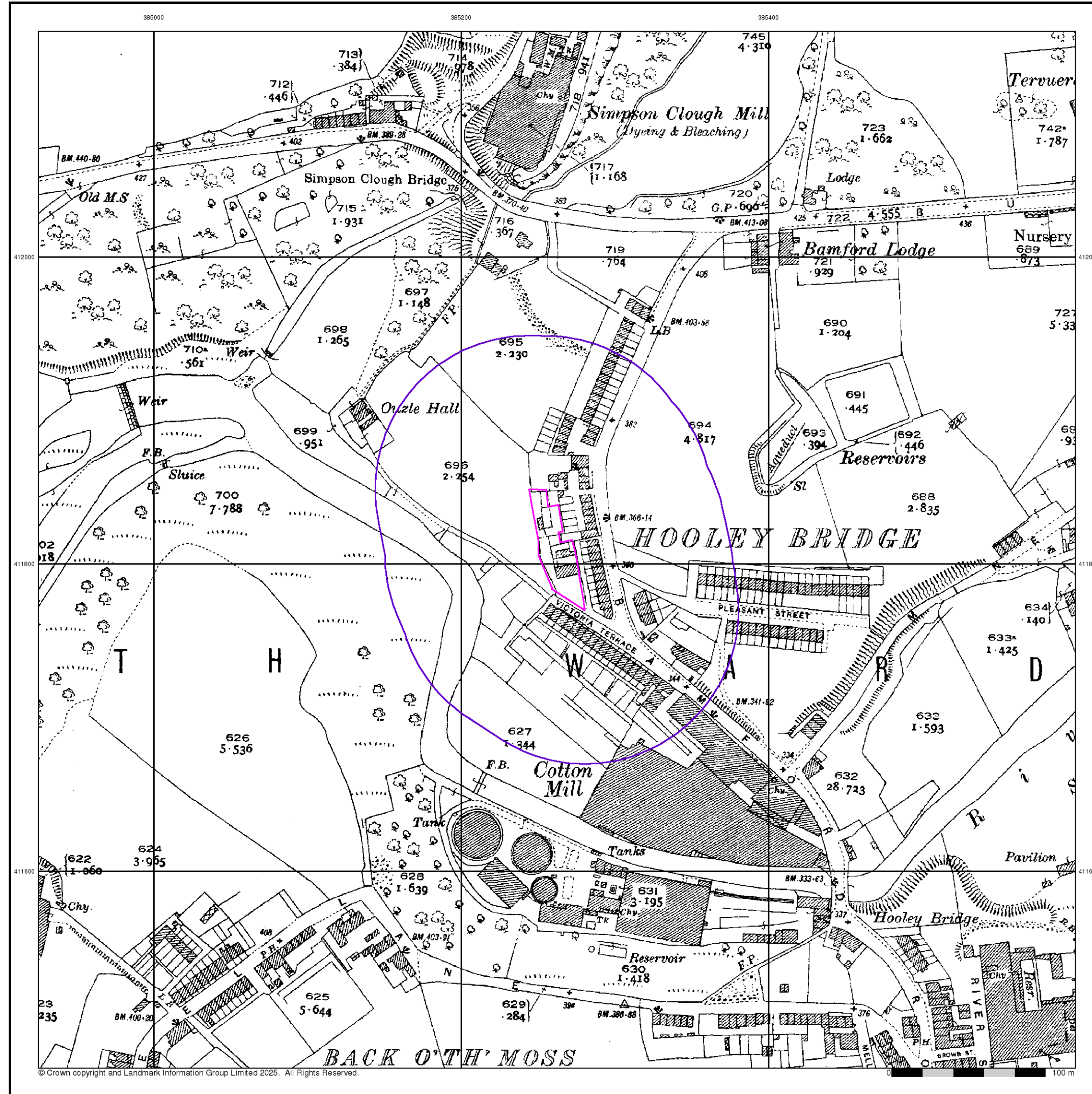


Historical Map - Segment A13



Order Details	
Order Number:	389287771_1_1
Customer Ref:	ES031125
National Grid Reference:	385260, 411810
Slice:	A
Site Area (Ha):	0.14
Search Buffer (m):	100

Site Details
Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



Envirocheck®

LANDMARK INFORMATION GROUP®

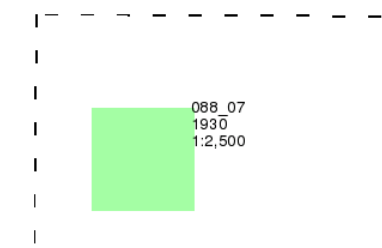
Lancashire And Furness

Published 1930

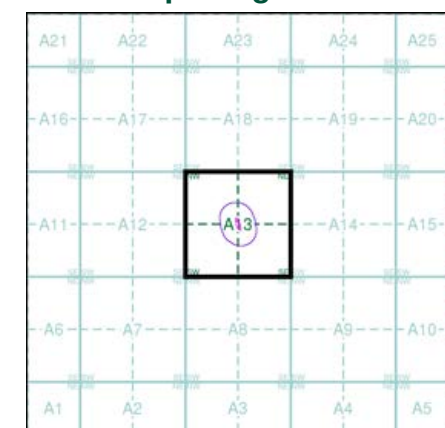
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark
INFORMATION GROUP

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

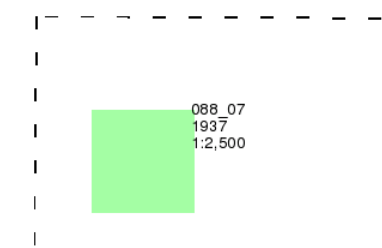
Lancashire And Furness

Published 1937

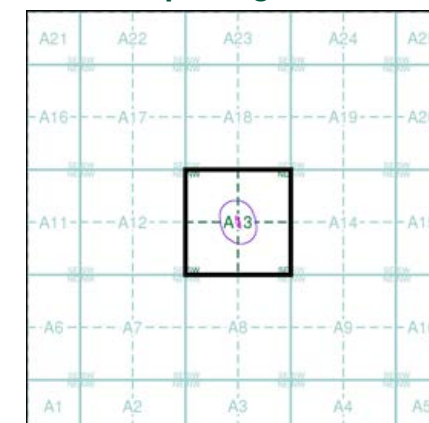
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

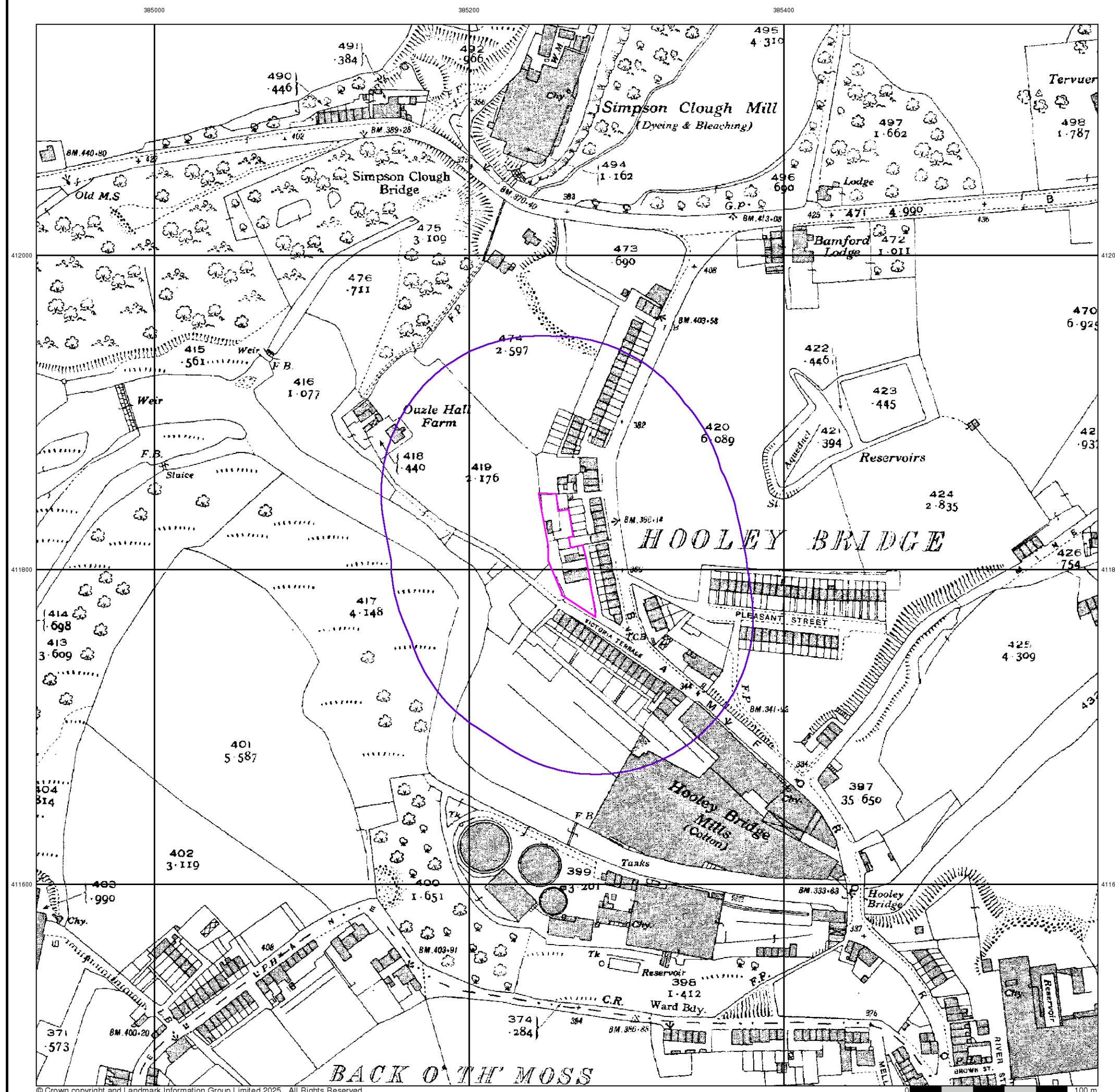


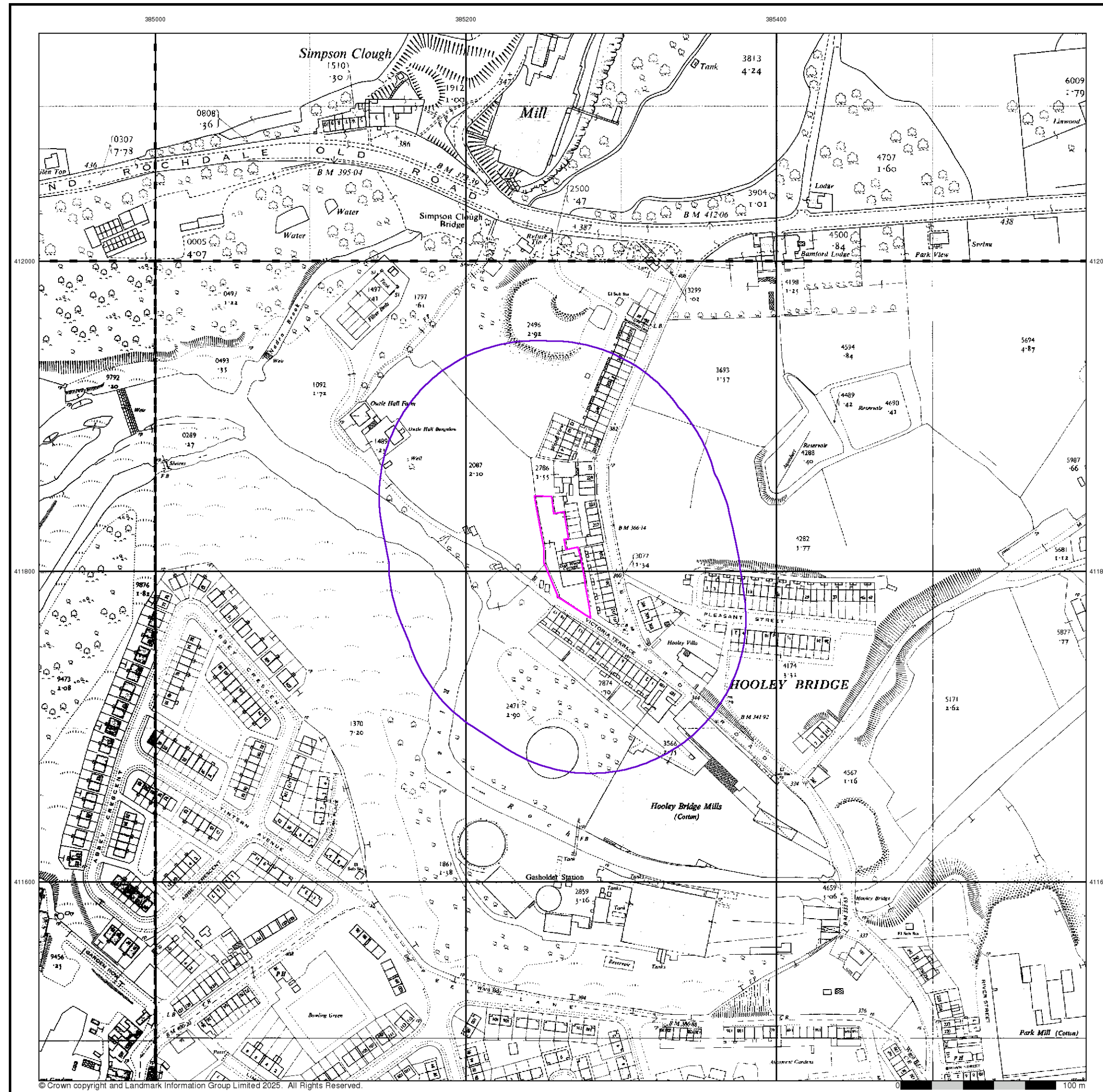
Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG





© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

Ordnance Survey Plan

Published 1957 - 1963

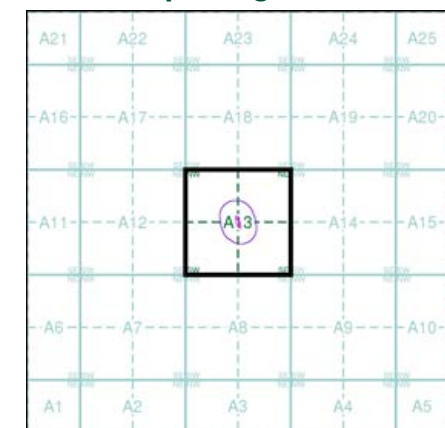
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SD8412 1963 12,500	SD8512 1963 12,500
SD8411 1957 12,500	SD8511 1957 12,500

Historical Map - Segment A13

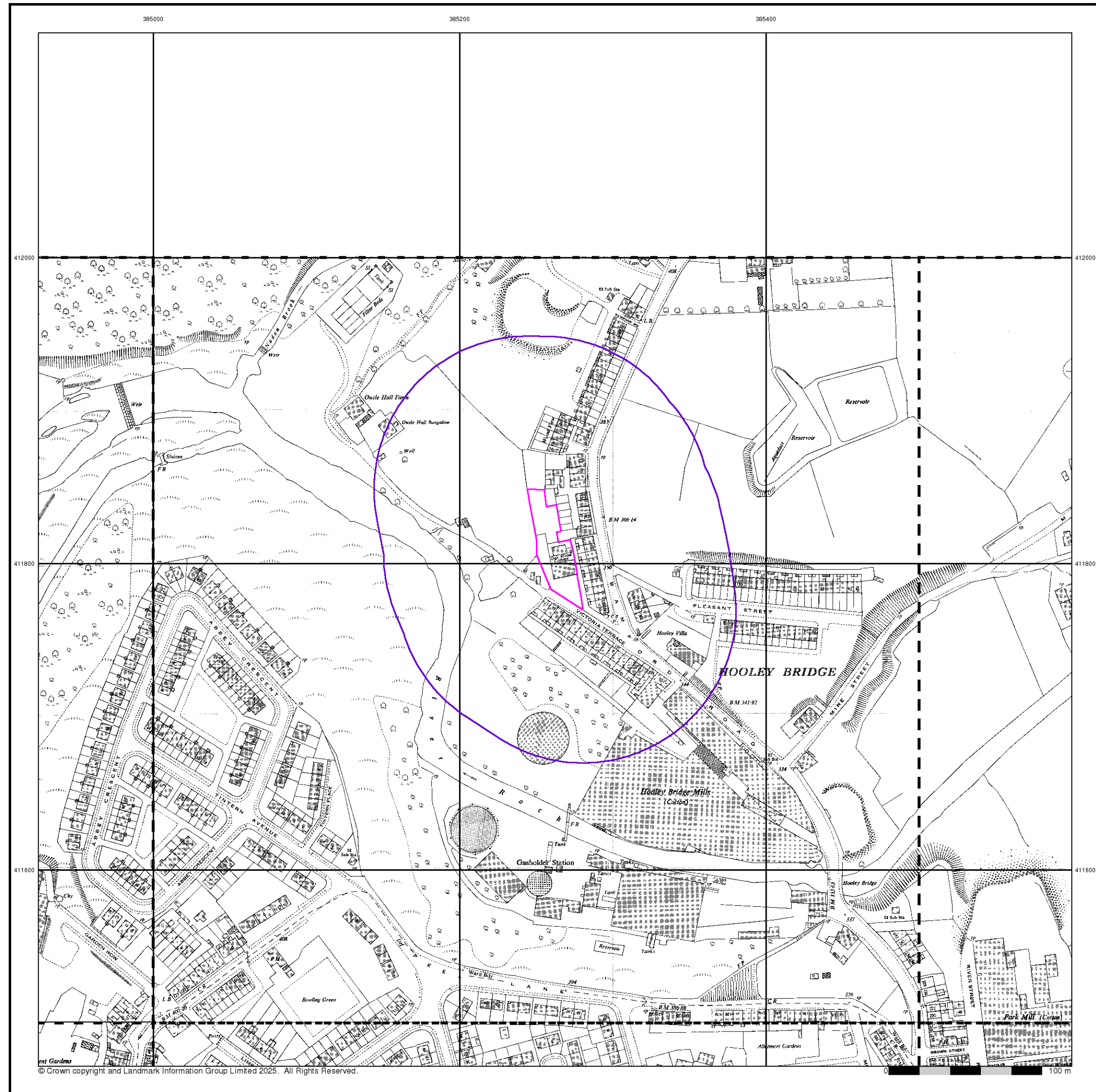


Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Ordnance Survey Plan

Published 1957

Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8411NE 1957 1:1,250	SD8511NW 1957 1:1,250	SD8511NE 1957 1:1,250
SD8411SE 1957 1:1,250	SD8511SW 1957 1:1,250	SD8511SE 1957 1:1,250

