

Land East of Warwick Road, Banbury

Jubb

Table of Contents

Table of Contents.....	1
List of Figures.....	2
List of Tables.....	2
Project Information.....	3
Project Information.....	3
Project Details.....	3
Report Details.....	3
Report Authorisation.....	3
Issue History.....	3
EXECUTIVE SUMMARY.....	4
1 Introduction.....	6
1.1 Objectives.....	6
1.2 Scope, Sources & Limitations.....	6
2 Site Setting.....	7
2.1 Site Location.....	7
2.2 Site Description.....	7
2.3 Site Proposals.....	8
3 Geo-Environmental Setting.....	9
3.1 Geology and Ground Conditions.....	9
3.2 Hydrogeology.....	9
3.3 Hydrology.....	10
3.4 Abstraction Consents.....	10
3.5 Discharge Consents.....	10
3.6 Pollution Incidents to Controlled Waters.....	10
3.7 Fuel Stations and Contemporary Trade Entries.....	11
3.8 Subsidence Risk.....	11
3.9 Coal or Mineral Mining.....	11
3.10 Landfill Sites and Waste Management.....	11
3.11 Radon Risks.....	11
3.12 Environmentally Sensitive Areas.....	11
4 Site History.....	12
4.1 Site History Summary.....	13
5 Preliminary Contamination Assessment.....	14
5.1 General.....	14
5.2 Preliminary Conceptual Site Model (CSM).....	15
6 Preliminary Geotechnical Assessment.....	17
6.1 Expected Ground Conditions.....	17

6.2	Groundwater	17
6.3	Foundation Options	17
6.4	Floor Slab Design	17
6.5	Excavations	17
7	Conclusions and Recommendations	18
7.1	Environmental Assessment	18
7.2	Geotechnical Assessment	18
7.3	Recommendations	18
Appendix A: Site Location Plan		i
Appendix B: Site Walkover Survey		ii
Appendix C: Illustrative Masterplan		iii
Appendix D: Envirocheck Report		iv
Appendix E: Envirocheck historical mapping		v
Appendix F: Geotechnical Risk Register		vi
Appendix G: Contamination Risk Assessment Methodology and Definitions		vii
Appendix H: Limitations and exceptions		xii

List of Figures

Figure 1: Site boundary	7
Figure 2: BGS Extract of Geology	9

List of Tables

Table 1: Water Abstraction Consents	10
Table 2: Discharge Consents Summary	10
Table 3: Summary of Ground Stability	11
Table 4: Site history summary	13
Table 5: Conceptual site model	16

PROJECT INFORMATION

Project Information

Client Vistry Homes Limited

Project Details

Project Name Land East of Warwick Road, Banbury

Jubb Project Number 17279

Title Phase 1 Desk Study Report

Report Details

Version 4

Status Updated Issue

Date February 2023

Report Authorisation

Prepared By

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Job Title

Geotechnical Engineer

Signature



Approved By

Ian Squibbs

Senior Engineering Geologist



Issue History

Version	Date	Details
1	29/08/2018	First Issue
2	17/6/2022	Updated Masterplan
3	22/7/2022	Minor amendments
4	16/2/2023	Updated Masterplan

EXECUTIVE SUMMARY

Site Information	
Client	Vistry Homes Limited
Project	Land East of Warwick Road, Banbury
OS Co-ordinates	SP 4344 4316
Site Size	12.63 Hectares
Proposals	Development of a masterplan for a residential scheme
Site Description	Site consists of two open fields
Current and Historic Site Uses	Site has been open fields for the duration of the mapped period
Geo-environmental Setting	
Geology	The site is shown to be directly underlain by solid geology of the Marlstone Formation, the Dyrham Formation, and the Charmouth Mudstone Formation
Hydrogeology and Hydrology	<p><u>Hydrogeology:</u></p> <ul style="list-style-type: none"> Marlstone Formation is identified as a Secondary A Aquifer Dyrham and Charmouth Formations are identified as Secondary Undifferentiated Aquifers <p><u>Hydrology:</u></p> <ul style="list-style-type: none"> Nearest surface water feature is an unnamed channel adjacent to the eastern site boundary
Radon	The site is in a high-risk radon area; therefore, full radon protective measures are necessary as part of the development.
Ground Gas	There are several backfilled quarries in the surrounding area, although their distance is thought to be sufficient to pose minimal risk
Landfill	There is one historic landfill within 1km of the site
Preliminary Contamination Assessment	
Potential Sources of Contamination	<ul style="list-style-type: none"> Made ground on site associated with agricultural use of site
Potential Contaminants	<p>The following potential contaminants are identified:</p> <ul style="list-style-type: none"> Heavy Metal/ Semi-metals in any historic agricultural made ground Organics in any made ground;
Contamination Risk Classification	Based on a preliminary assessment of risk carried out, the contamination potential of the site is considered to be low.
Preliminary Geotechnical Assessment	
Foundations and Floor Slabs	Shallow foundations are likely to be suitable on the site, founding on the residual soils or bedrock.
Groundwater	Potential for shallow groundwater within Marlstone Formation

Infiltration Drainage	Infiltration drainage is likely viable where the Marlstone Formation is present at shallow depth
Volume Potential Change	Characterisation tests should be carried out on any cohesive soils encountered during any subsequent ground investigation
Geotechnical Risk Category	Category 2 – Conventional structures with potential for moderate site constraints
Recommendations	
General	Further site investigation will be required to quantify the risk of potentially identified contaminants and identify the composition and extent of the geology on the site and determine geotechnical parameters for design purposes.

1 Introduction

Vistry Homes Limited are proposing to develop a site just to the south of the village of Hanwell, Oxfordshire, with a residential development.

To assist with the development of the site proposals, Jubb Consulting Engineers (Jubb) have been appointed by to undertake a Phase 1 Geo-environmental Assessment.

This report is for the private and confidential use of Vistry Homes Limited (to whom alone is owed a duty of care) and their professional advisors and consultees; it may not be relied upon or reproduced by any third party for any use without the written agreement of Jubb.

1.1 Objectives

The objectives of this assessment are:

- to undertake a preliminary assessment of potential contamination risks, based on the established pollution linkage methods, and provide a summary of the potential contamination issues at the site with due regard to the proposed development;
- to identify existing ground conditions, subsidence or ground instability problems associated with mining or quarrying activity, slope stability problems or issues, and any other geological issues which may affect the proposed redevelopment;
- to make an initial evaluation of any potential hazards, risks and liabilities to the planned redevelopment of the site on the basis of the foregoing studies.

1.2 Scope, Sources & Limitations

To establish past usages of the site and possible indications of contamination or ground instability, this report relies on publicly available historic maps, published geological information, and data provided in an Envirocheck report referenced in section 3.

This report has been conducted in line with the source–pathway–receptor (SPR) linkage risk assessment based methods referred to in Part IIA of the Environmental Protection Act 1990, introduced by Section 57 of the Environment Act 1995.

A site walkover inspection has been carried out, and the findings are contained in this report.

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; overhead services) potential ecological impacts (e.g. newts or bats) or botanical risks (e.g. Japanese Knotweed) or structural hazards (e.g. building or boundary wall stability) unless specifically referred to in the text of this report.

All information, comments and opinions given in this report are based on documentary records made available to us at the present time. It should be noted that documentary sources and records may not be totally accurate, precise or complete. It is possible, therefore that there may be potential or actual contaminants or adverse ground conditions that remain undetected.

Advice and recommendations given in this report are provided for information; they are not exhaustive and do not constitute a specification for further investigation or other works.

The original report was based on a larger site outline, so Envirocheck maps and distances quoted from site boundaries often refer to the original site outline.

2 Site Setting

2.1 Site Location

The site is located in a greenfield area between Warwick Road and the M40, just to the south of the village of Hanwell in Oxfordshire, approximately 4km to the north west of Banbury town centre. A site outline plan is shown in figure 1 below and is based on the supplied EDP Site Location Boundary drawing (Ref No. edp3253_d007e, dated May 2022).



Figure 1: Site boundary

The Ordnance Survey (Landranger) grid reference at the centre of the site is SP 4344 4316.