Historical Map - Segment A13

Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

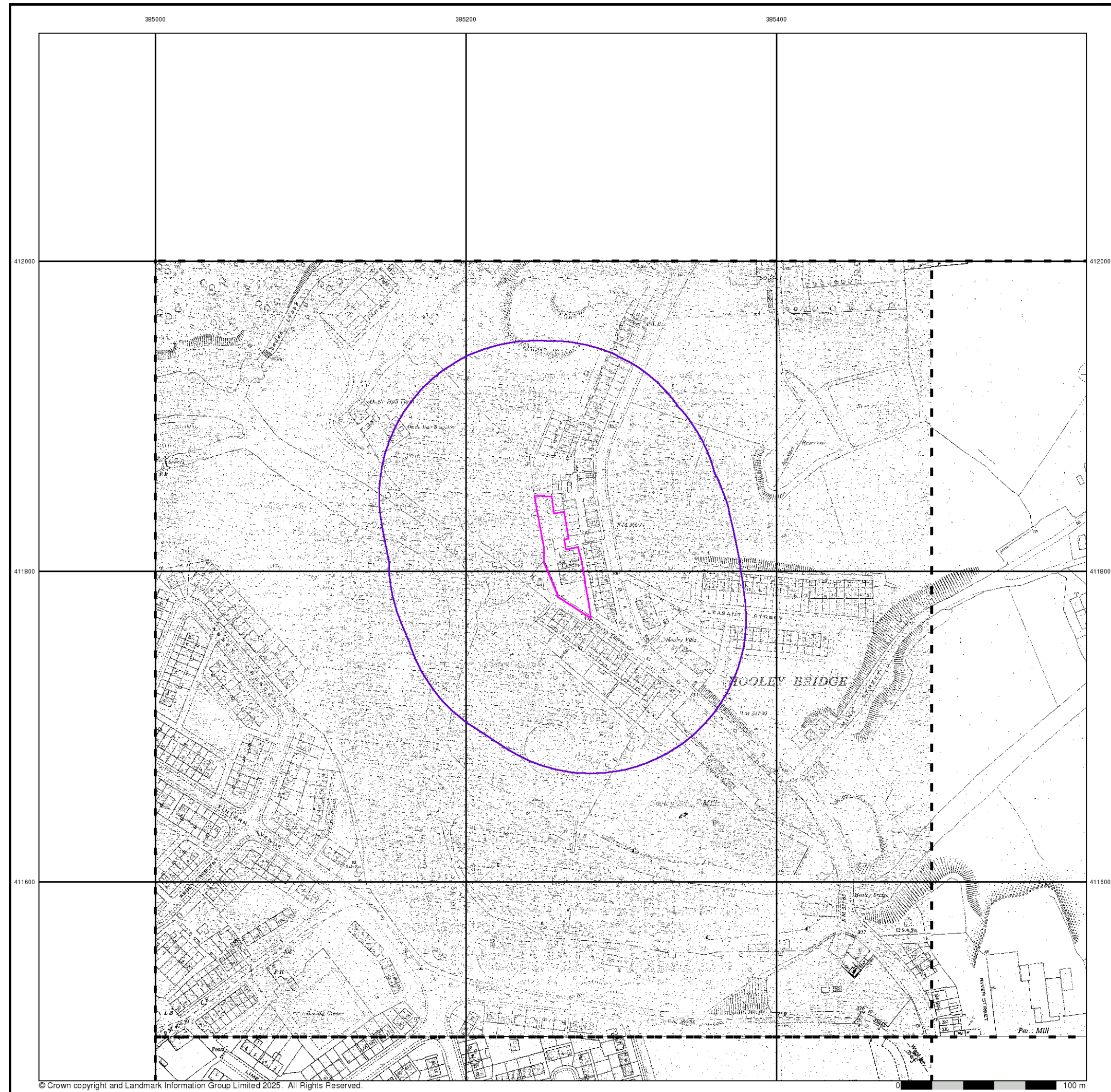
Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark[®]

INFORMATION GROUP

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

A Landmark Information Group Service v50.0 03-Nov-2025 Page 7 of 16



Supply of Unpublished Survey Information

Published 1975

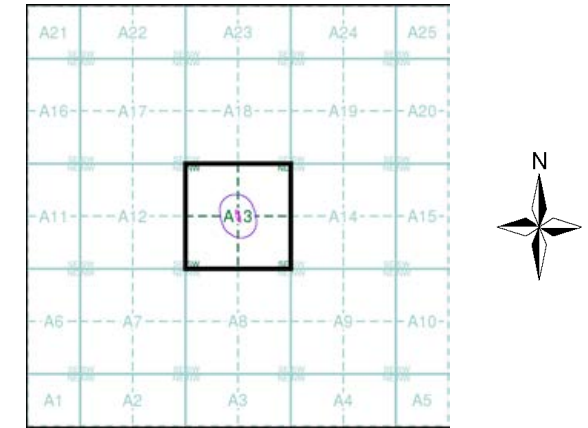
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a 'work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8511NW 1975 1:1,250	SD8511NE 1975 1:1,250
SD8511SW 1975 1:1,250	

Historical Map - Segment A13



Order Details

Order Number: 389287771_1_1

Customer Ref: ES031125

National Grid Reference: 385260, 411810

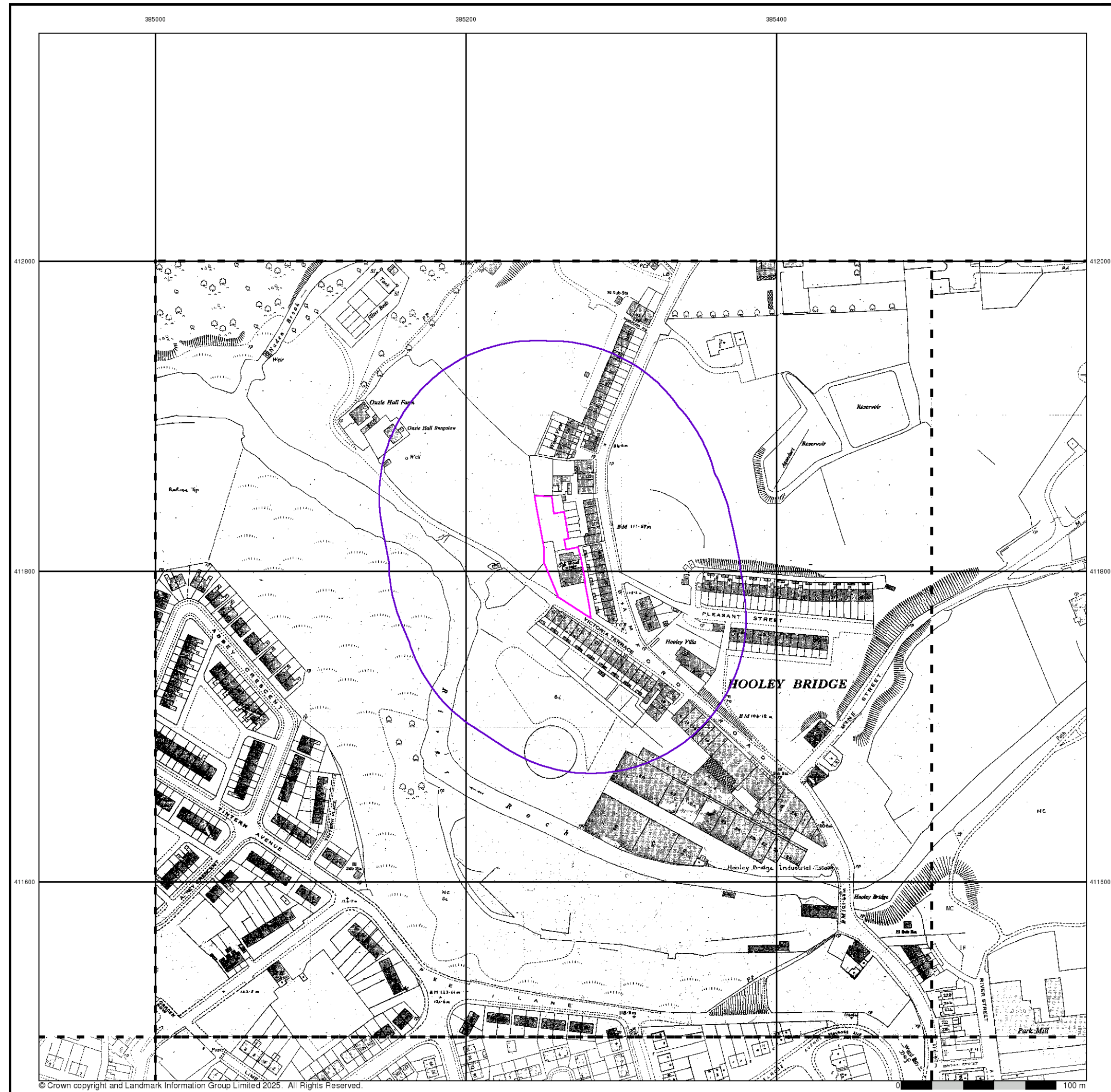
Slice: A

Site Area (Ha): 0.14

Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

Additional SIMs

Published 1978 - 1989

Source map scale - 1:1,250

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 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SD8511NW 1982 1:1,250	SD8511NE 1989 1:1,250	
SD8411SE 1978 1:1,250	SD8511SW 1979 1:1,250	SD8511SE 1985 1:1,250

Historical Map - Segment A13

Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

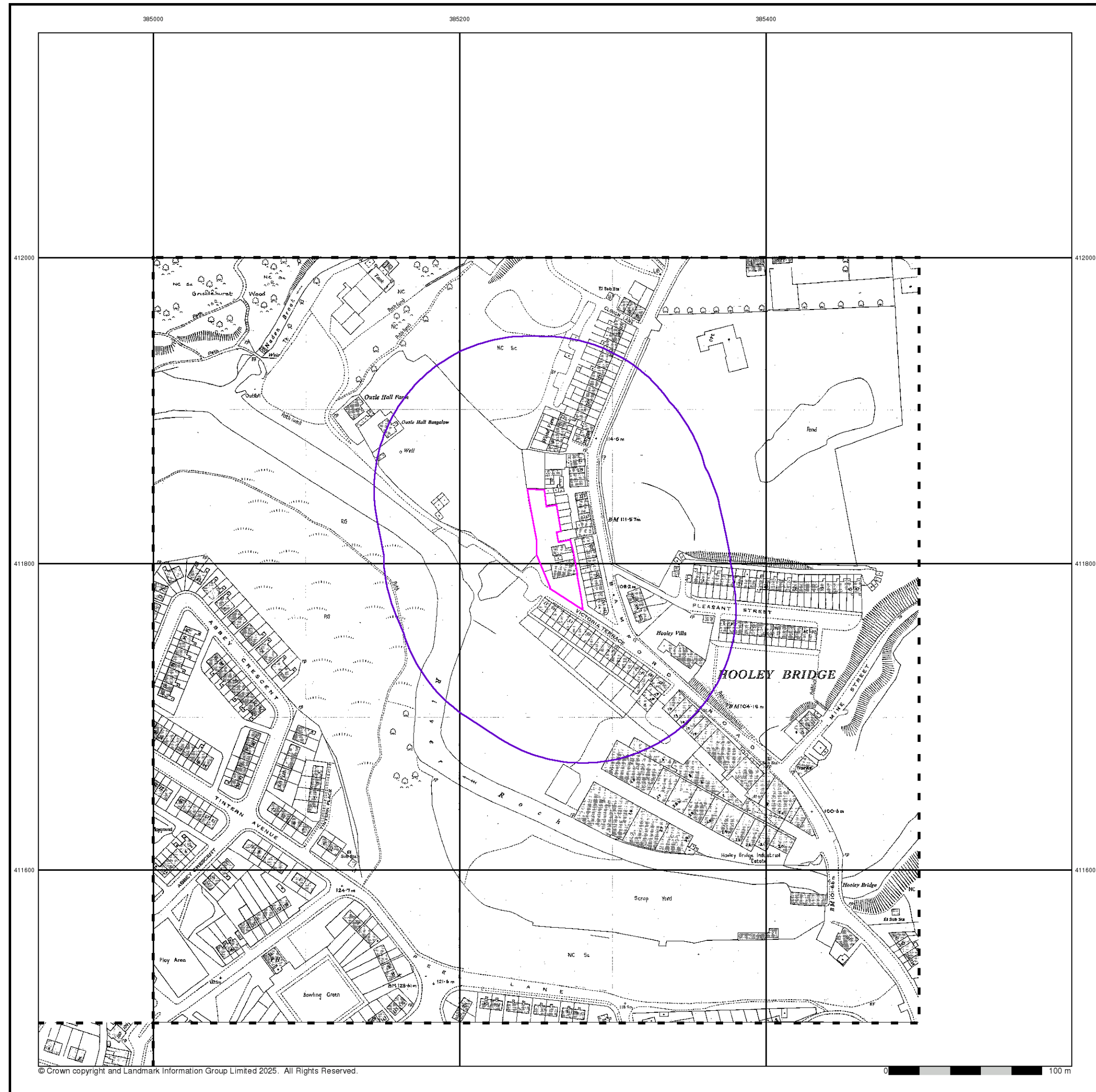
Landmark[®]

INFORMATION GROUP

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

© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

A Landmark Information Group Service v50.0 03-Nov-2025 Page 11 of 16



Additional SIMs

Published 1987 - 1989

Source map scale - 1:1,250

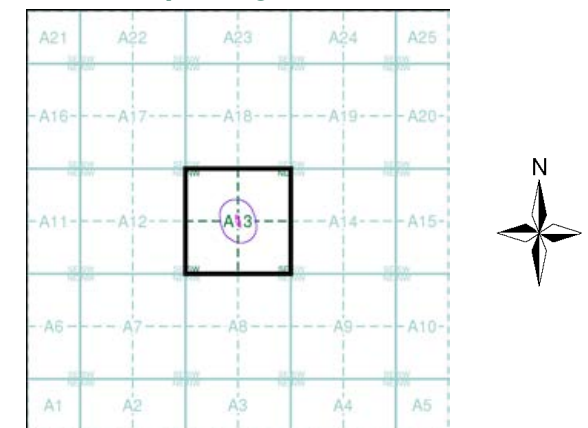
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SD8511NW
1989
1:1,250

SD8411SE
1987
1:1,250

Historical Map - Segment A13

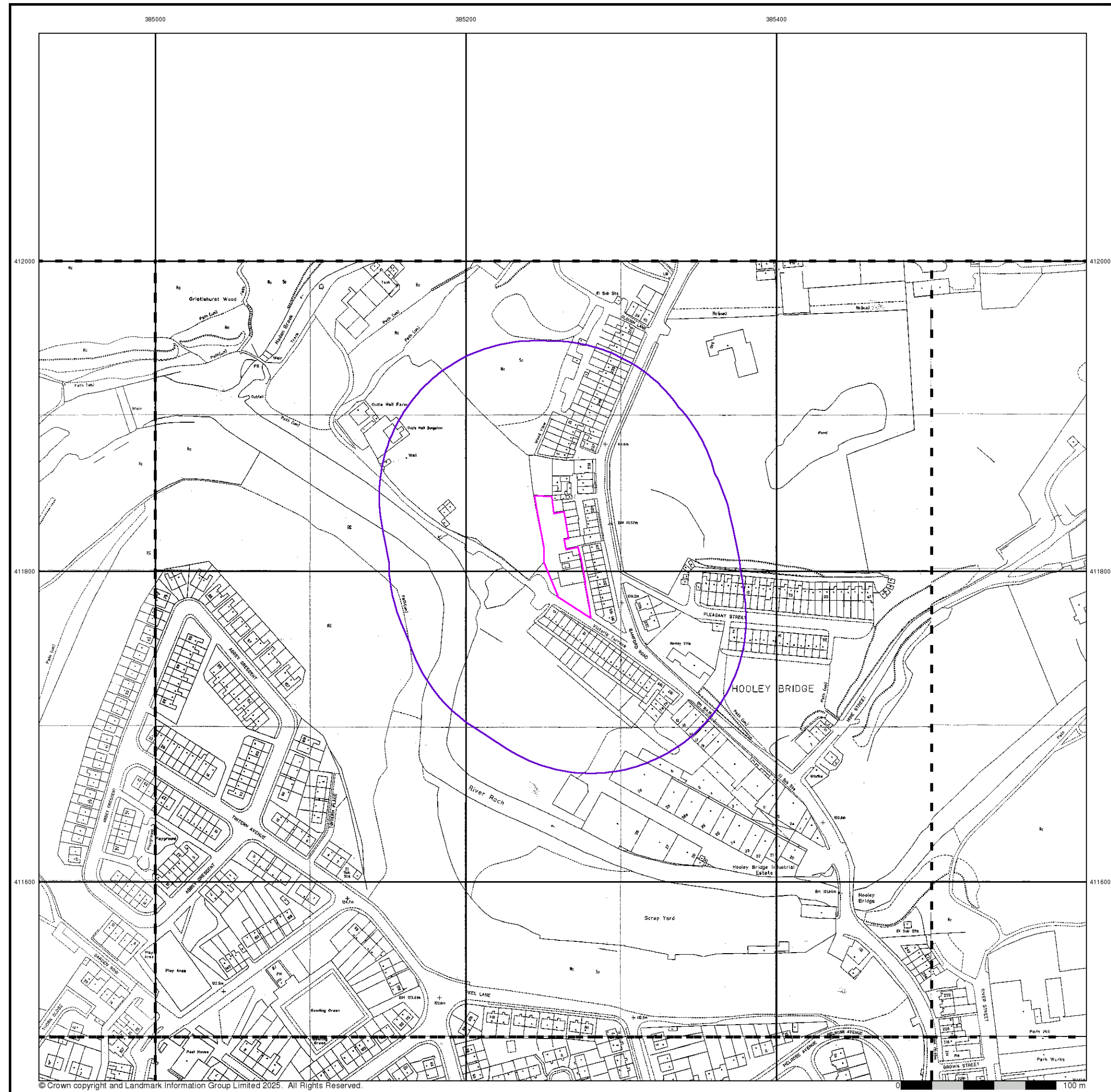


Order Details

Order Number:	389287771_1_1
Customer Ref:	ES031125
National Grid Reference:	385260, 411810
Slice:	A
Site Area (Ha):	0.14
Search Buffer (m):	100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