A site location plan and aerial photograph are reproduced in **Appendix A**.

2.2 Site Description

The site is an irregular parcel of land measuring approximately 510m by 300m along the longest axis and covering an area of approximately 12.63 hectares. The site comprises two agricultural fields separated by Gullicotte Lane. The western field is roughly square in shape and approximately 300m by 300m and is situated towards the top of a hill feature that slopes down to the north east beyond the site boundary. This field is generally flat, with gentle undulating topography over its south eastern part and is at approximately 145m AOD. The field boundaries comprise dense mature deciduous trees with a hedgerow boundary along the boundary with Warwick Road.

The eastern field is approximately 140m by 260m along its longest boundaries and gently slopes down to the east. along the two axes. This field is generally flat at approximately 145m AOD, with dense treeline boundaries.

Several springs are noted on the ordnance survey maps to the east of the site and originated out of the hillside which slopes relatively steeply to the east beyond the eastern site boundary.

Both fields were being used for agricultural purposes at the time of the walkover.

The site is bound by Warwick Road to the west, agricultural fields to the north and east, and a Persimmon housing development to the south.

A site attendance record and site photographs are provided in **Appendix B**.

2.3 Site Proposals

The development proposals include an outline application for up to 170 dwellings (Use Class C3) with associated open space and vehicular access off Warwick Road, Banbury. A proposed illustrative masterplan is included in **Appendix C**.

3 Geo-Environmental Setting

The following information is obtained primarily from an Envirocheck report containing geological and environmental information as contained in **Appendix D**. The report was initially obtained for the wider site which included a third field to the east, so the boundary and distances from the site refer to this original wider boundary.

3.1 Geology and Ground Conditions

The British Geological Survey (BGS) 1:50,000 Solid and Drift Mapping (Banbury, Sheet 201) and the online BGS Geology of Britain Viewer identifies the site to be underlain primarily by the Marlstone Rock Formation described as sandy, shell fragmental and ooidal limestone interbedded with ferruginous calcareous sandstone, and subordinate ferruginous mudstone beds. This is underlain by the Dyrham Formation, described as pale to dark grey, and greenish grey silty and sandy mudstone, with interbeds of silt or very fine sand. An extract of the BGS geological map is shown below.



Figure 2: BGS Extract of Geology.

The Marlstone Rock bed tends to form a plateau which is terminated north-westwards by a steep scarp which is commonly softened by cambering. A geological fault is shown to cross under the south eastern corner of the site where it down throws to the west.

There are no superficial deposits indicated to be present on the geological map, and there will likely be a nominal thickness of made ground present on site associated with agricultural use of the land.

Springs located just to the east of the site are likely to occur at the boundary between the more permeable marlstone and less permeable mudstone layers.

3.2 Hydrogeology

The Envirocheck Report identifies the Marlstone Formation as a Secondary A Aquifer.

The Dyrham Formation is identified as a Secondary Undifferentiated Aquifers.

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

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

The site soils beneath associated with the Marlstone Formation are classified as having an intermediate leaching potential.

The site is not located within a source protection zone.

3.3 Hydrology

The nearest surface water feature is a minor unnamed channel just to the east of the site, which appears to feed into a pond in the village of Hanwell.

The site is indicated to be in an area with limited potential for groundwater flooding.

3.4 Abstraction Consents

There are three water abstraction consent within 1km of the site, which are summarised in Table 1 below.

Proximity to Site	Details	Status
336m SW	Groundwater abstraction from the Middle Lias at Drayton Lodge for general farming and domestic use	Active
712m S	Groundwater abstraction at The Elms for agricultural use	Revoked, lapsed or cancelled
856m S	Groundwater abstraction at Hanwell Fields Farm for domestic use	Revoked, lapsed or cancelled

Table 1: Water Abstraction Consents

3.5 Discharge Consents

There are ten licensed discharge consents within 1km of the site. These are summarised in Table 2 below.

Proximity to Site	Details	Status
409m NE	Sewage discharge into unnamed tributary of Hanwell Brook	Revoked March 2010
409m NE	Sewage discharge into Hanwell Brook	Revoked March 2009
410m NE	Storm sewage overflow into Hanwell Brook	Active
410m NE	Storm sewage overflow into Hanwell Brook	Temporary consent revoked in 2010
427m S	Treated sewage effluent discharge into unnamed tributary of Sor Brook	Active
924m W	Treated sewage effluent discharge into Sor Brook	Revoked March 2015
924m W	Treated sewage effluent discharge into Sor Brook	Active
924m W	Treated sewage effluent discharge into Sor Brook	Revoked March 2010
924m W	Treated sewage effluent discharge into Sor Brook	Revoked December 2009
924m W	Treated sewage effluent discharge into Sor Brook	Revoked February 1991

Table 2: Discharge Consents Summary

3.6 Pollution Incidents to Controlled Waters

There have been no recorded pollution incidents within 1km of the site.

3.7 Fuel Stations and Contemporary Trade Entries

There are no fuel station entries within 1km of the site.

There are four contemporary trade directory entries within 500m of the site, and a further fourteen entries within 1km of the site. The nearest active entries relate to an oven cleaning service and a cleaning service.

3.8 Subsidence Risk

The maximum ratings for various ground subsidence hazards within 50m of the site is outlined in the Table 3 below. This rating is obtained through the ground stability hazard dataset, which are supplied by the British Geological Survey (BGS):

Subsidence Type	Risk Rating	Notes
Shrink-Swell Clays	Low	Site soils predominantly non-plastic with exception of weathered Charmouth Mudstone.
Landslides	Low	Significant slope towards E
Ground Dissolution of Soluble Rocks	No hazard	Soluble strata not present
Compressible Deposits	No hazard	Compressible strata not anticipated to pose a development constraint
Collapsible Rocks	Very low	No compressible strata present
Running Sands	No hazard	No running sands present

Table 3: Summary of Ground Stability

There are two entries of natural cavities located 912m to the south east and relate to gulls/fissures due to cambering.

3.9 Coal or Mineral Mining

The Envirocheck report indicates there is one area of known mining activity within 1km of the site, located 815m south of the site, and relating to opencast mining of the Marlstone Formation which has now ceased. Dates of operation are not supplied.

3.10 Landfill Sites and Waste Management

The Envirocheck report indicates there is one historic landfill site within 1km of the site, located 842m south of the site at Drayton Railway Cutting. This is indicated to have received inert and industrial waste between 1977 and 1993.

There is also a registered landfill site located 945m south of the site, indicated to be a railway cutting at Stratford Road which received construction and demolition waste.

3.11 Radon Risks

The Envirocheck report indicates that the majority of the site being within a higher probability radon area where 10% to 30% of homes are above the action level. As such, full radon protective measures are required in any new development.

3.12 Environmentally Sensitive Areas

The Neithrop Fields Cutting Site of Special Scientific Interest is located 856m south of the site.

4 Site History

The site history has been assessed by a study of historic Ordnance Survey Maps dating back to 1887 as supplied in an Envirocheck Report. The historical maps obtained from this source, whilst considered to be fairly comprehensive, may not represent all of the historical maps possibly published for the site.

The maps reviewed are presented for reference in **Appendix E**.

Date	Scale	Onsite	Offsite
1882-1905	1:10,560 & 1: 2,500	Site is shown to comprise agricultural fields	<p>The surrounding area is primarily agricultural fields.</p> <p>The village of Hanwell is located 250m north of the site.</p> <p>A spring is present 50m north east of the site.</p> <p>Drayton Lodge is present approximately 300m south west of the site.</p> <p>An old quarry is present approximately 300m south east of the site</p> <p>A quarry is present 750m south of the site.</p>
1922 – 1955	1:10,560 & 1: 2,500	Site is unchanged	<p>An additional spring is present immediately adjacent to the eastern site boundary.</p> <p>Allotment gardens are present 100m north of the site.</p> <p>A mineral railway has been constructed 1km south of the site, running approximately NW-SE.</p> <p>The quarry south of the site is now shown as <i>Old Quarry</i>.</p>
1967-1973	1:10,000 & 1: 2,500	Site is unchanged	<p>Surrounding area is largely unchanged.</p> <p>Wooded area adjacent to Hanwell is indicated as fish ponds</p>
1980 – 1990	1:10,000 & 1:2,500	Site is unchanged	<p>Surrounding area is largely unchanged.</p> <p>Mineral railway is now shown as dismantled.</p> <p>Banbury residential expansion has reached the fields within 500m of the south west site boundary.</p> <p>A sewage works is present 1.2km west of the site.</p>
1995 - 1999	1:10,000	Site is unchanged	<p>Surrounding area is largely unchanged.</p> <p>More residences have been constructed to the south west of the site.</p> <p>The railway cutting appears to have been partially filled in.</p>

Date	Scale	Onsite	Offsite
2018	1:10,000	Site is unchanged	<p>Surrounding area appears unchanged.</p> <p>Additional residential streets are present to the south of the site which appear to be currently under construction.</p>

Table 4: Site history summary

4.1 Site History Summary

The site and its immediate surroundings have been shown as open fields for the duration of the mapped period.

To the south of the site, the town of Banbury has undergone steady residential expansion with the Hanwell Fields development slowly expanding northwards with one new area of development currently being constructed immediately adjacent to the southern site boundary.

A mineral railway was present approximately 1km south of the site from the 1920s onwards, which was indicated as dismantled from 1980. The railway cutting was subsequently backfilled during the 1990s.

There are several backfilled quarries in the surrounding area, which were active primarily in the early 20th century with the last closing prior to 1922.

5 Preliminary Contamination Assessment

5.1 General

The following comprises a Preliminary Qualitative Assessment of contamination risk, in accordance with the methodology set out in **Appendix G**.

The CSM provides a method to characterise potential site risks, by outlining potential sources of contamination, identifying potential receptors that may be impacted, and determining potential pathways by which sources may affect receptors.

The following preliminary CSM has been derived from an assessment of the sites environmental setting, site history, and review of previous reports.

5.1.1 Potential Sources of Contamination

The potential contaminants described below have been identified from a study of the site history. The principal contaminative sources are as follows:

On-site

- Potential for organics in agricultural made ground and from agricultural vehicles;

Off-site

- Metals and organics from backfilled quarries;
- Organics in made ground;
- Ground gases from backfilled quarries

5.1.2 Potential Receptors

The following potential receptors have been identified, based on the proposed development of the site for residential purposes:

- Ground workers and construction workers;
- Future site users;
- Building materials

5.1.3 Potential Pathways

The following potential pathways need to be considered in relation to the receptors described above: -

i) Potential Receptor – Ground Workers and Construction Workers

<u>Potential Source</u>	<u>Potential Pathways</u>
• Metals and Metalloids -	Human uptake pathways
• Organics/hydrocarbons -	Human uptake pathways

ii) Potential Receptor - Future Site Users

<u>Potential Source</u>	<u>Potential Pathways</u>
• Metals and Metalloids -	Human uptake pathways
• Organics/hydrocarbons -	Human uptake pathways
• Ground Gas -	Vertical and lateral migration Inhalation

iii) Potential Receptor –Groundwater/Secondary 'A' Aquifer

<u>Potential Source</u>	<u>Potential Pathways</u>
• Soluble metals/metalloids -	Percolation/leaching and migration to groundwater
• Organic compounds -	Percolation/leaching and migration to groundwater

iv) *Potential Receptor - Building Materials*

<u>Potential Source</u>	<u>Potential Pathways</u>
• Organic compounds -	Contact or penetration of plastic water pipes
• Sulphates and pH -	contact with subsoil or ground concrete

5.2 Preliminary Conceptual Site Model (CSM)

The potential key contaminative substances, potential receptors and possible pathways are set out in the table below, assuming a worst-case scenario.

The preliminary CSM will be used to target the required site investigation and will be developed and refined, based on the results of the site investigation.

Table 5: Conceptual site model

Preliminary Conceptual Site Model						
Sources	Receptor	Pathway	Consequence	Probability	Risk	Recommended Action (to clarify level of risk and assess suitable mitigation measures or to mitigate the risk)
Heavy metals from on-site and off-site sources (made ground)	Future Site Users;	Human uptake pathways	Medium	Low likelihood	Moderate/Low risk	Site Investigation will be required to determine contamination potential of site soils, presence of made ground etc.
	Construction workers; Demolition workers.	Human uptake pathways	Medium	Low likelihood	Moderate/Low risk	Future mitigation measures to protect human health may be required depending upon results (capping, soil treatment, etc.). Use of suitable PPE and good hygiene practice on the site to mitigate risk.
	Groundwater	Percolation/ leaching/ migration to groundwater;	Mild	Low likelihood	Low risk	Soils have intermediate leaching potential, springs are shown close to site boundary, so groundwater may be present.
Organics/PAH/ Hydrocarbons/PCB from made ground	Future Site Users;	Human uptake pathways	Medium	Low likelihood	Moderate/Low risk	Site Investigation will be required to determine contamination potential of site soils, presence of made ground etc.
	Construction workers; Demolition workers	Human uptake pathways	Medium	Low likelihood	Moderate/Low risk	Future mitigation measures to protect human health may be required depending upon results (capping, soil treatment, etc.). Use of suitable PPE and good hygiene practice on the site to mitigate risk.
	Groundwater	Percolation and leaching to groundwater;	Medium	Low likelihood	Moderate/Low risk	Shallow groundwater anticipated on site based on springs in surrounding area. Installation of monitoring wells required as part of any subsequent ground investigation.
	Building Materials	Contact with water pipes;	Mild	Low likelihood	Low risk	Provide suitable pipe material if necessary.
Sulphates and pH	Building Materials	Contact with subsoil or groundwater	Medium	Low likelihood	Moderate/Low risk	BRE SD1 testing to be carried out as part of GI.
Ground Gases from backfilled quarries	Future Site Users;	Inhalation	Medium	Low likelihood	Moderate/Low risk	Low potential for ground gas in made ground, ground gas monitoring to be undertaken as part of any ground investigation.
	Construction workers.	Inhalation	Medium	Low likelihood	Moderate/Low risk	
Radon	Future Site Users	Inhalation	Severe	Likely	High risk	The site is in a radon affected area and as such full protective measures are required

6 Preliminary Geotechnical Assessment

A preliminary geotechnical risk register has been produced for the site outlining potential geotechnical risks, and this is reproduced in **Appendix F**.

6.1 Expected Ground Conditions

Ground conditions over much of the site are expected to comprise a nominal thickness of made ground/topsoil associated with the agricultural activities overlying natural strata.

The natural strata will primarily comprise limestone of the Marlstone Formation which overlies the Dyrham Formation and consist of mudstone, siltstone and sandstone.

An upper weathered surface of residual soils will likely be present.

6.2 Groundwater

Shallow groundwater should also be expected across areas of the site where the Marlstone Formation is present. The groundwater is likely to be present in joints and discontinuities so will be not widespread across the site but located in discrete areas where joint dip and direction favours flow. There are multiple springs in the surrounding area, which indicate the potential for a relative substantial flow if encountered at depth within the limestone.

It would be prudent to install groundwater standpipes across the site so the level of any groundwater can be monitored and an assessment on its impact to the proposed works can be made.

6.3 Foundation Options

Shallow foundations founding on the underlying Marlstone Rock Formation and Dyrham Formation will likely be suitable across the majority of the site, dependent on the depth to underlying bedrock and strength of subsurface soils.

The strength of the underlying strata should be determined during the phase 2 ground investigation, so an assessment on allowable bearing pressure and likely settlement can be made.

If the loads of the proposed structure are significantly high or the strength of underlying soils deemed unsuitable to support the proposed load, then deeper foundations, such as piles, will be required, extending into the underlying bedrock.

6.4 Floor Slab Design

Ground bearing floor slabs are likely to be suitable across the majority of the site although suspended floor slabs may be required for any buildings if a significant thickness of incompetent made ground is present.

6.5 Excavations

Excavations on site should be feasible using standard mechanical plant with toothed buckets. Should any significant excavations be required then the use of a hydraulic breaker may be required to aid in the excavation of the bedrock to achieve the desired depth.