Large-Scale National Grid Data

Published 1992

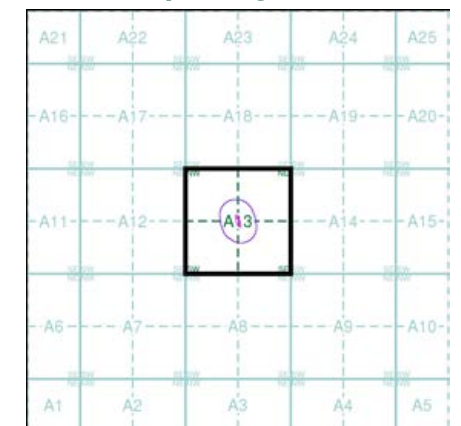
Source map scale - 1:1,250

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

Map Name(s) and Date(s)

SD8411NE 1992 1:1,250	SD8511NW 1992 1:1,250	SD8511NE 1992 1:1,250
SD8411SE 1992 1:1,250	SD8511SW 1992 1:1,250	SD8511SE 1992 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

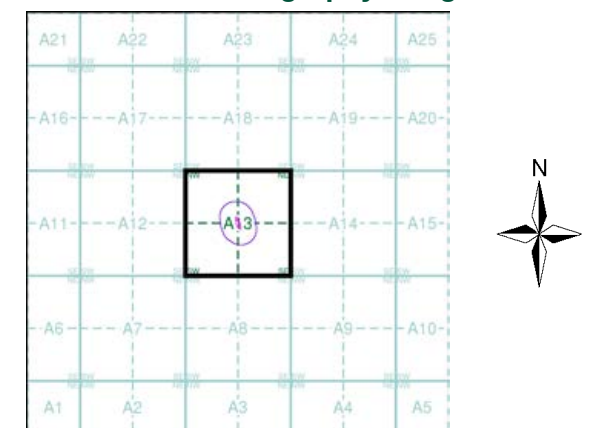


Historical Aerial Photography

Published 2000

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 100

Site Details
Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	•285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	BP, BS Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

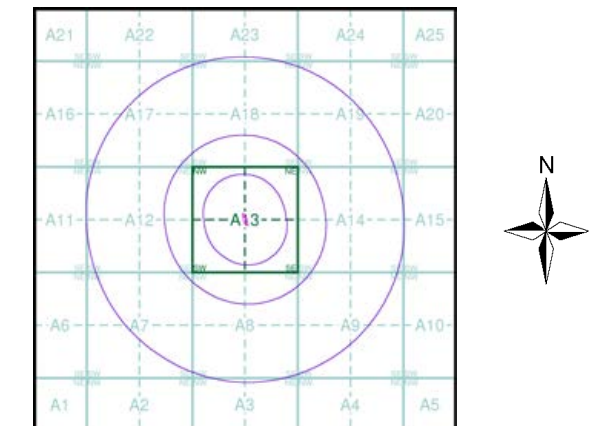
1:10,000 Raster Mapping

	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1931 - 1932	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1967 - 1968	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1977	11
Ordnance Survey Plan	1:10,000	1984 - 1988	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2025	16

Historical Map - Slice A



Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Fireproof Building

Prominent Fireproof Building

Non-fireproof Building

Non-fireproof Building (non-dwelling)

Factory, mill, and flour mill, with chimneys

Factory, mill, and flour mill, without chimneys

Power Station, drawn to scale

Hydroelectric Power Station

Radio Station, drawn to scale

Telephone Station, drawn to scale

Abandoned Open-pit Mine or Quarry

Open-pit Salt Mine

Pit

Oil Deposit or Well

Oil Seepage

Tailings Pile

Fuel Storage Tanks

Natural Gas Tank

Bench Mark

Drill Hole

Burial Mound

Triangulation Point on Burial Mound

Single-track Railroad

Double-track Railroad

Railroad and Station Building

Coniferous Forest

Deciduous Forest

Mixed Forest

Lawns

Citrus Orchard

Wet Ground

Scattered Vegetation

243.8 Values for prominent elevations
186.0 Numbers for spot elevations, depth soundings, contour lines, etc.
0.2 Velocity of the current, width of river bed, depth of river
180/12 Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	Ъ (-)
Д д (D)	Л л (L)	У у (U)	Ы (Y)
Е е (E)	М м (M)	Ф ф (F)	Ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

Government and Administrative Buildings

Military and Industrial Buildings

Military and Communication Areas

Subway Entrance

Partly Demolished Buildings

Demolished Buildings

Built-Up Area with Fireproof Buildings Predominant

Built-Up Area with Non-Fireproof Buildings Predominant

Individual Fireproof Building

Prominent Industrial Building

Individual Dwelling, Fireproof

Ruins of an Individual Dwelling

Factory or Mill Chimney

Factory or Mill with Chimney

Factory or Mill without Chimney

Mine or Open Pit Mine

Operating Shaft or Mine

Non-Operating Shaft or Mine

Salt Mine

Tailings Pile

Pit

Stone Quarry

Gas Pump or Service Station

Fuel Storage or Natural Gas Tank

Oil or Natural Gas Derrick

Small Hydroelectric Power Station

Power Station

Transformer Station

Cemetery

Burial Mound (height in metres)

Triangulation Point on Burial Mound

Triangulation Point

Bench Mark

Bench Mark (monumented)

Telegraph Office

Telephone Station

Radio Station

Radio Tower

Airfield or Seaplane Base

Landing Strip

Telegraph/Telephone Lines

Main Highway

Highway under Construction

Improved Dirt Road (former truck road)

Double-track Railroad with First Class Station

Railroad Under Construction

Shore Embankment

River or Ditch with Embankment

Water Gauge

Water Level Mark

Well

Water Reservoir or Rain Water Pit

Spring

Isobath with value

Heavy (Index) Contour Line

Contour Line and Value

Half Contour Line

Spot Elevation Value

Coniferous

Deciduous

Mixed

Scrub

Key to Numbers on Mapping

SD81_Manchester

No.	Description
226	Factory (Textiles)

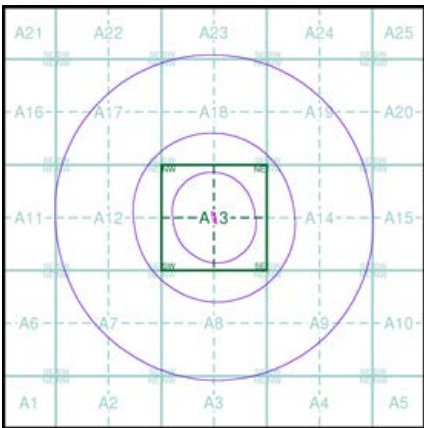
Envirocheck

LANDMARK INFORMATION GROUP

Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Lancashire And Furness	1:10,560	1851	3
Lancashire And Furness	1:10,560	1894	4
Lancashire And Furness	1:10,560	1910 - 1911	5
Lancashire And Furness	1:10,560	1931 - 1932	6
Lancashire And Furness	1:10,560	1938 - 1939	7
Ordnance Survey Plan	1:10,000	1956	8
Ordnance Survey Plan	1:10,000	1967 - 1968	9
Manchester	1:25,000	1975	10
Ordnance Survey Plan	1:10,000	1977	11
Ordnance Survey Plan	1:10,000	1984 - 1988	12
Ordnance Survey Plan	1:10,000	1993	13
10K Raster Mapping	1:10,000	1999	14
10K Raster Mapping	1:10,000	2006	15
VectorMap Local	1:10,000	2025	16

Russian Map - Slice A



Order Details

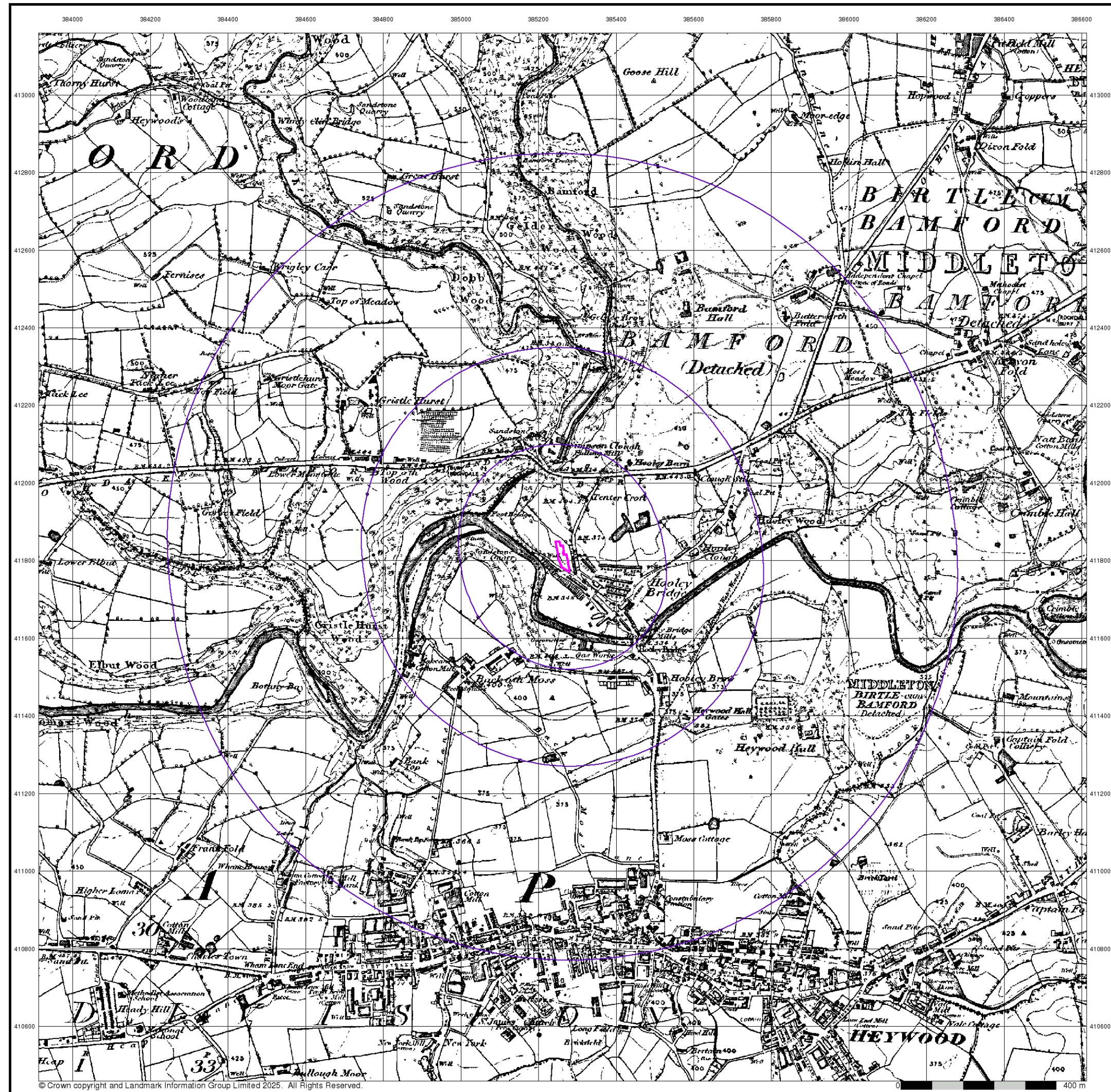
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark
INFORMATION GROUP

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



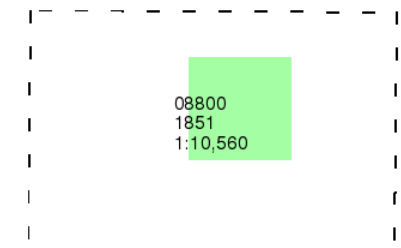
Lancashire And Furness

Published 1851

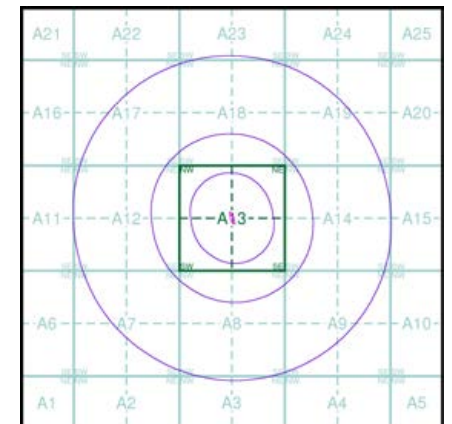
Source map scale - 1:10,560

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

Map Name(s) and Date(s)



Historical Map - Slice A

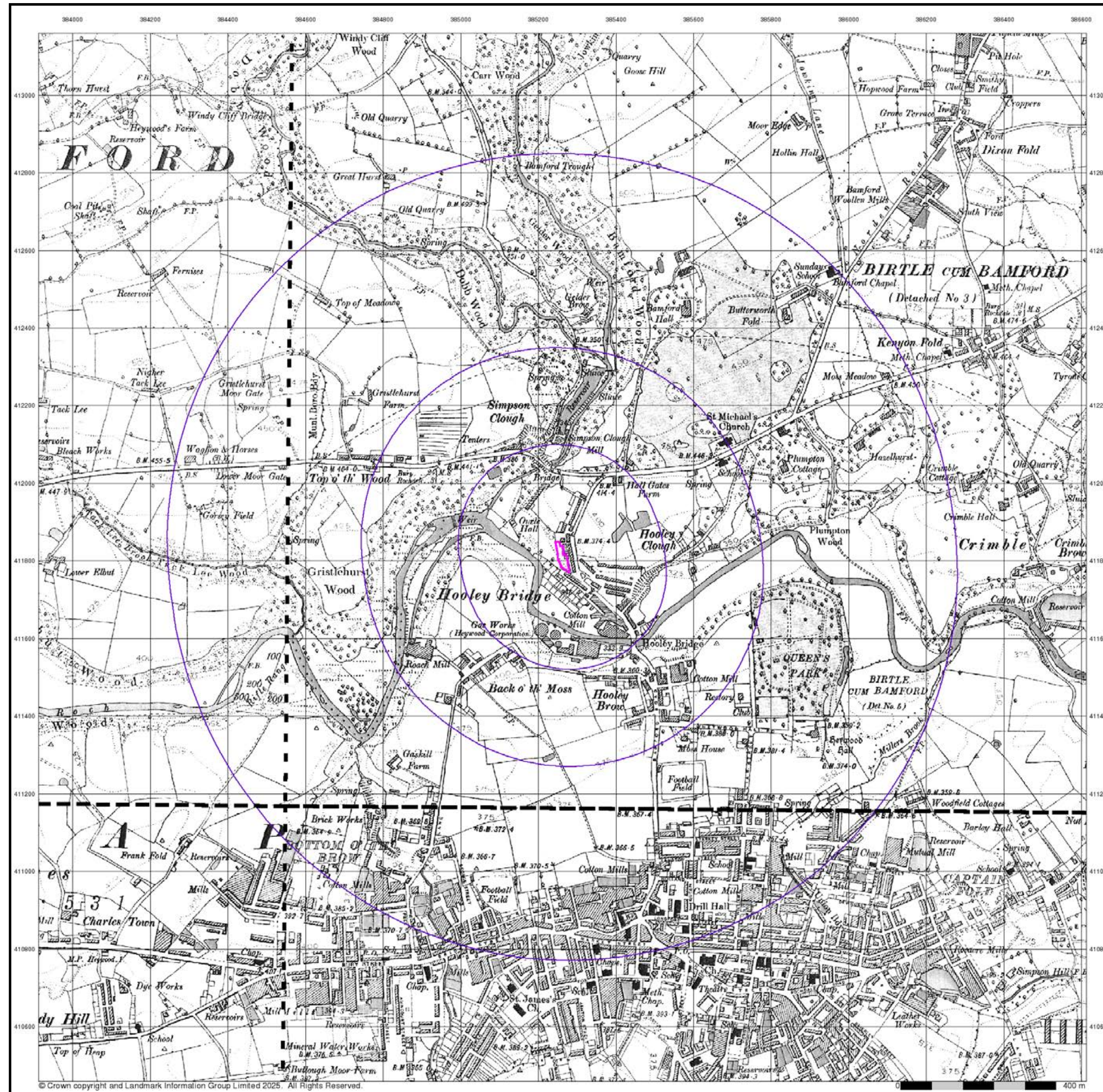


Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

Lancashire And Furness

Published 1894

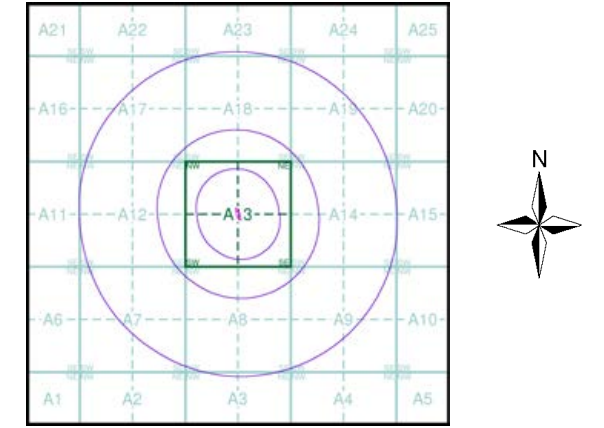
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088NW 1894 1:10,560	088NE 1894 1:10,560
088SW 1894 1:10,560	088SE 1894 1:10,560