7 Conclusions and Recommendations

7.1 Environmental Assessment

On-site

- Potential for organics in agricultural made ground and from agricultural vehicles;

Off-site

- Metals and organics from backfilled quarries;
- Organics in made ground;
- Ground gases from backfilled quarries.

The primary contamination risks at the site arise from the previous any made ground associated with previous earthworks, and the relevant pollutant linkages that are potentially in operation at the site are as follows:

- Heavy Metal/ Semi-metals/hydrocarbons in historic made ground (risk to construction workers and future site users);
- Ground gas (risk to future site users).

However, in general the contamination potential of the site is considered to be low.

Further site investigation will be required to confirm the contaminative potential of the site.

7.2 Geotechnical Assessment

Ground conditions over much of the site are expected to comprise a nominal thickness of agricultural made ground/topsoil overlying natural strata.

The natural strata are likely to consist of residual soils associated with the underlying bedrock, overlying competent bedrock of the Marlstone Rock Formation, Dyrham Formation, and Charmouth Mudstone Formations.

Shallow foundations are likely to be suitable founding on residual soils or bedrock.

There is the potential for shallow groundwater on site and procedures on how to deal with it within excavations should be made prior to siteworks

Infiltration drainage is likely viable on-site where the Marlstone Formation is present at shallow depths.

7.3 Recommendations

Prior to redevelopment, an intrusive phase II ground investigation should be carried out over the site to identify and quantify any contamination, determine depth and strength of underlying strata, and obtain suitable parameters for geotechnical design. A proposed scope for site investigation works depends on the layout of the proposed development, but is likely to comprise the following:

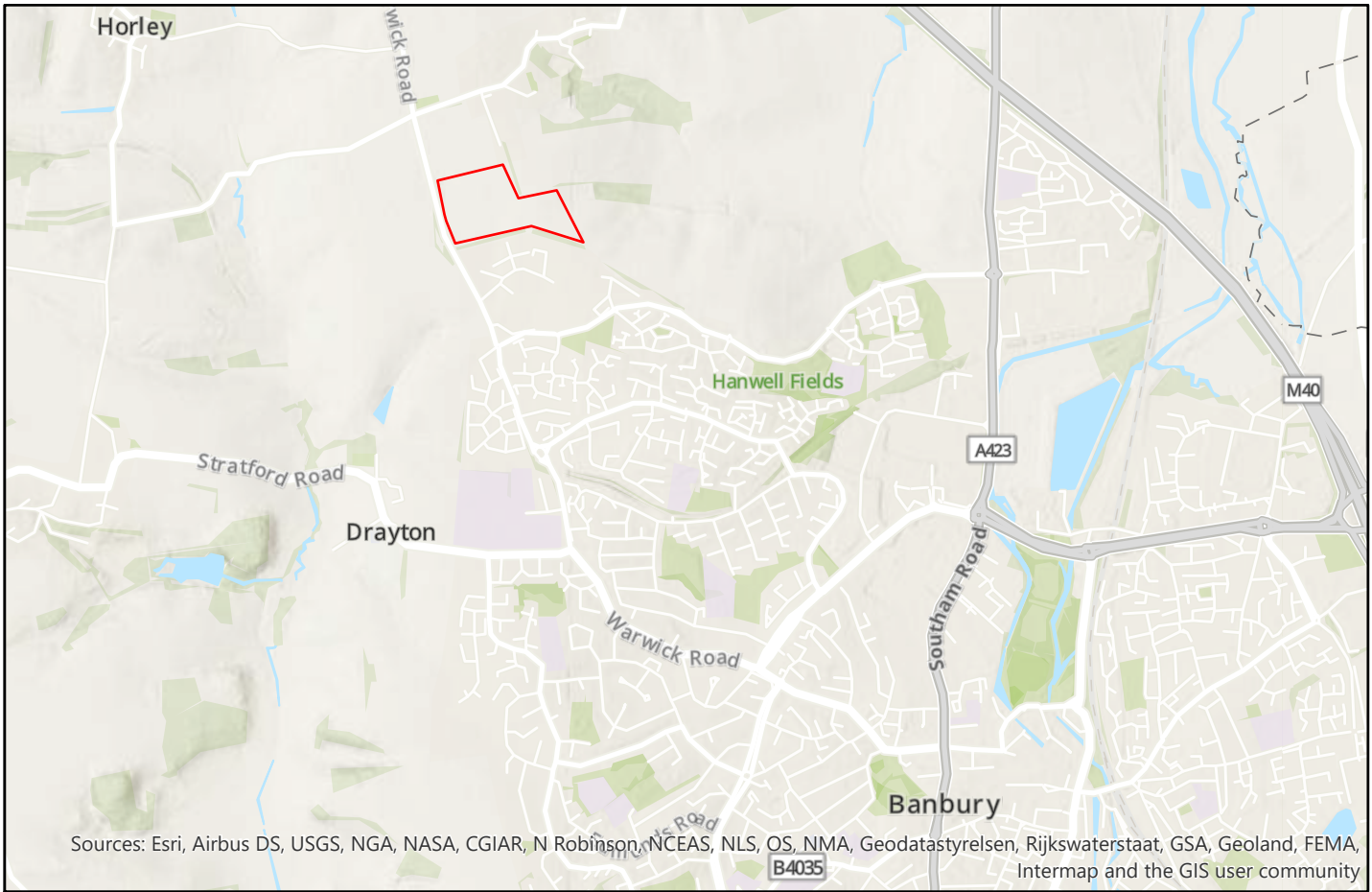
- Machine excavated trial pits spread across the site;
- Window sample boreholes with SPT testing;
- If higher loads predicted, then rotary cored boreholes extending up to 10m into bedrock to determine strength of underlying bedrock.
- Installation of gas/groundwater monitoring wells and program of monitoring;
- In-situ CBR testing (Plate bearing tests/TRL DCP);
- Programme of contamination and geotechnical testing;
- Soakaway testing to assess viability of infiltration drainage.

Contamination testing should include an appropriate suite of contaminants for solids to include Metals, Organics/Hydrocarbons and Sulphates/pH. Waste Acceptance Criteria Testing (WAC) should also be captured as part of the Phase II investigation, if it is anticipated that soils are to be disposed of off-site.

A suitable Interpretative Report will be required, to determine foundation and floor slab solutions, parameters for road pavement design, and an assessment of contamination risk.

A search of statutory service information held by service providers should be undertaken prior to any site investigation, and appropriate on-site precautions employed by site investigation contractors to protect any services identified.

APPENDIX A: SITE LOCATION PLAN



Appendix A: Site Location Plan

17279 Land East of Warwick Road, Banbury



APPENDIX B: SITE WALKOVER SURVEY

Walkover Survey Record

Project	Hanwell Fields	Date	13/08/2018
Location	Banbury	Weather	Sunny
Client	Bovis Homes	Contact	Lucy Atkins

Site Visit Objectives
Site walkover to identify potential geo-environmental constraints

Site Visit Notes
<p>The site consists of three open fields to the south of the village of Hanwell, near Banbury</p> <p>The site is bound by Warwick Road to the west, agricultural fields to the north and east, and a Persimmon housing development to the south.</p> <p>The site is accessed via a track from the village of Hanwell</p> <p>The western field is approximately square, and measures roughly 300m x 320m. This field is generally flat, with gentle undulating topography in the south eastern area. The boundaries between fields consist of dense mature deciduous trees. There is a hedgerow boundary between this field and Warwick Road</p> <p>The central field is roughly kite shaped, measuring approximately 190m x 320m along the two axes. This field is generally flat with dense treeline boundaries.</p> <p>The eastern field is irregular in shape, measuring approximately 350m x 350m</p> <p>This field is generally flat in the west, and slopes down steeply towards the north eastern corner.</p> <p>This field is bound to the north by a small, thickly wooded area with a small stream running through it.</p> <p>All three fields appear to have been recently cultivated.</p>

Photographic Record
 
<p>Plate 1: General view of western field</p> <p>Plate 2: General view of central field</p>



Plate 3: General view of eastern field



Plate 4: Sloping topography in eastern field



Plate 5: Typical dense tree line boundary



Plate 6: Access road from Hanwell



Plate 7: Warwick Road adjacent to site



Plate 8: Track into fields



Plate 9: Access from track into field



Plate 10: Adjacent Persimmon site

APPENDIX C: ILLUSTRATIVE MASTERPLAN



- Site Boundary (12.63ha)
- 1 Arrival Square
- 2 Attenuation Pond
- 3 Wildflower Meadow and Oak Parkland
- 4 Woodland Planting
- 5 Public Right of Way Integrated within Green Corridor
- 6 Vehicular Access Point
- 7 Main Street With Green Verge, Including Rain Gardens
- 8 Neighbourhood Green with Swale
- 9 Natural Play Space
- 10 Informal Kick-about Space
- 11 Mown Grass Trails

client
Vistry Homes Ltd

project title
Land to the East of Warwick Road, Banbury

drawing title
Concept Masterplan

date	06 OCTOBER 2022	drawn by	NBo
drawing number	edp3253_d038d	checked	RAI
scale	1:5,000 @ A3	QA	RBa

edp the environmental
dimensions partnership

Registered office: 01285 740427 - www.edp-uk.co.uk - info@edp-uk.co.uk

APPENDIX D: ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

175097433_1_1

Customer Reference:

17279

National Grid Reference:

443300, 243060

Slice:

A

Site Area (Ha):

22.38

Search Buffer (m):

1000

Site Details:

Warwick Road

BANBURY

Client Details:

Mr P Weber

Jubb Consulting Engineers Ltd

Ensign House

Parkway Court

Longbridge Road

Plymouth

PL6 8LR

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	14
Industrial Land Use	16
Sensitive Land Use	18
Data Currency	19
Data Suppliers	24
Useful Contacts	25

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			6	5
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3		Yes		
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 4				3
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 4			1	1 (*5)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 5	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 6	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 6		2	16	40

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 13				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 13	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 13				1
Registered Landfill Sites	pg 13				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 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 14				1
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities	pg 14				2
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 14	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 14	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 15	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 15	Yes	n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 16			4	14
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 18	2			
Ramsar Sites					
Sites of Special Scientific Interest	pg 18				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (NW)	0	1	443301 243064
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A11SE (E)	0	1	443350 243050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7SW (S)	323	1	443150 242600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	(E)	359	1	444400 243000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7SW (S)	384	1	443100 242550
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A7SE (S)	417	1	443300 242500
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8SE (SE)	439	1	444200 242400
1	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Hanwell Stw, Hanwell, Banbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0260 Permit Version: 3 Effective Date: 1st April 2010 Issued Date: 1st April 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Un-Named Trib Of Hanwell Brook Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A12NW (NE)	409	2	443700 243600
1	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Hanwell Stw, Hanwell, Banbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssc.0260 Permit Version: 2 Effective Date: 1st April 2009 Issued Date: 28th January 2009 Revocation Date: 31st March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Un-Named Trib Of Hanwell Brook Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A12NW (NE)	409	2	443700 243600
1	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Hanwell Stw, Hanwell, Banbury, Oxon Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSC.0260 Permit Version: 1 Effective Date: 10th October 1985 Issued Date: 10th October 1985 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Hanwell Brook, Trib Of Oxford Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A12NW (NE)	409	2	443700 243600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Hanwell Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2648 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hanwell Brook Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A12NW (NE)	410	2	443700 243601
1	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Hanwell Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2648 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Hanwell Brook Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 10m	A12NW (NE)	410	2	443700 243601
2	Discharge Consents Operator: Trinity College Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Drayton Lodge Farm House & Barn 1-3 Warwick Road Banbury Oxon Ox17 1hj Ox17 1hj Authority: Environment Agency, Thames Region Catchment Area: Cherwell and Ray (Oxon) Reference: Cawm.1562 Permit Version: 1 Effective Date: 11th October 2007 Issued Date: 11th October 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Un-Named Trib Of Sor Brook 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	A7SW (S)	427	2	443087 242509
3	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Horley Sewage Treatment Workshorleyoxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntd.0076 Permit Version: 5 Effective Date: 10th March 2010 Issued Date: 10th March 2010 Revocation Date: 30th March 2015 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NE (W)	924	2	442220 243400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Horley Sewage Treatment Workshorleyoxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntd.0076 Permit Version: 6 Effective Date: 31st March 2015 Issued Date: 10th March 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NE (W)	924	2	442220 243400
3	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Horley Sewage Treatment Workshorleyoxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntd.0076 Permit Version: 4 Effective Date: 1st January 2010 Issued Date: 25th September 2009 Revocation Date: 9th March 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NE (W)	924	2	442220 243400
3	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Horley Sewage Treatment Workshorleyoxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntd.0076 Permit Version: 3 Effective Date: 8th March 2005 Issued Date: 8th March 2005 Revocation Date: 31st December 2009 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NE (W)	924	2	442220 243400
3	Discharge Consents Operator: Thames Water Utilities Limited. Property Type: WWTW/SEWAGE TREATMENT WORKS (WATER COMPANY) Location: Horley Sewage Treatment Workshorleyoxfordshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntd.0076 Permit Version: 1 Effective Date: 24th November 1989 Issued Date: 24th November 1989 Revocation Date: 28th February 1991 Discharge Type: Sewage Discharges - Final/Treated Effluent - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Sor Brook Status: By direction of Secretary of State (Water Act 1989, Schedule 26 & 25(4)(5)) Positional Accuracy: Located by supplier to within 10m	A9NE (W)	924	2	442220 243400
	Nearest Surface Water Feature	A12SE (E)	9	-	444060 243117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Hanwell Bk GQA Grade: River Quality A Reach: Avon Dassett - Oxford Canal Estimated Distance 14 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A16NE (NE)	902	2	444058 244071
	River Quality Name: Sor Bk GQA Grade: River Quality B Reach: Source - Bloxham Bk Estimated Distance 22.7 (km): Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A6NW (W)	904	2	442258 242889
	River Quality Name: Hornton Strm GQA Grade: River Quality B Reach: Hornton - Sor Bk Estimated Distance 3.7 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A9SE (W)	907	2	442225 243085
4	Water Abstractions Operator: Mr D M Turner Licence Number: 28/39/14/0138 Permit Version: 100 Location: Drayton Lodge, Hanwell (A) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 4909 Details: Middle Lias Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	336	2	443100 242600
5	Water Abstractions Operator: M Knight Licence Number: 28/39/14/0150 Permit Version: Not Supplied Location: The Elms, Warwick Rd, HANWELL Authority: Environment Agency, Thames Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 5 Yearly Rate (m3): 1127 Details: Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4NW (S)	712	2	443600 242200
	Water Abstractions Operator: Lord De La Warr Licence Number: 28/39/14/0118 Permit Version: 101 Location: Spring Farm, Hanwell (Catchpit - A) Authority: Environment Agency, Thames Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th February 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1220	2	443600 244500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lord De La Warr Licence Number: 28/39/14/0118 Permit Version: 101 Location: Spring Farm, Hanwell (Catchpit - A) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th February 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1220	2	443600 244500
	Water Abstractions Operator: Lord De La Warr Licence Number: 28/39/14/0118 Permit Version: 100 Location: Spring Farm, Hanwell (Catchpit - A) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 27 Yearly Rate (m3): 7455 Details: Additional Purpose(s) - Private Water Supply (3191). Middle Lias Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(N)	1220	2	443600 244500
	Water Abstractions Operator: Lord De La Warr Licence Number: 28/39/14/0118 Permit Version: 100 Location: Spring Farm, Hanwell (Catchpit - A) Authority: Environment Agency, Thames Region Abstraction: Household Private Water Undertaking: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1220	2	443600 244500
	Water Abstractions Operator: Drayton Farms Licence Number: 28/39/14/0041 Permit Version: 100 Location: Sor Brook At Park Farm, Wroxton (Between A & B) Authority: Environment Agency, Thames Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): 13638 Details: Park Farm, Wroxton Authorised Start: 01 May Authorised End: 31 August Permit Start Date: 19th February 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SW)	1452	2	442600 241600
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 30 Northern Cotswolds Scale: 1:100,000	A11SE (NW)	0	2	443301 243064
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 30 Northern Cotswolds Scale: 1:100,000	A12NW (NE)	0	2	443633 243396