Historical Map - Slice A

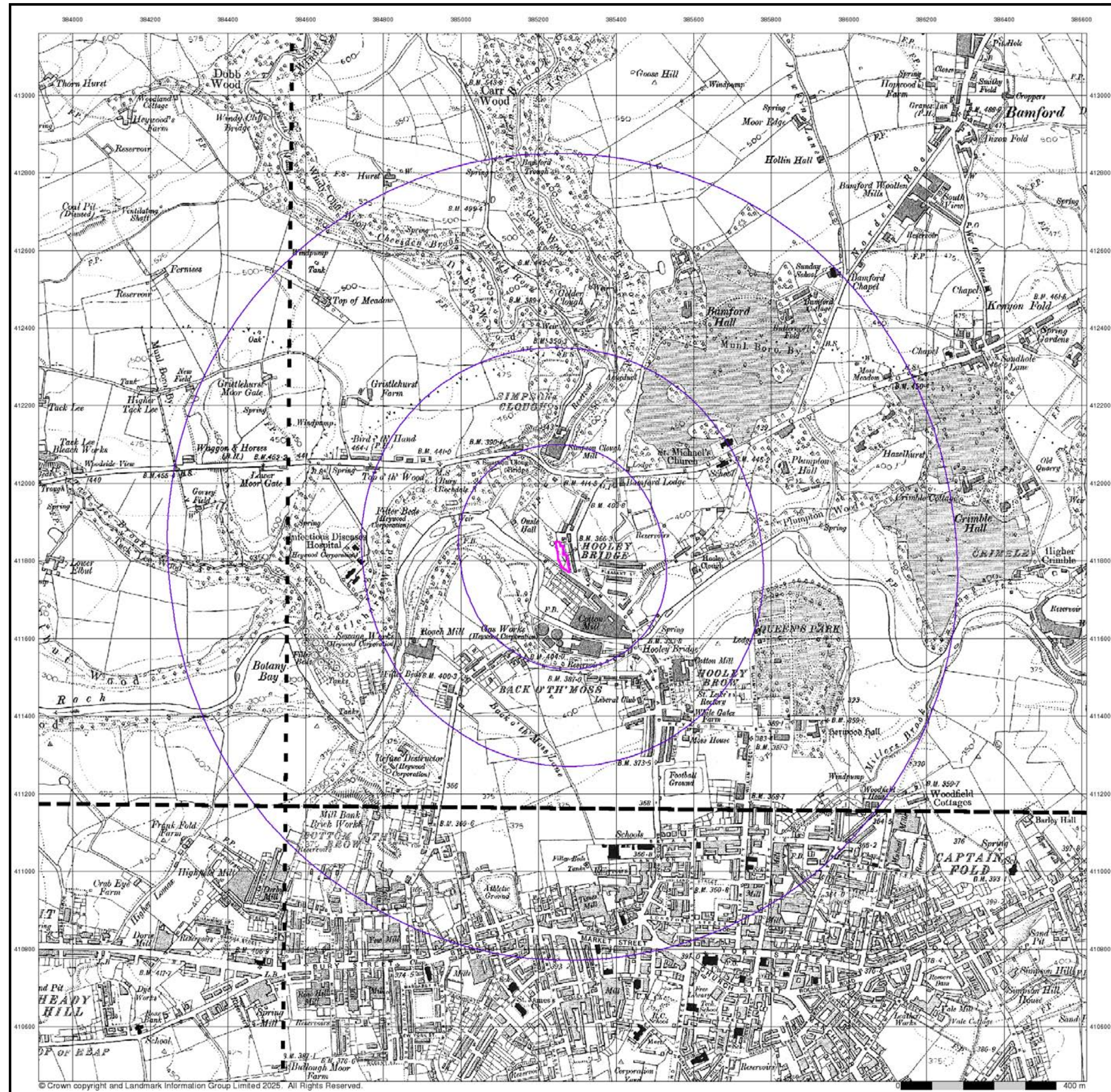


Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



Envirocheck®

LANDMARK INFORMATION GROUP®

Lancashire And Furness

Published 1910 - 1911

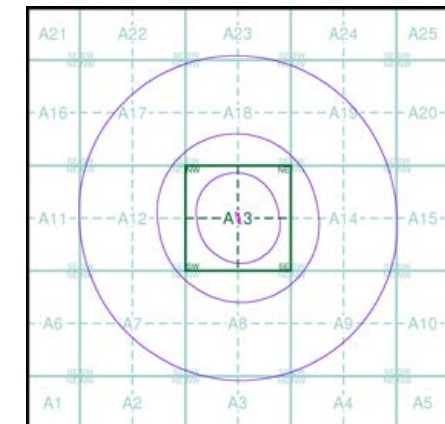
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088NW 1911 1:10,560	088NE 1911 1:10,560
088SW 1910 1:10,560	088SE 1910 1:10,560

Historical Map - Slice A



Order Details

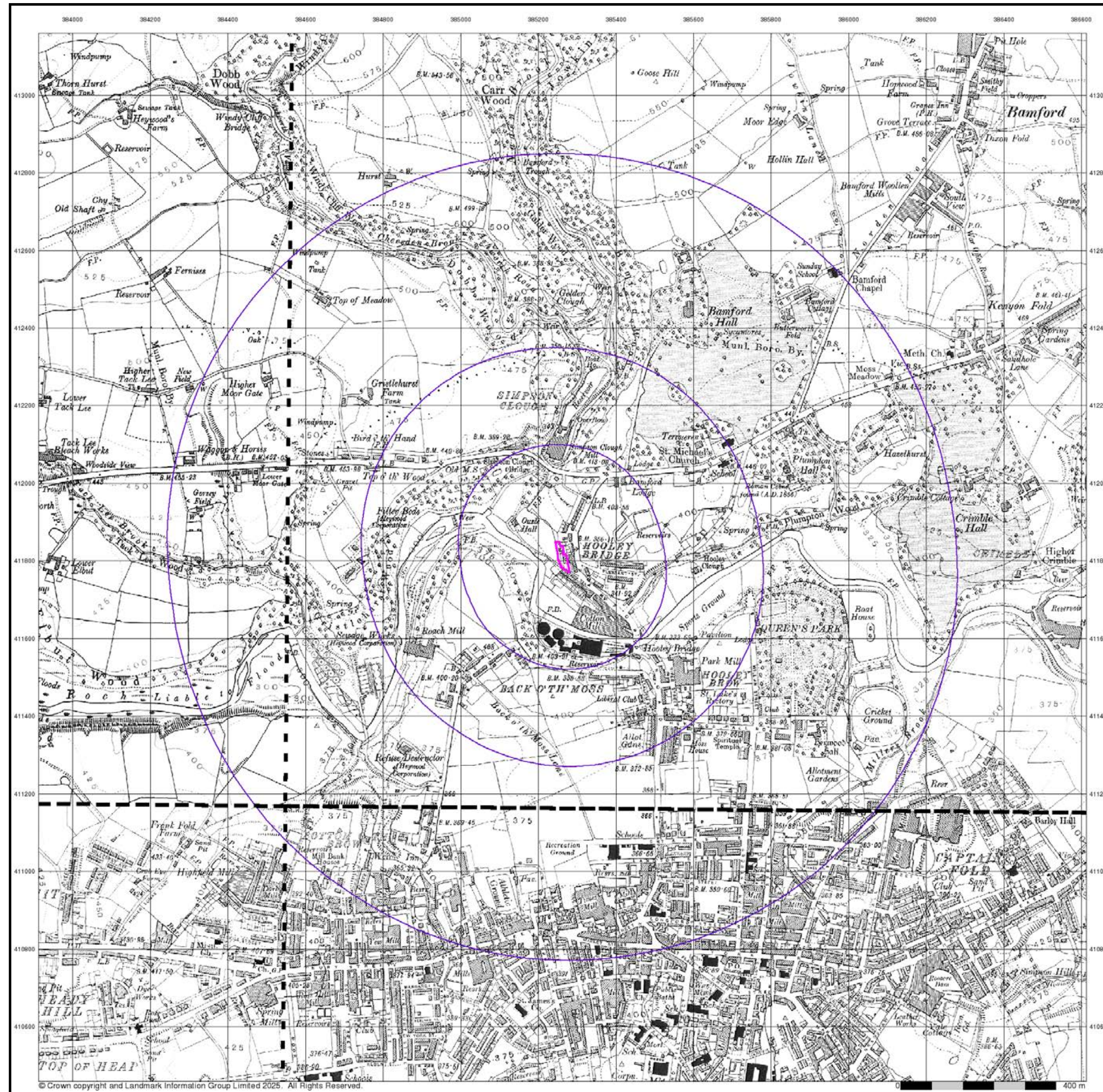
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark®
INFORMATION GROUP

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



Lancashire And Furness

Published 1931 - 1932

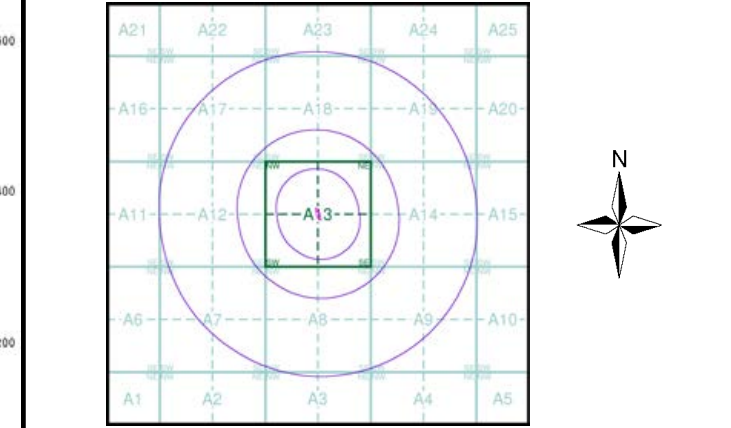
Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088NW 1931 1:10,560	088NE 1932 1:10,560
088SW 1931 1:10,560	088SE 1932 1:10,560

Historical Map - Slice A

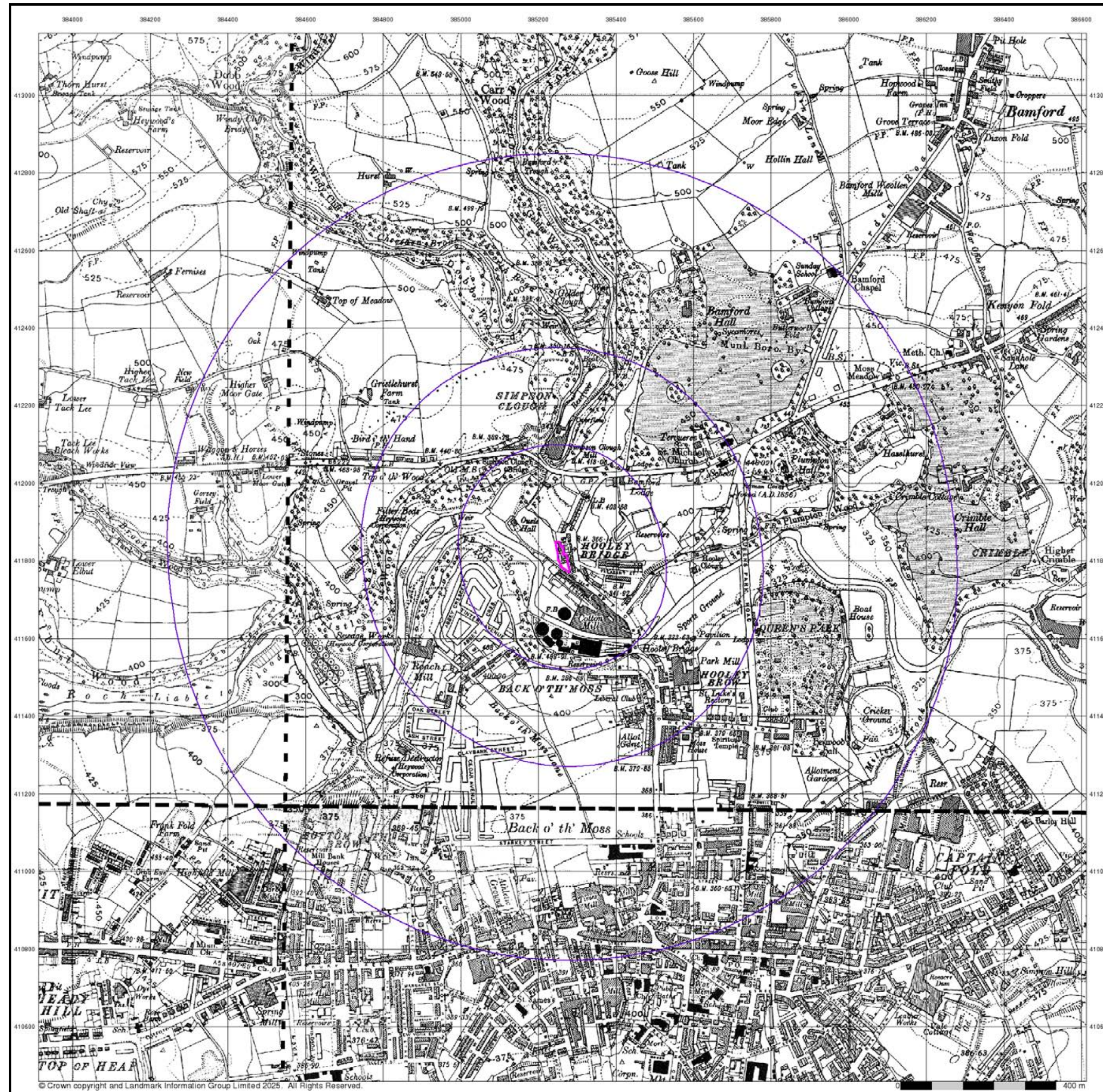


Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 389260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

Envirocheck[®]

LANDMARK INFORMATION GROUP[®]

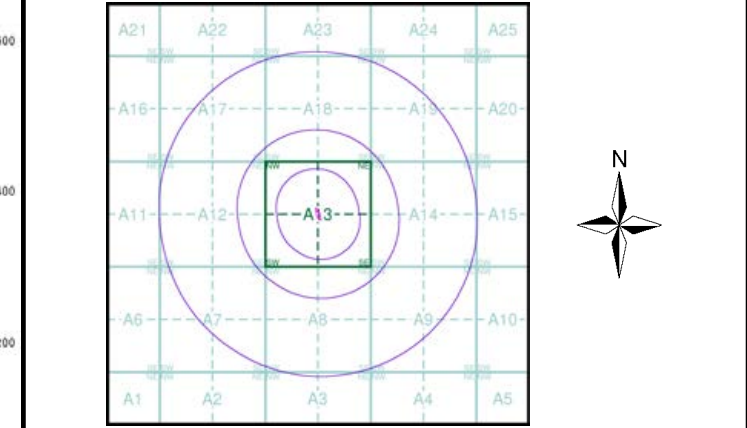
Lancashire And Furness Published 1938 - 1939 Source map scale - 1:10,560

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

Map Name(s) and Date(s)

088NW 1939 1:10,560	088NE 1938 1:10,560
088SW 1938 1:10,560	088SE 1938 1:10,560

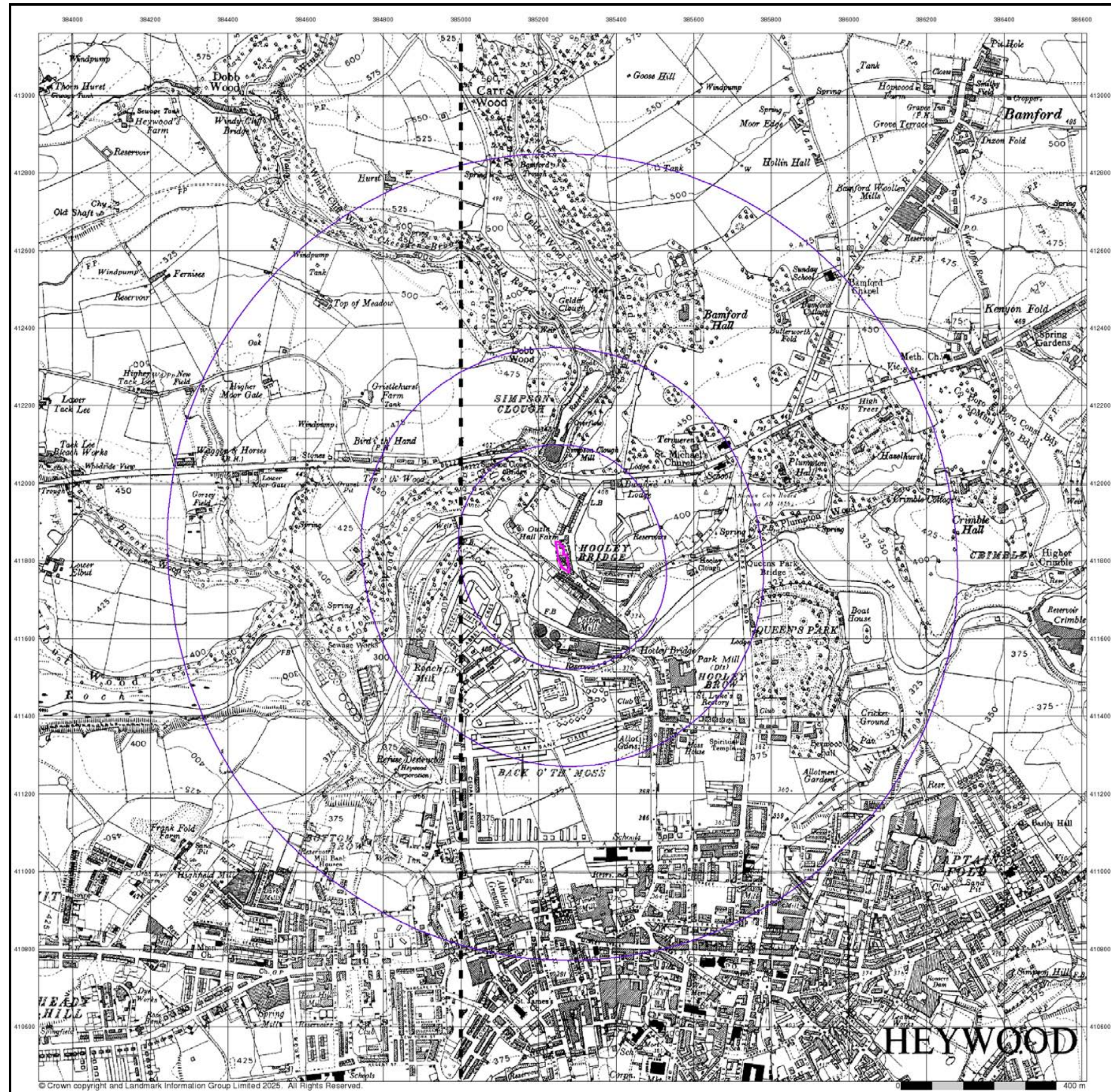
Historical Map - Slice A



Order Details
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details
Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark[®]
INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Envirocheck®

LANDMARK INFORMATION GROUP®

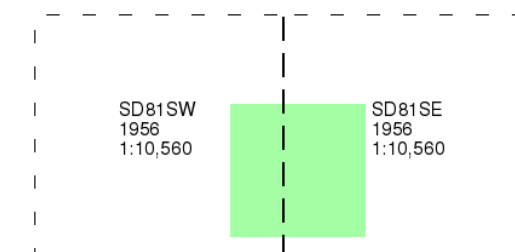
Ordnance Survey Plan

Published 1956

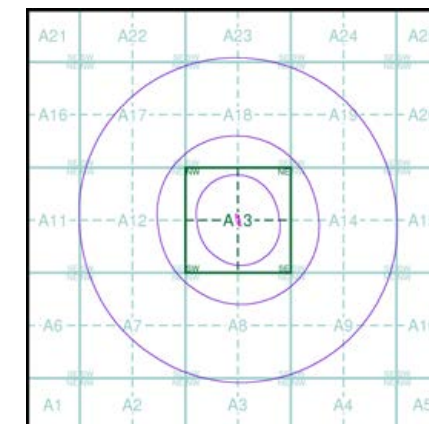
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

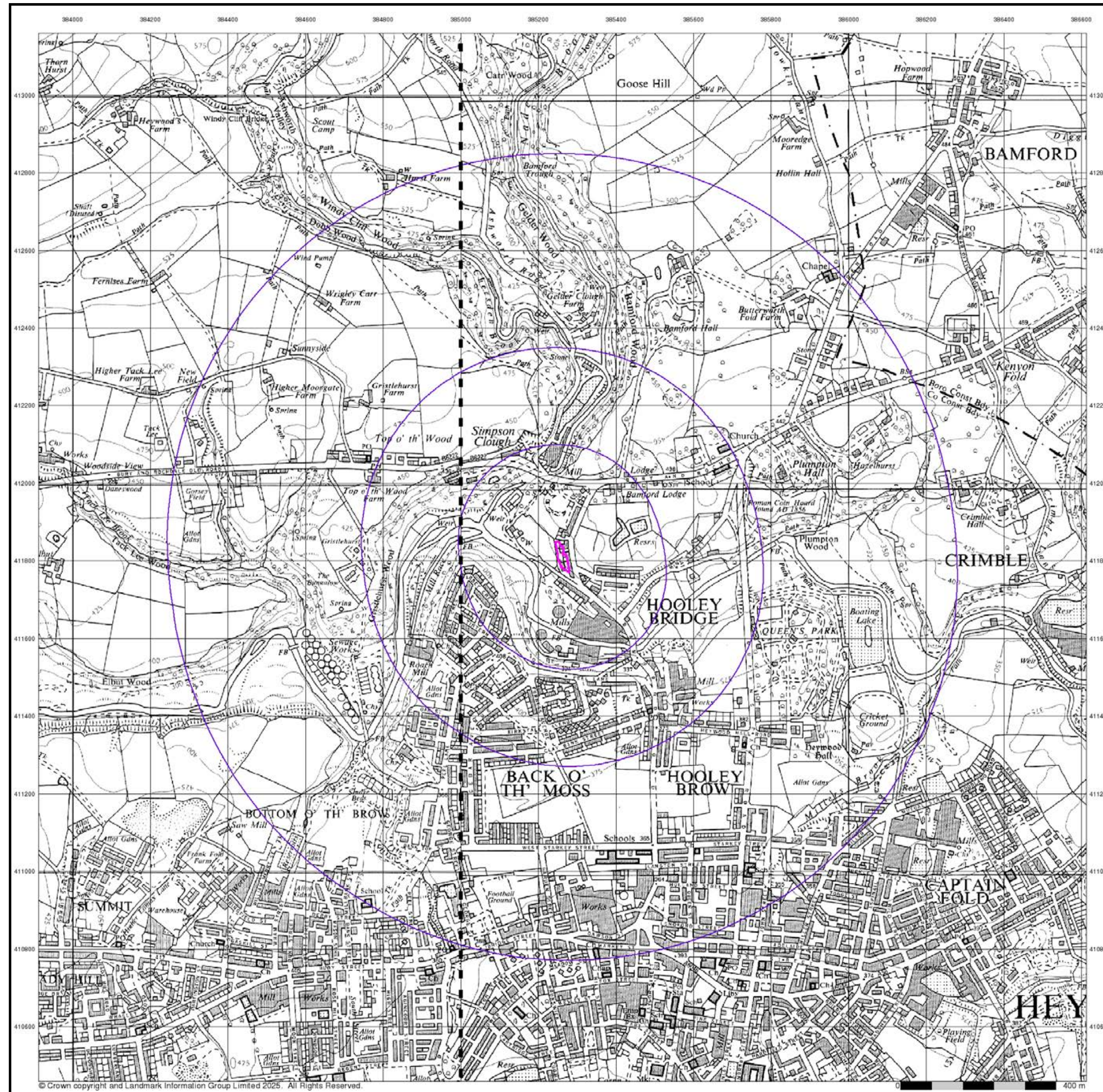
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark®
LANDMARK INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

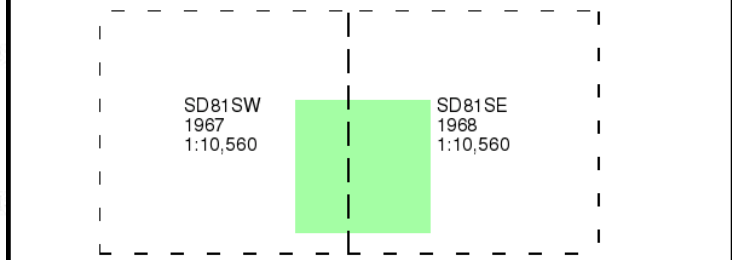
Ordnance Survey Plan

Published 1967 - 1968

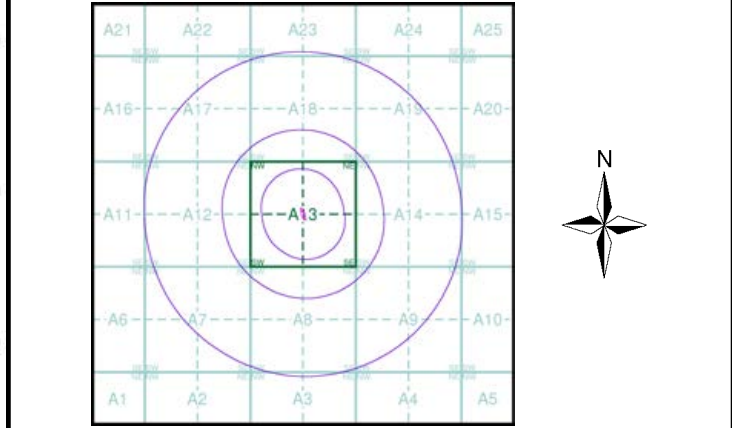
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	389287771_1_1
Customer Ref:	ES031125
National Grid Reference:	385260, 411810
Slice:	A
Site Area (Ha):	0.14
Search Buffer (m):	1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



© Copyright Landmark Information Group Ltd. All Rights Reserved.

Envirocheck®

LANDMARK INFORMATION GROUP®

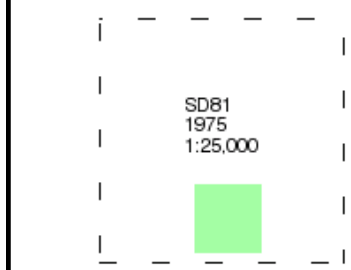
Manchester

Published 1975

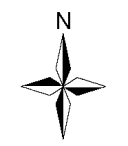
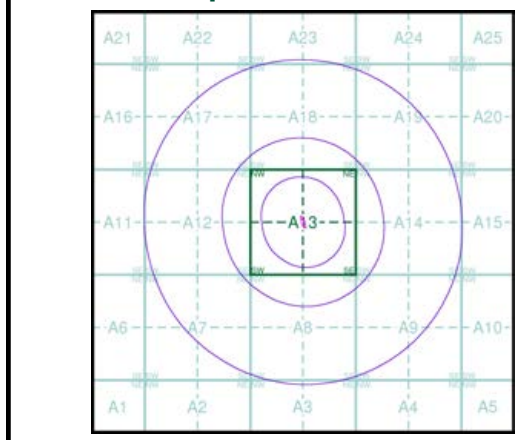
Source map scale - 1:25,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use. They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

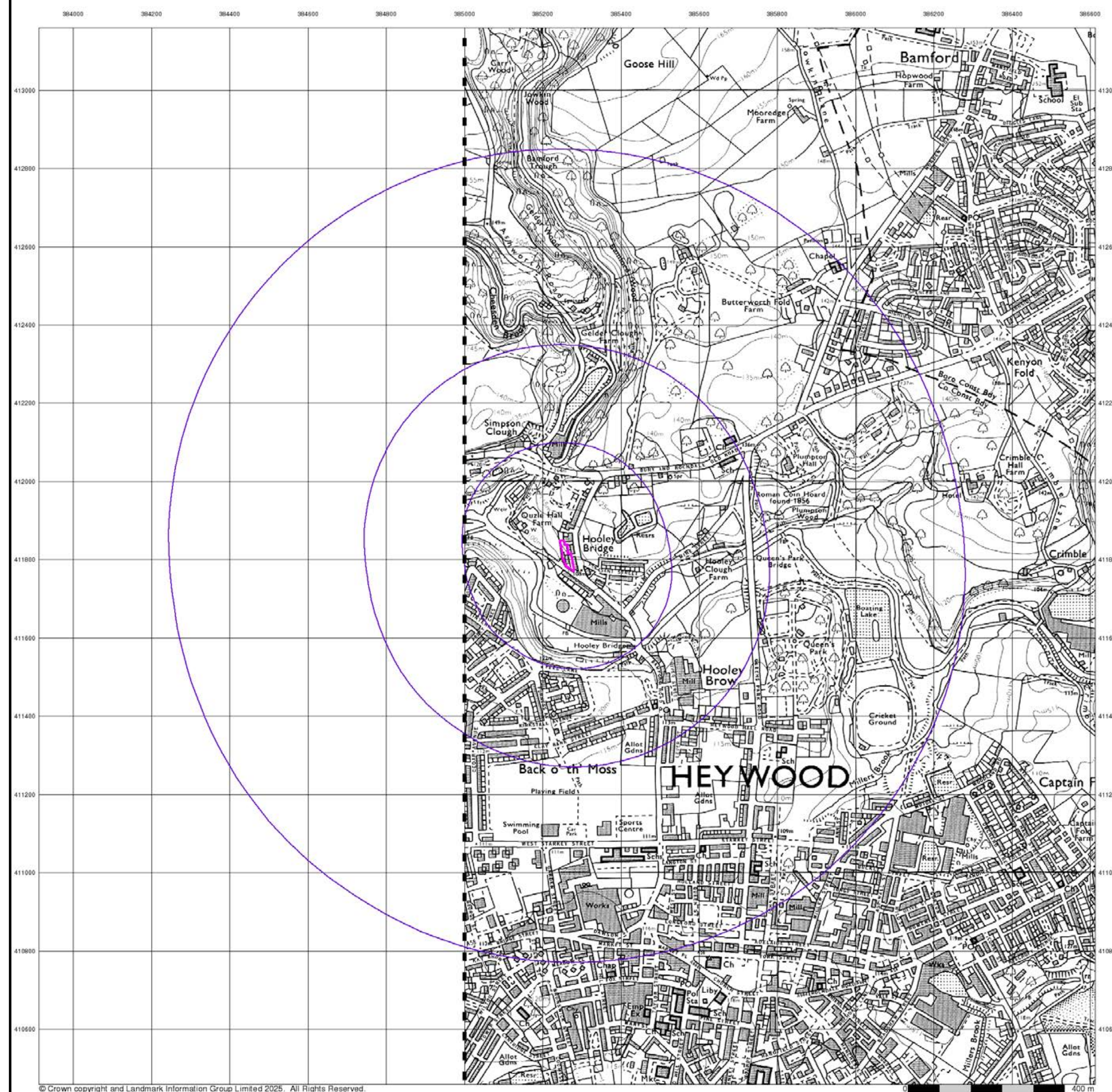
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark®
INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved

Envirocheck®

LANDMARK INFORMATION GROUP®

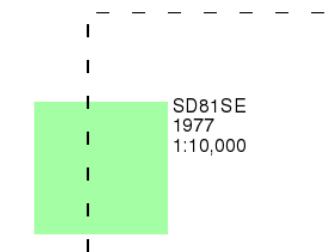
Ordnance Survey Plan

Published 1977

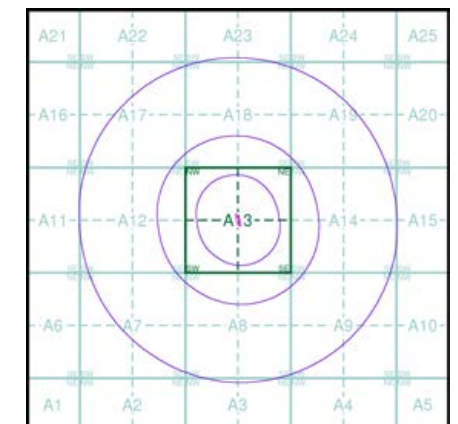
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

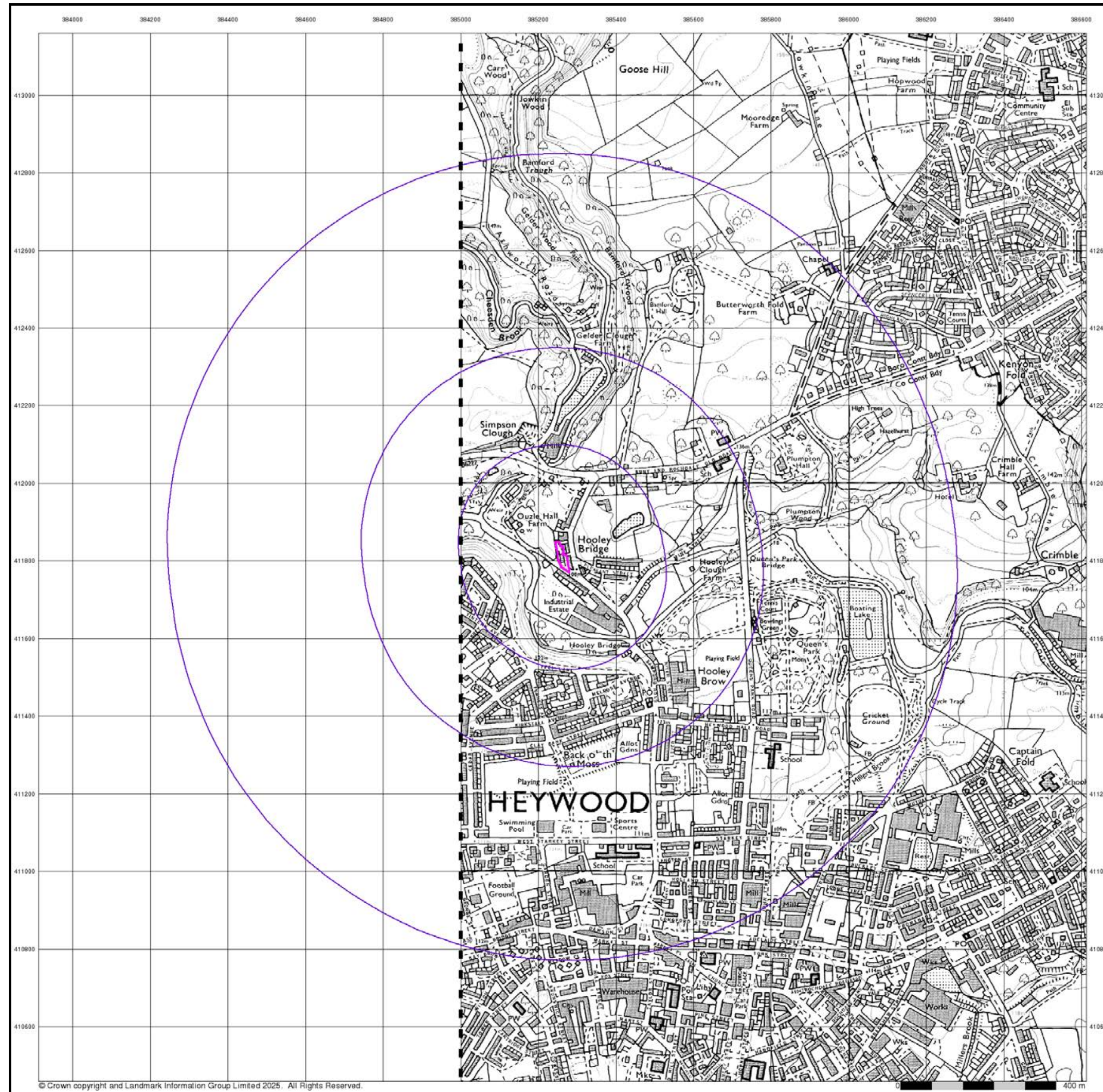
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark
INFORMATION GROUP

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



© Crown copyright and Landmark Information Group Limited 2025. All Rights Reserved.