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A11NE (NE)	0	1	443587 243496
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A11SE (NW)	0	1	443301 243064
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12SE (E)	9	3	444060 243117
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 215.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12SE (E)	89	3	444072 243197
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12SE (E)	295	3	444204 243367
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NE)	298	3	444088 243513
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	334	3	443752 243529
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NE)	388	3	444020 243533

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NE)	389	3	444030 243526
13	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	389	3	443758 243591
14	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A12NW (NE)	395	3	443758 243591
15	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A12NW (NE)	404	3	443757 243600
16	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NE (NE)	405	3	443975 243604
17	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	411	3	443813 243620
18	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	419	3	443759 243646
19	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	431	3	443890 243656
20	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 229.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A7SW (S)	432	3	443086 242504

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	449	3	443748 243647
22	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	449	3	443759 243646
23	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A12NW (NE)	460	3	443888 243655
24	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 167.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A3NW (SW)	655	3	442961 242313
25	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A6SW (SW)	685	3	442576 242663
26	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	744	3	442567 243700
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	745	3	442565 243699
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 99.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	758	3	442410 243461
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 253.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A6SW (SW)	766	3	442484 242675

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
30	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 223.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A6SW (SW)	773	3	442493 242633
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A6NW (W)	789	3	442391 242908
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	811	3	442467 243684
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	811	3	442467 243684
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A2NE (SW)	813	3	442896 242168
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 363.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A2NE (SW)	816	3	442894 242165
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 463.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A10SW (W)	830	3	442297 243054
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A6NW (W)	836	3	442359 242841
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A6NW (W)	836	3	442359 242841

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A6NW (W)	845	3	442339 242888
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	852	3	442322 243499
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (W)	853	3	442294 243418
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	855	3	442411 243679
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 136.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (NW)	855	3	442411 243679
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A10NW (W)	863	3	442282 243395
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A6NW (W)	867	3	442277 243020
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A6SW (SW)	870	3	442502 242413
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A6SW (SW)	870	3	442502 242413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 259.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A4SW (S)	877	3	443695 241958
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A4SE (SE)	899	3	443945 241892
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 225.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A10NW (W)	913	3	442251 243475
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 481.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9NE (W)	922	3	442229 243429
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A4SE (SE)	926	3	443977 241864
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 219.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A2NE (SW)	930	3	442598 242218
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A2NW (SW)	937	3	442462 242355
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 939.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A10NW (NW)	943	3	442287 243642
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Sor Brook Catchment Name: Thames Primacy: 1	A2NW (SW)	955	3	442539 242240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A2NW (SW)	960	3	442537 242234
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A2NW (SW)	960	3	442538 242234
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A5NE (W)	972	3	442229 242798
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A4SE (SE)	985	3	444072 241808
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A5NE (W)	991	3	442150 243024
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A2NW (SW)	991	3	442563 242169
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A4SE (SE)	996	3	444092 241798

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	Historical Landfill Sites Licence Holder: Banbury Plant Hire Location: Drayton, Oxfordshire Name: Drayton Railway Cutting Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13805 First Input Date: 31st December 1977 Last Input Date: 31st December 1993 Specified Waste: Deposited Waste included Inert and Industrial Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3100/0025 BGS Ref: Not Supplied Other Ref: TP0364, W10025, OCC/009, 13.7.025	A3NW (S)	842	2	443132 242076
	Local Authority Landfill Coverage Name: Cherwell District Council - Has supplied landfill data		0	4	443301 243064
	Local Authority Landfill Coverage Name: Oxfordshire County Council - Has supplied landfill data		0	5	443301 243064
65	Local Authority Recorded Landfill Sites Location: Drayton Mineral Railway, Banbury Reference: 11 Authority: Cherwell District Council, Environmental Health Department Last Reported Status: Unknown Types of Waste: Builders Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Good	A3NW (S)	842	4	443132 242077
66	Registered Landfill Sites Licence Holder: Banbury Plant Hire Ltd Licence Reference: OCC/ 9 Site Location: Railway Cutting At Stratford Road, Drayton, Banbury, Oxfordshire Licence Easting: 443480 Licence Northing: 242000 Operator Location: The Lido, Middleton Road, Banbury, Oxfordshire Authority: Environment Agency - Thames Region, West Area Site Category: Landfill - Railway cutting Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled Dated: 1st July 1977 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Construction And Demolition Wastes	A3SE (S)	945	2	443480 242000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	A11SE (NW)	0	1	443301 243064
67	BGS Recorded Mineral Sites Site Name: Warwick Road Location: Not Supplied Source: British Geological Survey, National Geoscience Information Service Reference: 39667 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Jurassic Geology: Marlstone Rock Formation Commodity: Iron Ore - Ironstone Positional Accuracy: Located by supplier to within 10m	A3NE (S)	815	1	443371 242118
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Natural Cavities Easting: 443800 Northing: 241900 Distance: 912 Quadrant Reference: A4 Quadrant Reference: SW Bearing Ref: SE Cavity Type: Gulls/Fissures due to Cambering Solid Geology Detail: Lias Group, Lias Group, Marlstone Rock Formation Superficial Geology No Details Detail:	A4SW (SE)	912	6	443800 241900
	Natural Cavities Easting: 443800 Northing: 241900 Distance: 912 Quadrant Reference: A4 Quadrant Reference: SW Bearing Ref: SE Cavity Type: Gulls/Fissures due to Cambering Solid Geology Detail: Lias Group, Lias Group, Marlstone Rock Formation Superficial Geology No Details Detail:	A4SW (SE)	912	6	443800 241900
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	443908 243063
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A12SE (E)	94	1	443938 243242
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A11NE (NE)	0	1	443587 243496
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A7SE (S)	172	1	443446 242670
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	443925 243051
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	0	1	444025 242976
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Higher probability radon area (10 to 30% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A12SW (E)	0	1	443925 243051
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A8NE (E)	0	1	444025 242976
	Radon Potential - Radon Protection Measures Protection Measure: Full radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A11SE (NW)	0	1	443301 243064

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Contemporary Trade Directory Entries Name: Cookerburra Oven Cleaning Services Location: 10, Meadowsweet Way, Banbury, Oxfordshire, OX16 1WE Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	277	-	444092 242530
69	Contemporary Trade Directory Entries Name: Mum On He Run Cleaning Banbury Location: 34, Winter Gardens Way, Banbury, OX16 1UT Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (SE)	331	-	444094 242473
70	Contemporary Trade Directory Entries Name: Chem-Clean Location: 20, Winchelsea Close, Banbury, Oxfordshire, OX16 1XQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (SE)	446	-	443863 242366
70	Contemporary Trade Directory Entries Name: Chemclean Location: 16, Winchelsea Close, Banbury, Oxfordshire, OX16 1XQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	457	-	443870 242352
71	Contemporary Trade Directory Entries Name: Wright & Banks Location: Warwick Rd, Banbury, Oxfordshire, OX17 1HJ Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (S)	520	-	443414 242434
72	Contemporary Trade Directory Entries Name: Lindo & Pinto Ltd Location: 31, Rye Close, Banbury, Oxfordshire, OX16 1XG Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	536	-	443792 242296
73	Contemporary Trade Directory Entries Name: First Move Ltd Location: 33, Hardwick Park, Banbury, Oxfordshire, OX16 1YE Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A4NW (S)	715	-	443636 242175
74	Contemporary Trade Directory Entries Name: Animal Rescue & Control Location: 140, Sussex Drive, Banbury, Oxfordshire, OX16 1UL Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NE (SE)	740	-	444041 242051
75	Contemporary Trade Directory Entries Name: Associated Laboratory Services Location: 9, Romney Road, Banbury, Oxfordshire, OX16 1YA Classification: Laboratory Equipment, Instruments & Supplies Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (SE)	755	-	443905 242041
75	Contemporary Trade Directory Entries Name: Work Area Ltd Location: Banbury, Oxfordshire, OX16 1ya Classification: Office Furniture & Equipment Status: Active Positional Accuracy: Manually positioned within the geographical locality	A4SW (SE)	786	-	443894 242011
76	Contemporary Trade Directory Entries Name: Parwel Location: 8, Hardwick Park, Banbury, Oxfordshire, OX16 1YD Classification: Packaging Materials Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A4NW (S)	767	-	443654 242105
77	Contemporary Trade Directory Entries Name: Chill Systems Location: 91, Sussex Drive, Banbury, Oxfordshire, OX16 1UW Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A4SE (SE)	775	-	443962 242016