Ordnance Survey Plan

Published 1993

Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SD81SE
1993
1:10,000

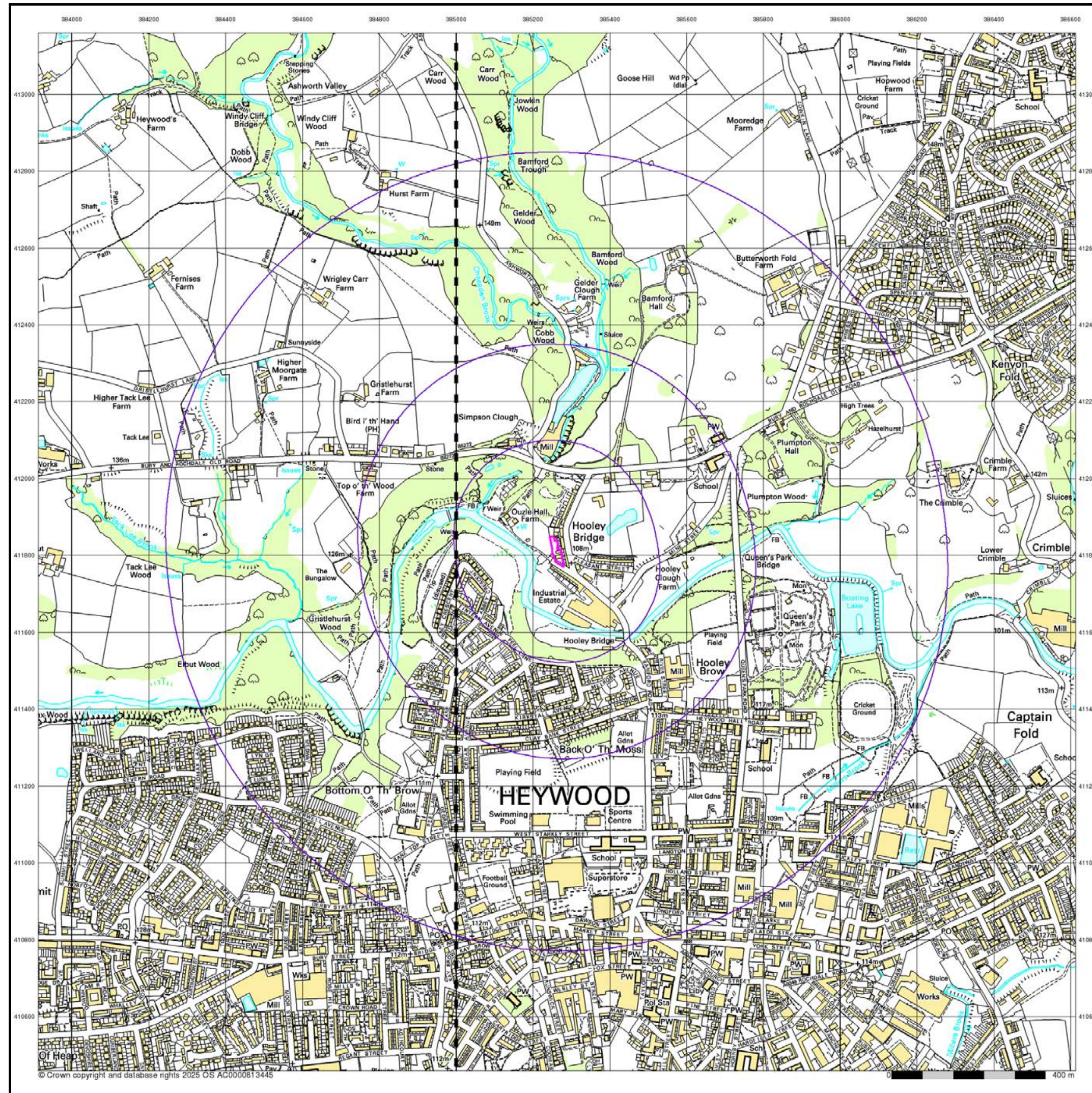
Historical Map - Slice A

Order Details

Order Number:	389287771_1_1
Customer Ref:	ES031125
National Grid Reference:	385260, 411810
Slice:	A
Site Area (Ha):	0.14
Search Buffer (m):	1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



© Crown copyright and database rights 2025 OS AC0000813445

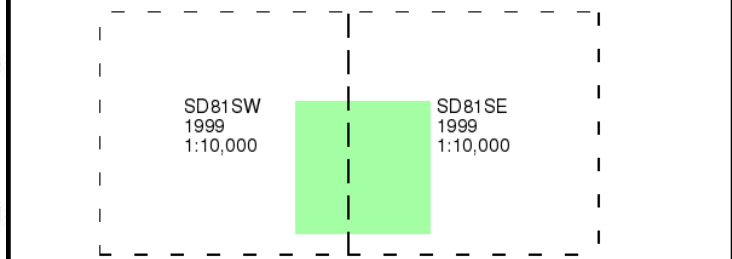
Envirocheck®

LANDMARK INFORMATION GROUP®

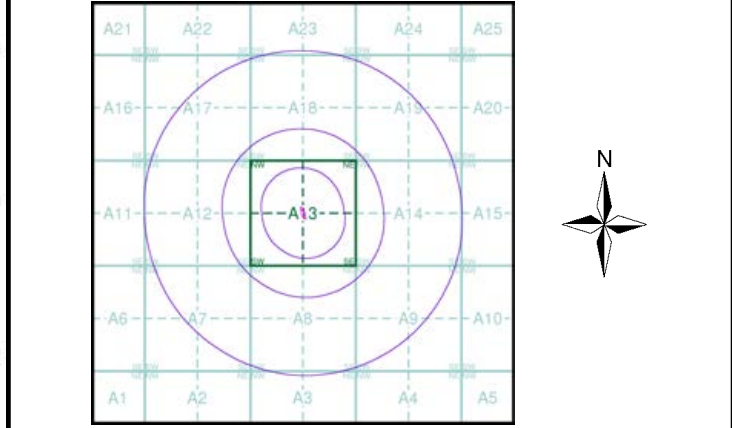
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



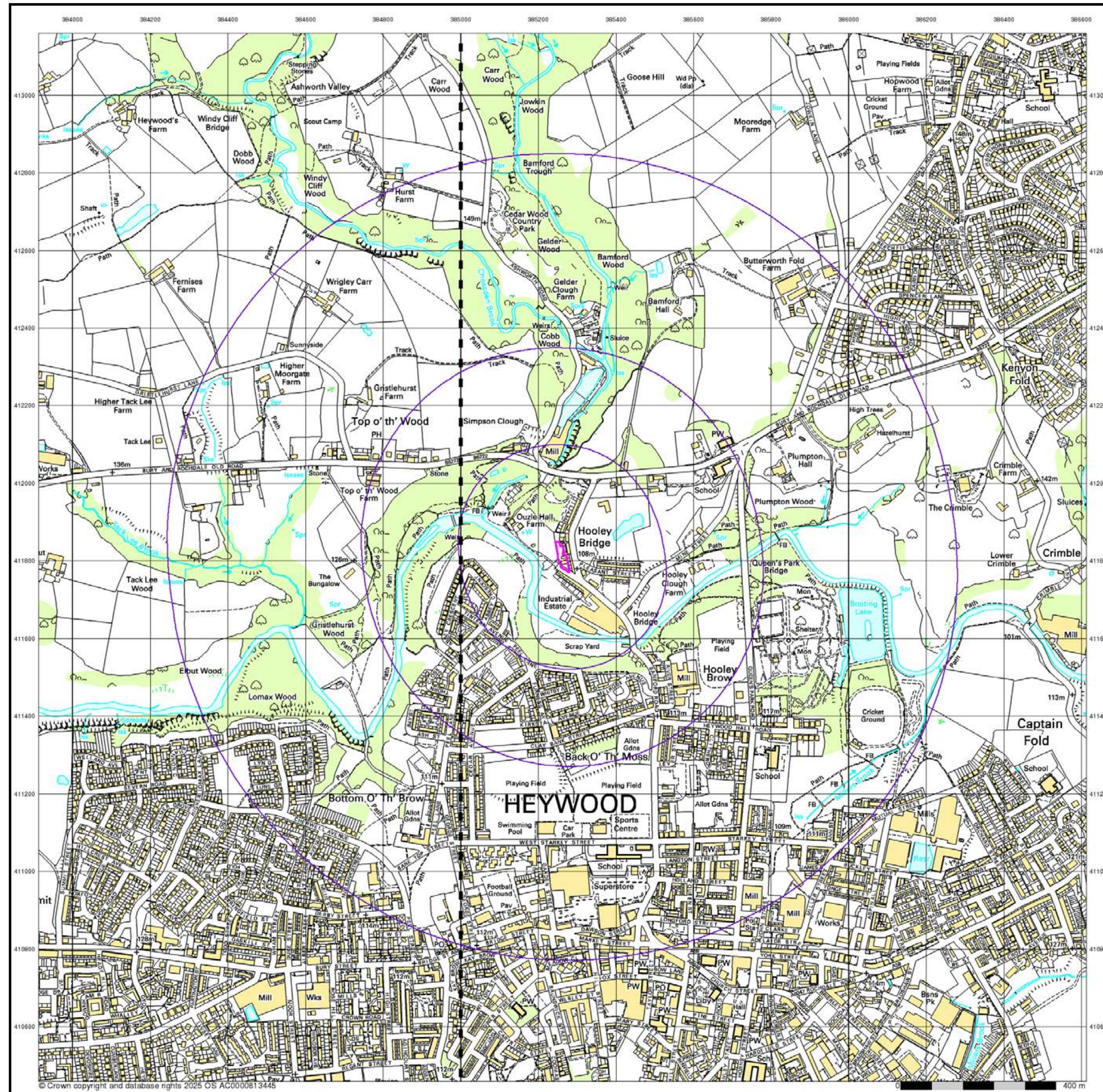
Historical Map - Slice A



Order Details
Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details
Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark
INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and database rights 2025 OS AC0000813445

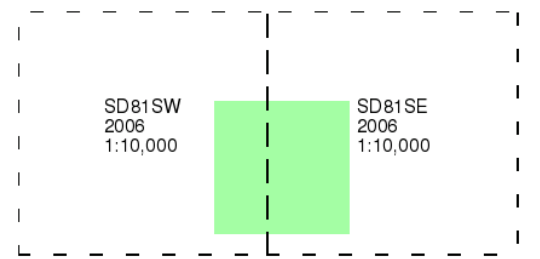
10k Raster Mapping

Published 2006

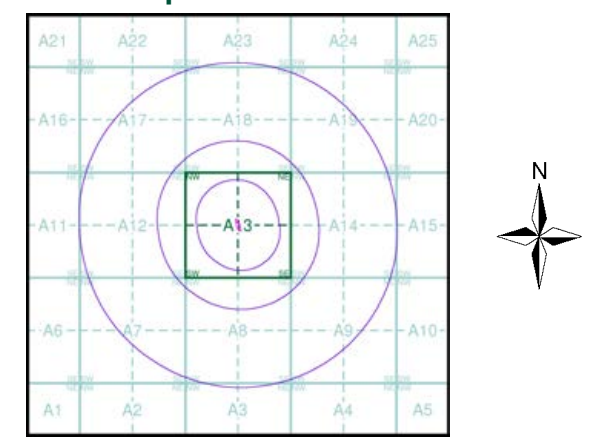
Source map scale - 1:10,000

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

Map Name(s) and Date(s)



Historical Map - Slice A

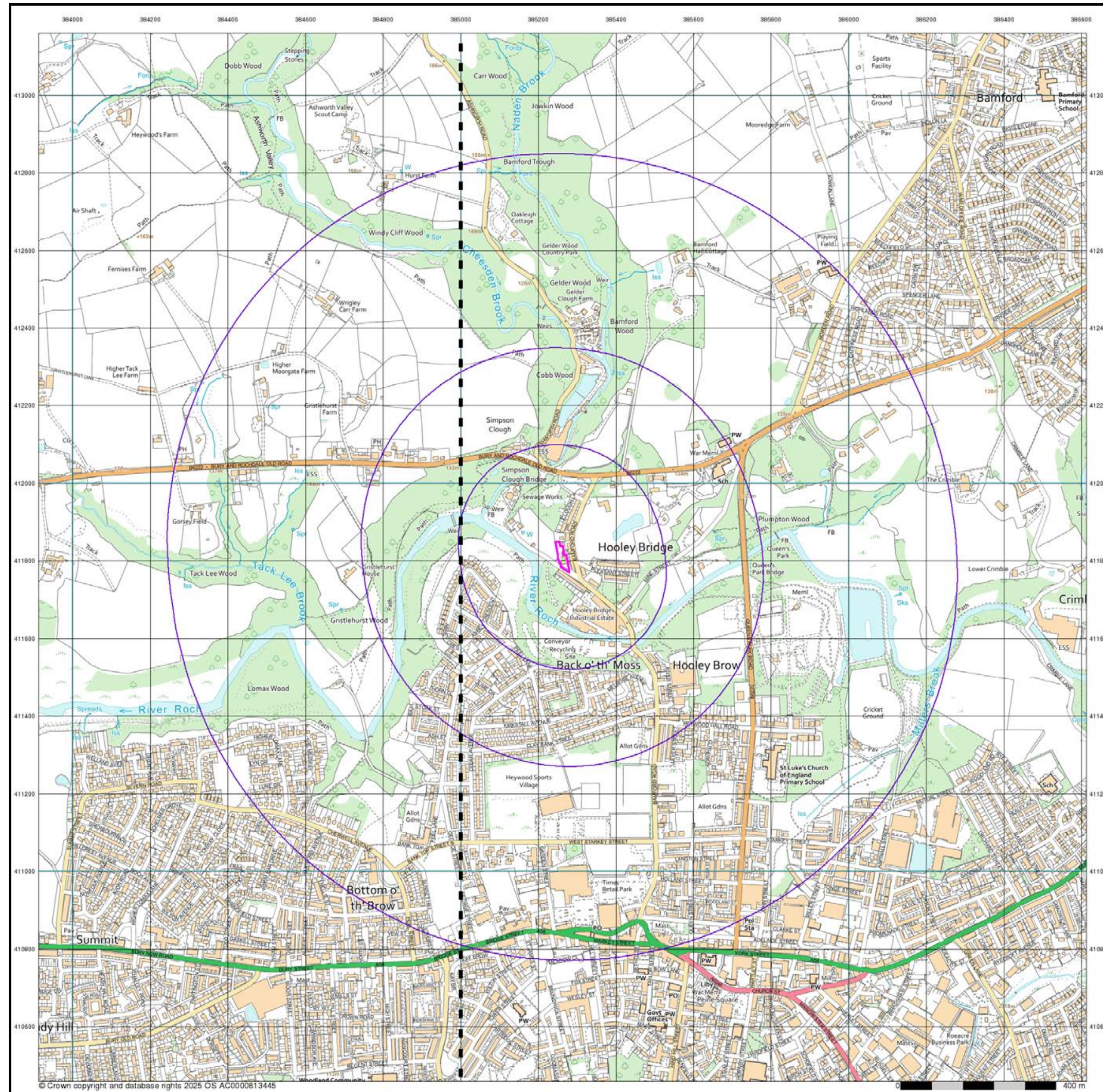


Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG



© Crown copyright and database rights 2025 OS AC0000813445

Envirocheck®

LANDMARK INFORMATION GROUP®

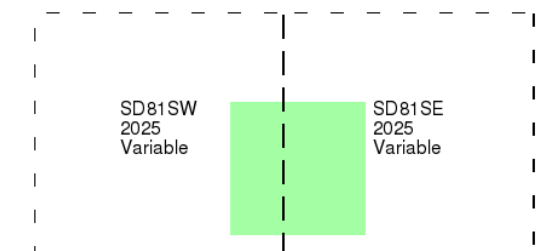
VectorMap Local

Published 2025

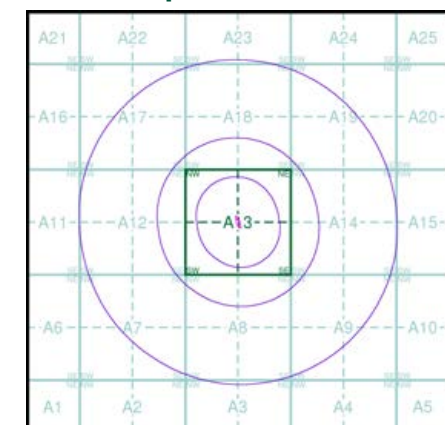
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities), 1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 389287771_1_1
Customer Ref: ES031125
National Grid Reference: 385260, 411810
Slice: A
Site Area (Ha): 0.14
Search Buffer (m): 1000

Site Details

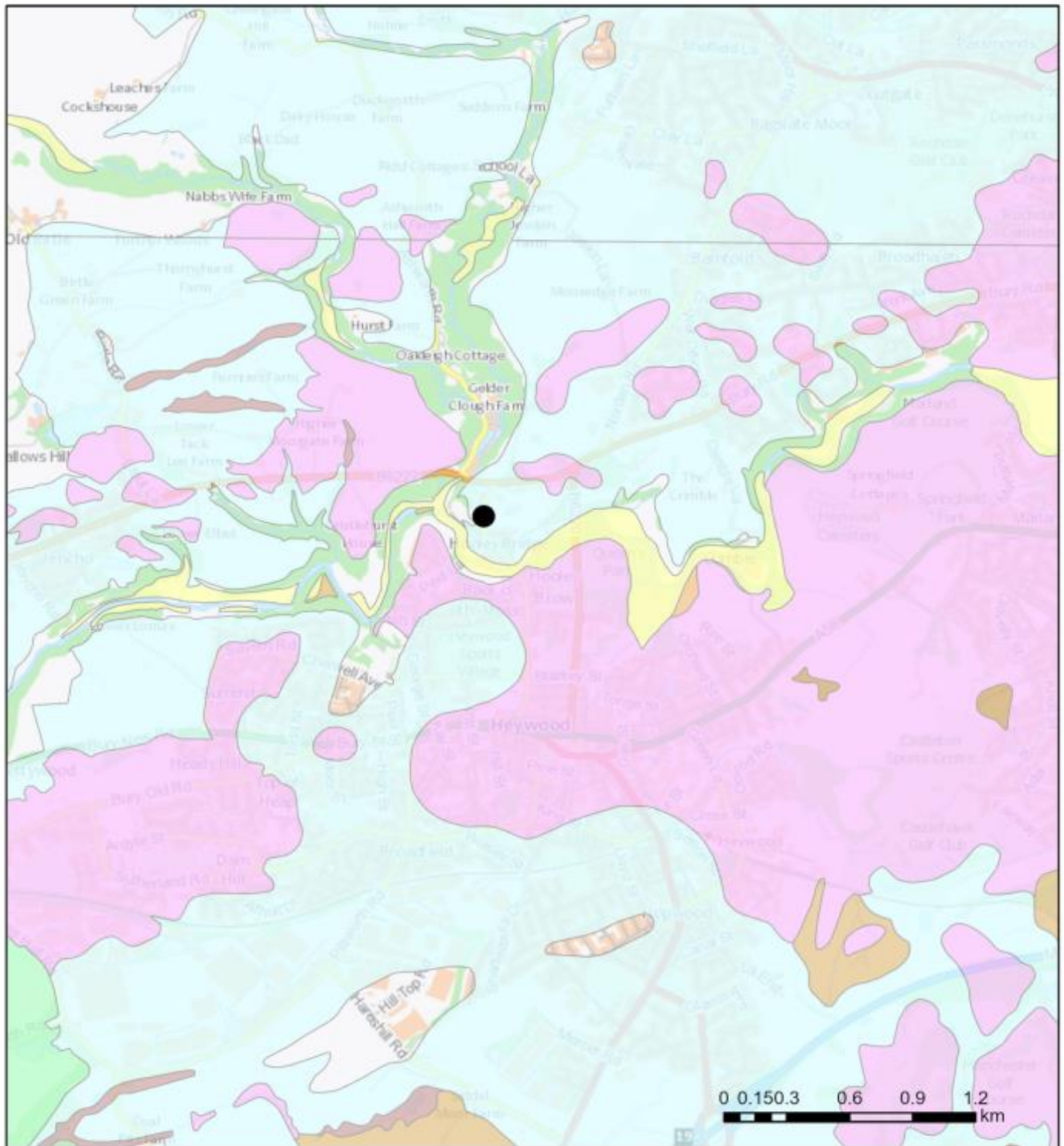
Oakwood Cottage, Bamford Road, HEYWOOD, OL10 4AG

Landmark
INFORMATION GROUP

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

Appendix D – Geological Maps

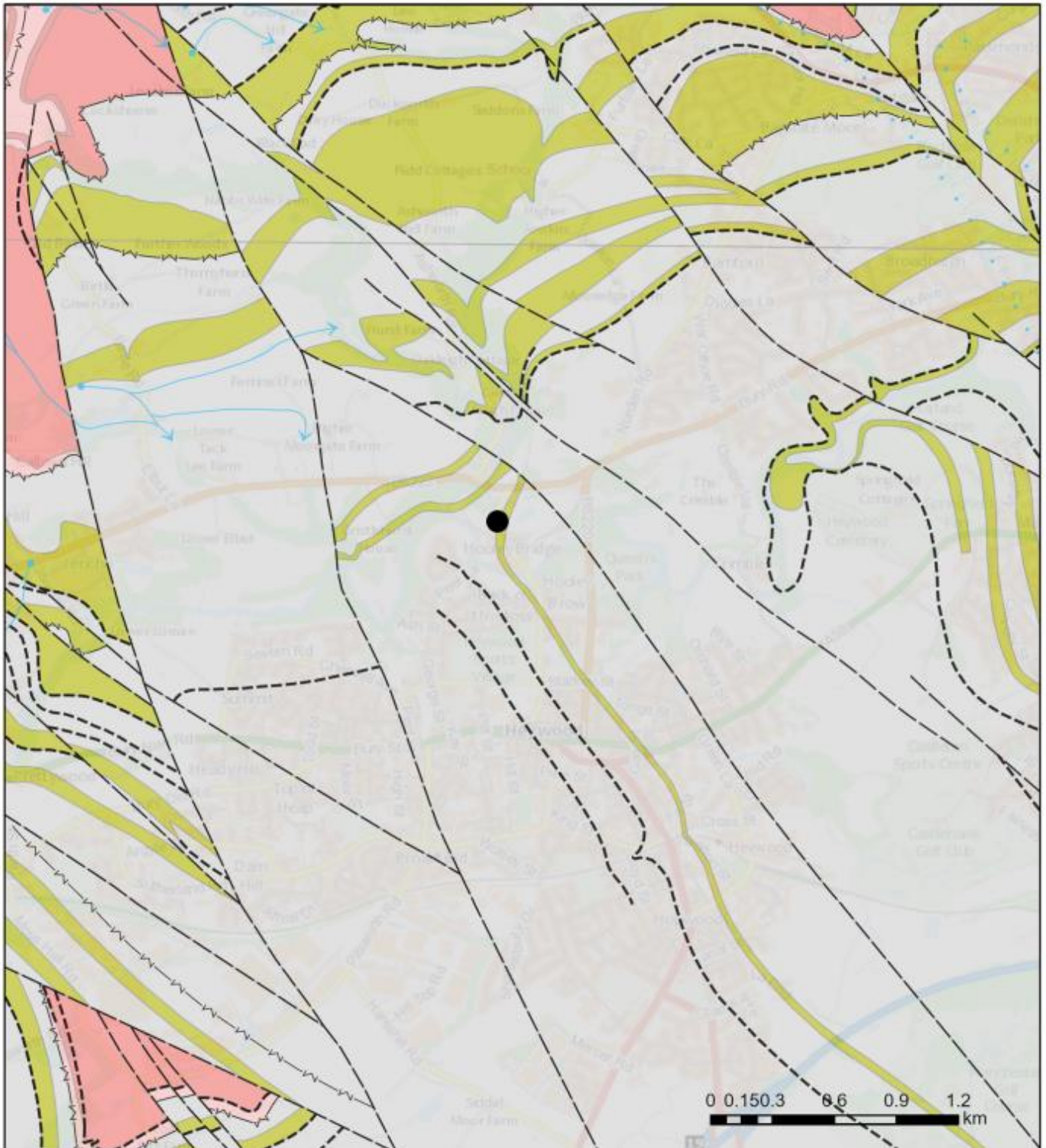
Superficial Geology



Superficial deposits 1:50,000 scale

- Glaciofluvial deposits, Devensian-Sand and gravel
- Glaciofluvial ice contact deposits, Devensian-Sand and gravel
- Glaciofluvial sheet deposits, Devensian-Sand and gravel
- Till, Devensian-Diamicton
- Hummocky (Moundy) Glacial Deposits, Devensian-Diamicton
- Alluvium-Clay, silt, sand and gravel
- Head-Clay, silt, sand and gravel
- River Terrace Deposits, 1-Sand and gravel
- River Terrace Deposits (Undifferentiated)-Sand and gravel
- Lacustrine deposits-Clay
- Lacustrine deposits-Sand and gravel
- Peat-Peat

Bedrock Geology



Linear features 1:50,000 scale

- Buried_channel_Margin
- Coal_seam_Inf
- Fault_Inf_Crossmark_on_downthrow_side
- Fault_Inf_Downthrow_unspecified
- ← Glacial_meltwater_channel_Centre_Head
- Glacial_meltwater_channel_Centre_Tail
- ↔ Glacial_meltwater_channel_Centre_Undiff
- Marine_band

Bedrock geology 1:50,000 scale

	<u>Pennine Lower Coal Measures Formation-Mudstone, siltstone and sandstone</u>
	<u>Rossendale Formation-Mudstone and siltstone</u>
	<u>Lower Haslingden Flags-Sandstone</u>
	<u>Rough Rock-Sandstone</u>
	<u>Upper Haslingden Flags-Sandstone</u>
	<u>Marsden Formation-Mudstone and siltstone</u>
	<u>Cannel Rock (South Lancashire)-Sandstone</u>
	<u>Darwen Flags-Sandstone</u>
	<u>Great Arc Sandstone-Sandstone</u>
	<u>Helpet Edge Rock-Sandstone</u>
	<u>Milnrow Sandstone-Sandstone</u>
	<u>Old Lawrence Rock-Sandstone</u>
	<u>Pennine Lower Coal Measures Formation-Sandstone</u>
	<u>Riddle Scout Rock-Sandstone</u>
	<u>Royley Sandstone-Sandstone</u>
	<u>Trencherbone Rock-Sandstone</u>
	<u>Woodhead Hill Rock-Sandstone</u>
	<u>Holcombe Brook Grit-Sandstone</u>

Appendix E – BGS Borehole Records

Ref: SD81SW244

SD 81 SW 244

Norwest Holst Soil Engineering Ltd.						Borehole No.	
BOREHOLE LOG						16	
Contract No. F6141		Location Bury and Rochdale Old Road Sewer		Sheet 1 of 1		Chainage	
Client Metropolitan Borough of Rochdale		Method of Boring Percussion		Ground Level 123.044 m.A.O.D.		Date 9/10/84	
Diameter of Borehole 150mm							
Description of Strata	Legend	Depth Below G.L. (m)	O.D. Level (m)	Casing Depth at Sampling	Sampling and Coring	"N"/ R.O.D. %	Daily Progress
TOPSOIL		0.30	122.7				
Soft brown and grey mottled silty CLAY with gravel of mudstone with occasional cobbles		1.80	121.2		1.00 (45)		
Firm yellow silty sandy CLAY		2.70	120.3		2.00 (40)		
Soft grey blue sandy silty CLAY with gravel		4.30	118.7		3.00 (60)		
Stiff grey sandy silty CLAY with gravel and cobbles		6.90	116.1		4.50 (65)		
Grey highly to completely weathered SILTSTONE very weak to weak		7.70	115.3		6.00 NR	29	
					6.50	67* for 150mm	
					7.50		

Type of Sample

Is S.P.T. ■ Undisturbed

Ic. C.P.T. × Vane

O Jar △ Water

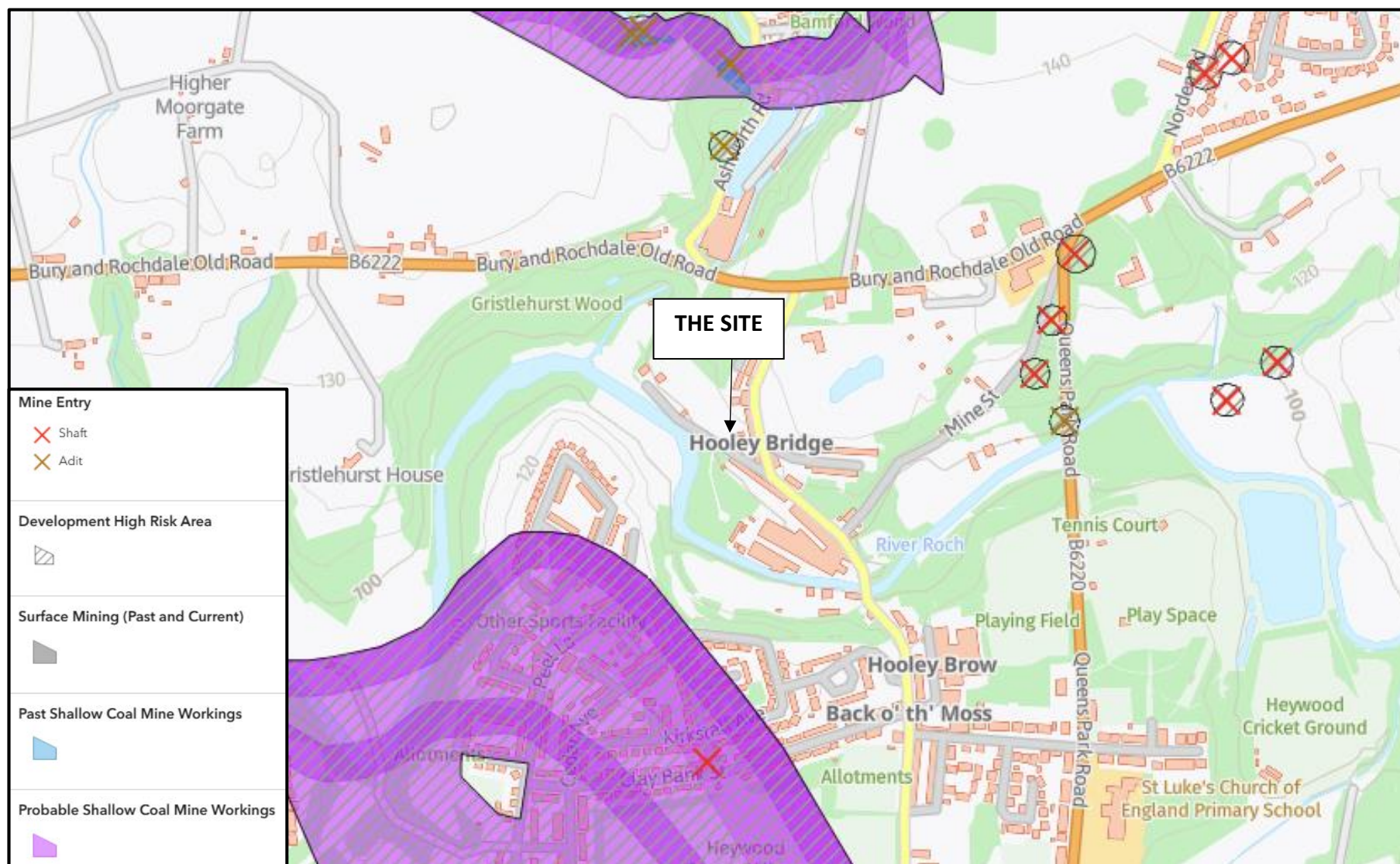
● Bulk ■ Piezometer

Remarks (Observations of Ground Water etc.)