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	Contemporary Trade Directory Entries Name: Chill Systems Location: 91, Sussex Drive, Banbury, Oxfordshire, OX16 1UW Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A4SE (SE)	775	-	443962 242016
78	Contemporary Trade Directory Entries Name: M R Equipe Ltd Location: 77, Sussex Drive, Banbury, Oxfordshire, OX16 1UW Classification: Motor Cycle & Component Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A4SW (SE)	819	-	443911 241976
79	Contemporary Trade Directory Entries Name: Total Laundry Care Location: 68, Ferriston, Banbury, Oxfordshire, OX16 1XE Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A4SE (SE)	823	-	444255 242009
79	Contemporary Trade Directory Entries Name: Total Laundry Care Location: 68, Ferriston, Banbury, Oxfordshire, OX16 1XE Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A4SE (SE)	823	-	444255 242009
80	Contemporary Trade Directory Entries Name: Pulse Utilities Location: 40, Red Poll Close, Banbury, Oxfordshire, OX16 1UG Classification: Electricity Companies Status: Inactive Positional Accuracy: Automatically positioned to the address	A4SE (SE)	851	-	444159 241954
81	Contemporary Trade Directory Entries Name: It Car Sales Location: 3, Talbot Close, Banbury, Oxfordshire, OX16 1DY Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A4SW (SE)	960	-	443852 241842

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	Nitrate Vulnerable Zones Name: Cherwell (Ray To Thames) And Woodeaton Brook Nvz Description: Surface Water Source: Environment Agency, Head Office	A11SE (NW)	0	8	443301 243064
83	Nitrate Vulnerable Zones Name: Balscote Description: Groundwater Source: Environment Agency, Head Office	A11SE (NW)	0	8	443301 243064
84	Sites of Special Scientific Interest Name: Neithrop Fields Cutting Multiple Areas: N Total Area (m2): 14386.57 Source: Natural England Reference: 1002934 Designation Details: Geological Conservation Review Designation Date: 14th March 1986 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 14th March 1986 Date Type: Notified	A4SW (S)	856	7	443670 241973

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Stratford-on-Avon District Council - Environmental Services Cherwell District Council - Environmental Health Department	April 2014 October 2014	Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	April 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Midlands Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
Integrated Pollution Controls Environment Agency - Midlands Region Environment Agency - Thames Region	October 2008 October 2008	Variable Variable
Integrated Pollution Prevention And Control Environment Agency - Midlands Region Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Stratford-on-Avon District Council - Environmental Health Department Cherwell District Council - Environmental Health Department	August 2014 October 2014	Variable Variable
Local Authority Pollution Prevention and Controls Stratford-on-Avon District Council - Environmental Health Department Cherwell District Council - Environmental Health Department	August 2014 October 2014	Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Stratford-on-Avon District Council - Environmental Health Department Cherwell District Council - Environmental Health Department	August 2014 October 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region Environment Agency - Thames Region	July 2015 March 2013	As notified As notified
Prosecutions Relating to Controlled Waters Environment Agency - Midlands Region Environment Agency - Thames Region	March 2013 March 2013	As notified As notified
Registered Radioactive Substances Environment Agency - Midlands Region Environment Agency - Thames Region	January 2015 January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	April 2018 April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	April 2018	Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Midlands Region Environment Agency - Thames Region	October 2017 October 2017	Quarterly Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	May 2018	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	May 2018	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	May 2018	Quarterly
Flood Defences Environment Agency - Head Office	May 2018	Quarterly
OS Water Network Lines Ordnance Survey	May 2018	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	April 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Midlands Region Environment Agency - Thames Region	October 2008 October 2008	Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	April 2018 April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	April 2018 April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Cherwell District Council - Environmental Health Department Oxfordshire County Council Stratford-on-Avon District Council Warwickshire County Council	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cherwell District Council - Environmental Health Department Oxfordshire County Council Stratford-on-Avon District Council Warwickshire County Council	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - Thames Region - West Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - Thames Region - West Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - Thames Region - West Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Cherwell District Council Oxfordshire County Council Stratford-on-Avon District Council Warwickshire County Council	February 2016 February 2016 February 2016 July 2007	Variable Variable Variable Annual Rolling Update
Planning Hazardous Substance Consents Cherwell District Council Oxfordshire County Council Stratford-on-Avon District Council Warwickshire County Council	February 2016 February 2016 February 2016 July 2007	Variable Variable Variable Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2018	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2017	Bi-Annually
Areas of Adopted Green Belt Cherwell District Council Stratford-on-Avon District Council	February 2018 February 2018	As notified As notified
Areas of Unadopted Green Belt Cherwell District Council Stratford-on-Avon District Council	February 2018 February 2018	As notified As notified
Areas of Outstanding Natural Beauty Natural England	February 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	February 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2018	Bi-Annually
Special Areas of Conservation Natural England	January 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
4	Cherwell District Council - Environmental Health Department Bodicote House, Bodicote, Banbury, Oxfordshire, OX15 4AA	Telephone: 01295 252535 extn 4511 Fax: 01295 270028 Website: www.cherwell-dc.gov.uk
5	Oxfordshire County Council County Hall, New Road, Oxford, Oxfordshire, OX1 1ND	Telephone: 01865 792422 Fax: 01865 810106 Email: environmental.services@oxfordshire.gov.uk Website: www.oxfordshire.gov.uk
6	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
7	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

175097433_1_1

Customer Reference:

17279

National Grid Reference:

444600, 242980

Slice:

B

Site Area (Ha):

22.38

Search Buffer (m):

1000

Site Details:

Warwick Road
BANBURY

Client Details:

Mr P Weber
Jubb Consulting Engineers Ltd
Ensign House
Parkway Court
Longbridge Road
Plymouth
PL6 8LR

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	4
Hazardous Substances	-
Geological	5
Industrial Land Use	6
Sensitive Land Use	7
Data Currency	8
Data Suppliers	13
Useful Contacts	14

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes		Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents					
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls					
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 1			Yes	
Pollution Incidents to Controlled Waters					
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 1				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 1				1 (*1)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 1	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 1	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 2			3	7

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 4	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
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 1:625,000 Solid Geology	pg 5	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 5	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 5	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 5	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures	pg 5	Yes	n/a	n/a	n/a

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 6				6
Fuel Station Entries					
Gas Pipelines					
Underground Electrical Cables					
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 7	2			
Ramsar Sites					
Sites of Special Scientific Interest	pg 7				1
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B5NW (SW)	0	1	444450 242800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B5NW (W)	359	1	444450 242976
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	B5SW (SW)	439	1	444300 242400
	Nearest Surface Water Feature	B9SW (NW)	320	-	444430 243313
	River Quality Name: Hanwell Bk GQA Grade: River Quality A Reach: Avon Dassett - Oxford Canal Estimated Distance 14 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	B10SW (NE)	902	2	444999 243222
1	Water Abstractions Operator: P M & S M Donger Licence Number: 28/39/14/0229 Permit Version: Not Supplied Location: Hanwell Fields Farm, BANBURY, Oxfordshire Authority: Environment Agency, Thames Region Abstraction: Private Water Supplies (Domestic) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1 Yearly Rate (m3): 399 Details: Middle Lias; Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B1NE (S)	856	2	444700 242300
	Water Abstractions Operator: R & A Lidsey Licence Number: 28/39/14/0209 Permit Version: Not Supplied Location: Harwick Farm, BANBURY, Oxfordshire Authority: Environment Agency, Thames Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 9 Yearly Rate (m3): 3318 Details: Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	B7NE (E)	1949	2	446000 243000
	Groundwater Vulnerability Soil Classification: Soils of Intermediate Leaching Potential (I1) - Soils which can possibly transmit a wide range of pollutants Map Sheet: Sheet 30 Northern Cotswolds Scale: 1:100,000	B5NW (SW)	0	2	444325 242784
	Groundwater Vulnerability Soil Classification: Not classified Map Sheet: Sheet 30 Northern Cotswolds Scale: 1:100,000	B5NW (W)	0	2	444596 242976
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	B5NW (W)	0	1	444596 242976
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	B5NW (SW)	0	1	444432 242779