() U100 blows
 * Seating blows only
 NR No Recovery

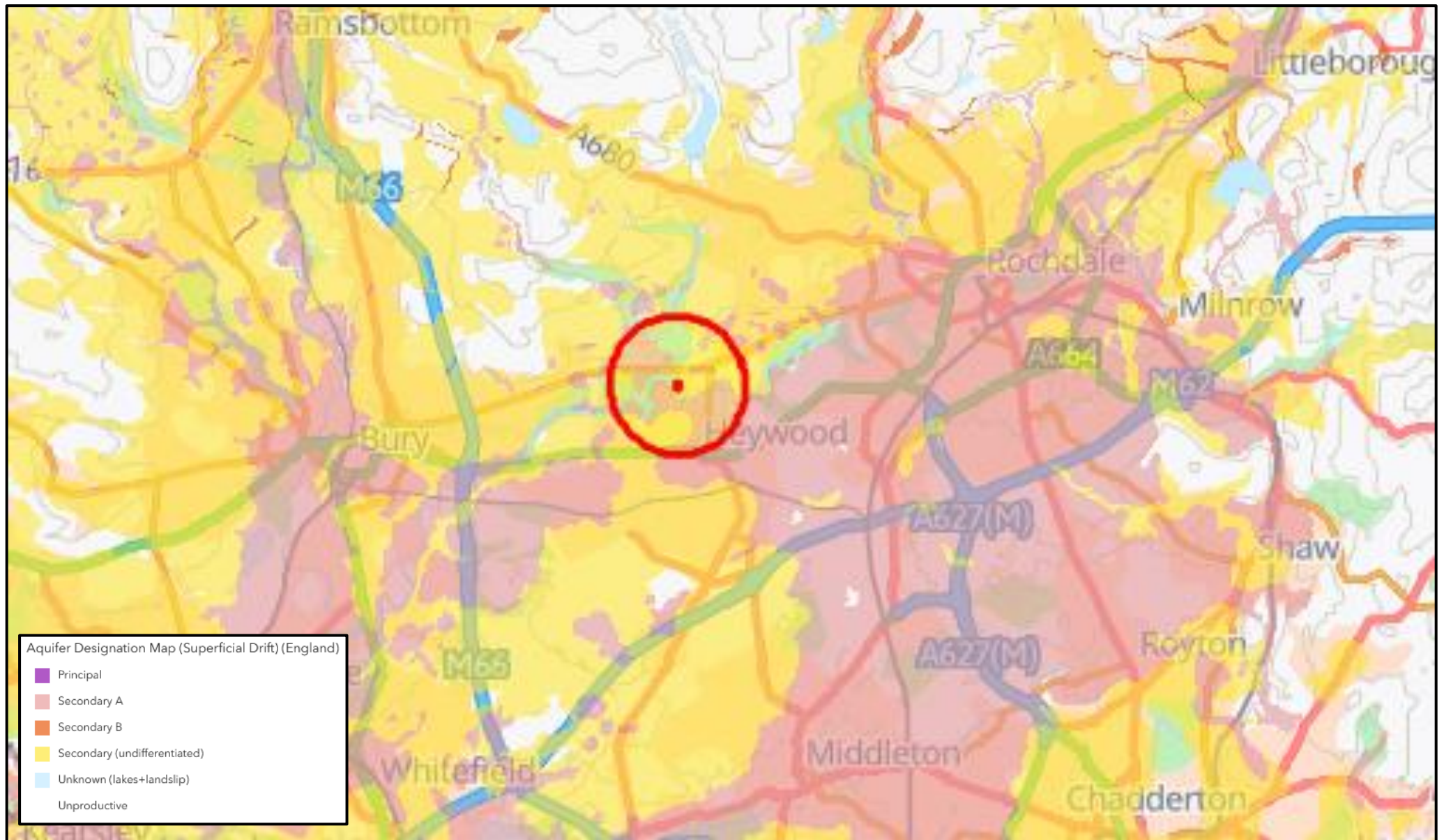
Water struck at 6.90m
 Final standing level 4.40m
 Standpipe installed to 6.00m

Appendix F – Coal Mining Summary Map

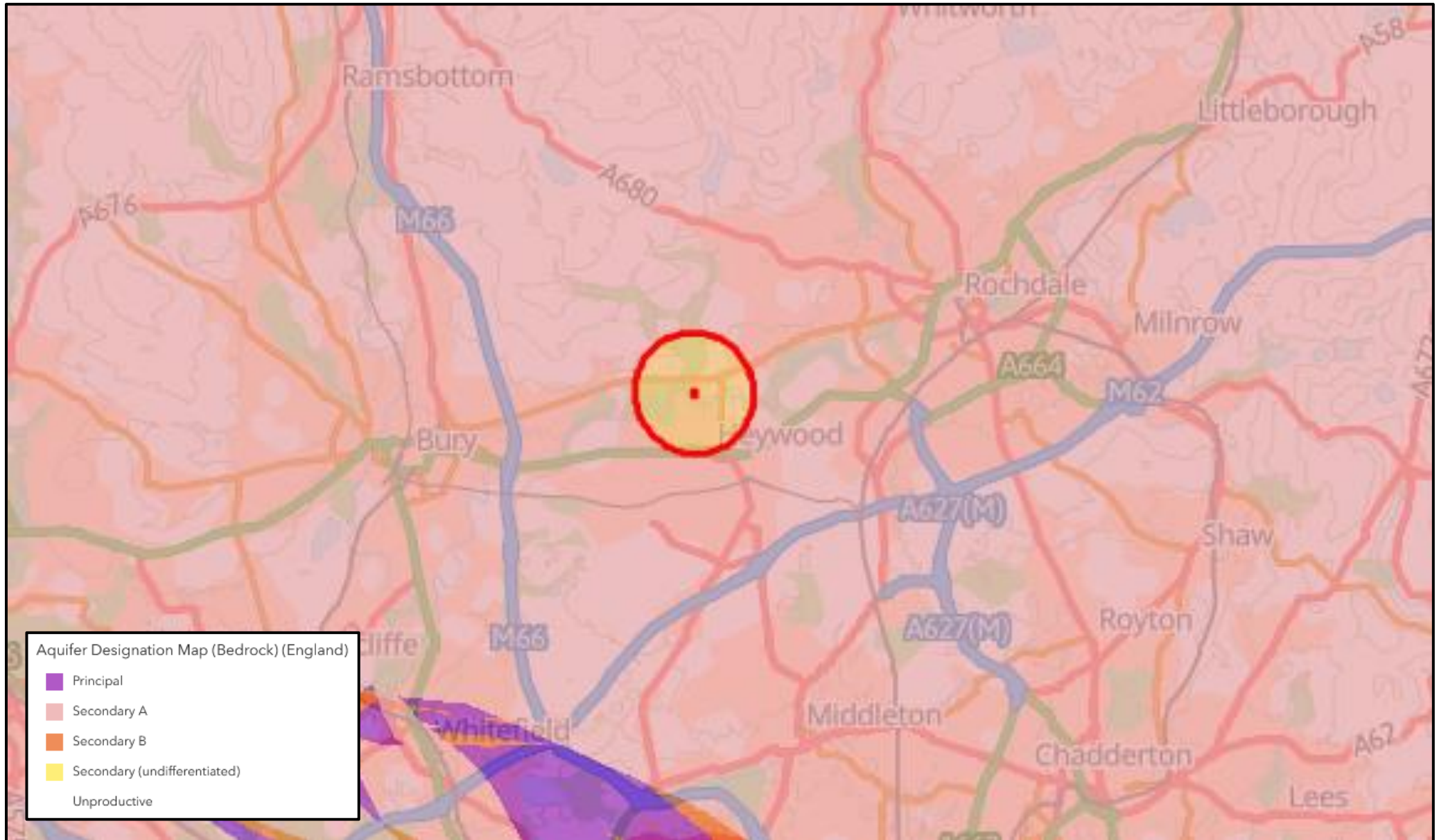


Appendix G – Hydrogeology Maps

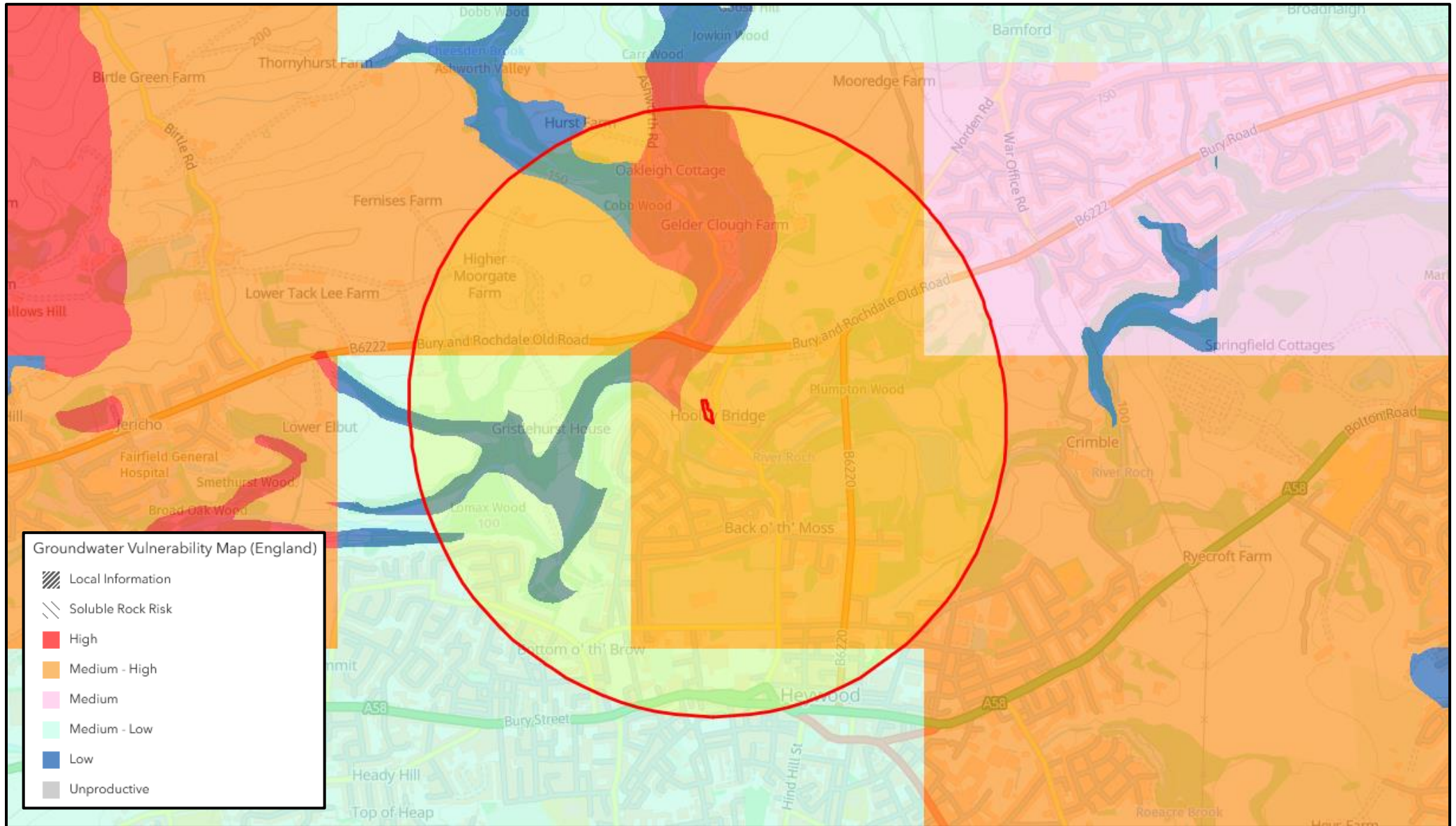
Superficial Aquifer



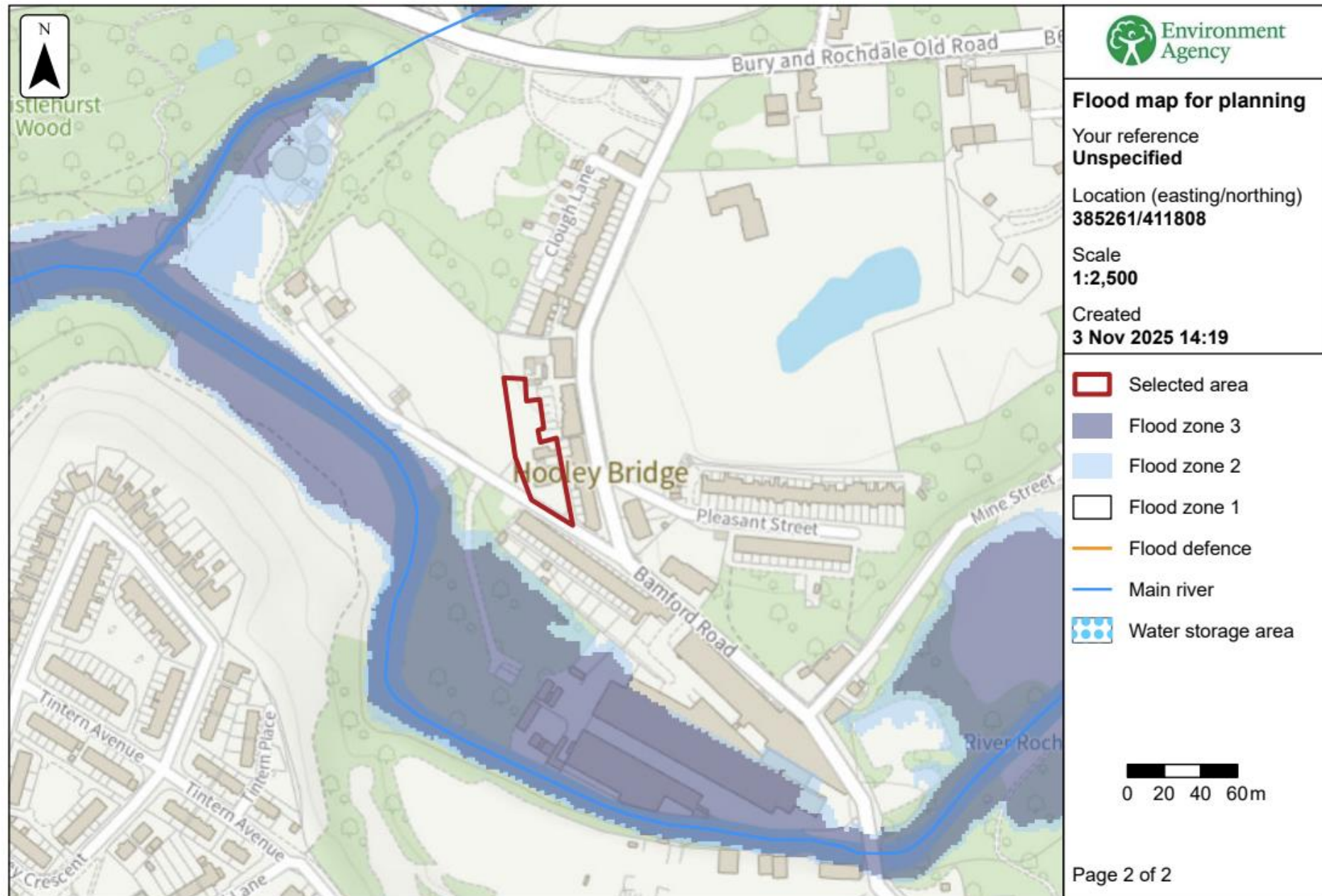
Bedrock Aquifer



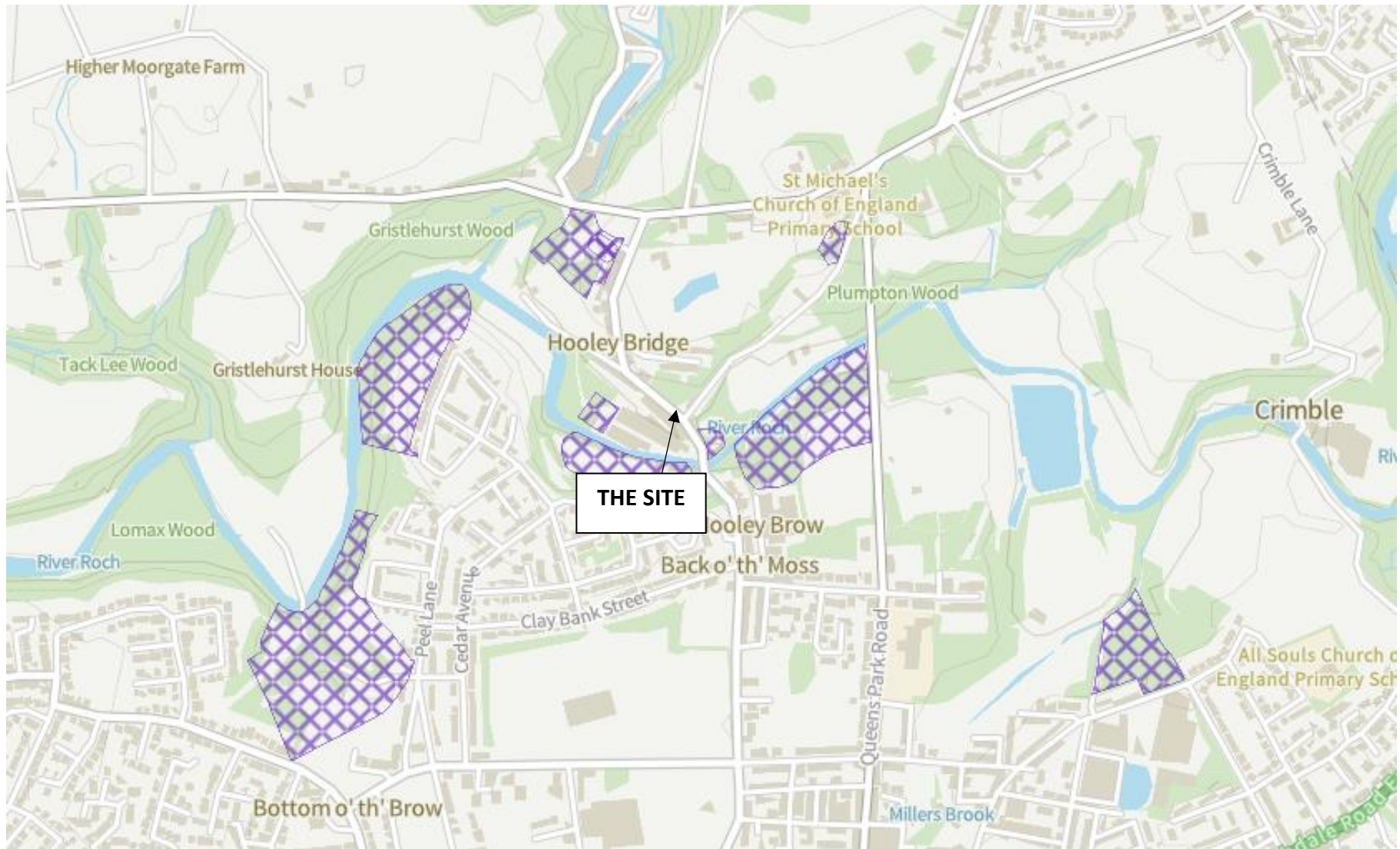
Groundwater Vulnerability



Appendix H – Flood Risk Map



Appendix I – Historic Landfill Map



Appendix J – Environmental Designations

Green Belt