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Superficial Aquifer Designations No Data Available				
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
2	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B9SW (NW)	295	3	444430 243313
3	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 237.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B9SW (NW)	352	3	444408 243079
4	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B9SW (N)	427	3	444557 243313
5	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B9SW (N)	542	3	444562 243313
6	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 462.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B9SE (N)	547	3	444625 243298
7	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 356.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B1NW (S)	659	3	444480 242339
8	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 776.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B10SW (E)	933	3	445019 243075

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 752.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B10SW (NE)	936	3	444984 243220
10	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B1NE (S)	968	3	444820 242278
11	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 598.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	B1NE (S)	973	3	444827 242279

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Cherwell District Council - Has supplied landfill data		0	4	444596 242976
	Local Authority Landfill Coverage Name: Oxfordshire County Council - Has supplied landfill data		0	5	444596 242976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lias Group	B5NW (W)	0	1	444596 242976
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444596 242976
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444596 242976
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444596 242976
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444596 242976
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	B5NW (S)	0	1	444595 242961
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444596 242976
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444596 242976
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	B5NW (SW)	0	1	444432 242779
	Radon Potential - Radon Affected Areas Affected Area: The property is an Intermediate probability radon area (3 to 5% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444525 242976
	Radon Potential - Radon Protection Measures Protection Measure: Basic radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	B5NW (W)	0	1	444525 242976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Contemporary Trade Directory Entries Name: C M T Cleaning Services Ltd Location: 7, Harlequin Way, Banbury, OX16 1FS Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	B1NW (S)	796	-	444512 242182
13	Contemporary Trade Directory Entries Name: Twenty 4 Seven Services Ltd Location: 44, Forgeway, BANBURY, Oxfordshire, OX16 1QS Classification: Engineering Materials Status: Inactive Positional Accuracy: Automatically positioned to the address	B1SW (S)	911	-	444395 241970
13	Contemporary Trade Directory Entries Name: 24 7 Services Location: 44, Forgeway, Banbury, Oxfordshire, OX16 1QS Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	B1SW (S)	911	-	444395 241970
13	Contemporary Trade Directory Entries Name: Gabion Solutions Location: 44, Forgeway, Banbury, OX16 1QS Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	B1SW (S)	912	-	444398 241970
14	Contemporary Trade Directory Entries Name: R Babbs Location: 7, Hydrangea Walk, Banbury, Oxfordshire, OX16 1XX Classification: Domestic Appliances - Servicing, Repairs & Parts Status: Inactive Positional Accuracy: Automatically positioned to the address	B1NE (S)	929	-	444755 242250
15	Contemporary Trade Directory Entries Name: 5 Star Cleaining Team Location: 1, Forsythia Walk, Banbury, Oxfordshire, OX16 1YR Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	B1NE (S)	978	-	444747 242160

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Nitrate Vulnerable Zones Name: Cherwell (Ray To Thames) And Woodeaton Brook Nvz Description: Surface Water Source: Environment Agency, Head Office	B5NW (W)	0	7	444596 242976
17	Nitrate Vulnerable Zones Name: Balscote Description: Groundwater Source: Environment Agency, Head Office	B5NW (W)	0	7	444596 242976
18	Sites of Special Scientific Interest Name: Neithrop Fields Cutting Multiple Areas: N Total Area (m2): 14386.57 Source: Natural England Reference: 1002934 Designation Details: Geological Conservation Review Designation Date: 14th March 1986 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 14th March 1986 Date Type: Notified	(SW)	856	6	443915 241937

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Stratford-on-Avon District Council - Environmental Services South Northamptonshire Council - Environment Division Cherwell District Council - Environmental Health Department	April 2014 August 2013 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	April 2018	Quarterly
Enforcement and Prohibition Notices Environment Agency - Anglian Region Environment Agency - Midlands Region Environment Agency - Thames Region	March 2013 March 2013 March 2013	As notified As notified As notified
Integrated Pollution Controls Environment Agency - Anglian Region Environment Agency - Midlands Region Environment Agency - Thames Region	October 2008 October 2008 October 2008	Variable Variable Variable
Integrated Pollution Prevention And Control Environment Agency - Anglian Region Environment Agency - Midlands Region Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	April 2018 April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Stratford-on-Avon District Council - Environmental Health Department South Northamptonshire Council - Environmental Health Department Cherwell District Council - Environmental Health Department	August 2014 December 2014 October 2014	Variable Variable Variable
Local Authority Pollution Prevention and Controls Stratford-on-Avon District Council - Environmental Health Department South Northamptonshire Council - Environmental Health Department Cherwell District Council - Environmental Health Department	August 2014 December 2014 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Stratford-on-Avon District Council - Environmental Health Department South Northamptonshire Council - Environmental Health Department Cherwell District Council - Environmental Health Department	August 2014 December 2014 October 2014	Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Midlands Region Environment Agency - Anglian Region Environment Agency - Thames Region	July 2015 March 2013 March 2013	As notified As notified As notified
Prosecutions Relating to Controlled Waters Environment Agency - Anglian Region Environment Agency - Midlands Region Environment Agency - Thames Region	March 2013 March 2013 March 2013	As notified As notified As notified
Registered Radioactive Substances Environment Agency - Anglian Region Environment Agency - Midlands Region Environment Agency - Thames Region	January 2015 January 2015 January 2015	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually

Agency & Hydrological	Version	Update Cycle
Substantiated Pollution Incident Register		
Environment Agency - Anglian Region - Northern Area	April 2018	Quarterly
Environment Agency - Midlands Region - Central Area	April 2018	Quarterly
Environment Agency - Midlands Region - Lower Severn Area	April 2018	Quarterly
Environment Agency - South East Region - West Thames Area	April 2018	Quarterly
Environment Agency - Thames Region - West Area	April 2018	Quarterly
Water Abstractions		
Environment Agency - Thames Region	April 2018	Quarterly
Water Industry Act Referrals		
Environment Agency - Anglian Region	October 2017	Quarterly
Environment Agency - Midlands Region	October 2017	Quarterly
Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	January 2018	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	May 2018	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	May 2018	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	May 2018	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	May 2018	Quarterly
Flood Defences		
Environment Agency - Head Office	May 2018	Quarterly
OS Water Network Lines		
Ordnance Survey	May 2018	Quarterly
BGS Groundwater Flooding Susceptibility		
British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	April 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Anglian Region Environment Agency - Midlands Region Environment Agency - Thames Region	October 2008 October 2008 October 2008	Not Applicable Not Applicable Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	April 2018 April 2018 April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - West Area	April 2018 April 2018 April 2018 April 2018 April 2018	Quarterly Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Cherwell District Council - Environmental Health Department Northamptonshire County Council Oxfordshire County Council South Northamptonshire Council - Environmental Health Department Stratford-on-Avon District Council Warwickshire County Council	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Cherwell District Council - Environmental Health Department Northamptonshire County Council Oxfordshire County Council South Northamptonshire Council - Environmental Health Department Stratford-on-Avon District Council Warwickshire County Council	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - Thames Region - West Area	March 2003 March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - Thames Region - West Area	March 2003 March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Anglian Region - Northern Area Environment Agency - Midlands Region - Central Area Environment Agency - Midlands Region - Lower Severn Area Environment Agency - Thames Region - West Area	March 2003 March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Cherwell District Council Oxfordshire County Council South Northamptonshire Council Stratford-on-Avon District Council Warwickshire County Council Northamptonshire County Council	February 2016 February 2016 February 2016 February 2016 July 2007 November 2011	Variable Variable Variable Variable Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Cherwell District Council Oxfordshire County Council South Northamptonshire Council Stratford-on-Avon District Council Warwickshire County Council Northamptonshire County Council	February 2016 February 2016 February 2016 February 2016 July 2007 May 2013	Variable Variable Variable Variable Annual Rolling Update Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	May 2018	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	May 2018	Quarterly
Fuel Station Entries Catalist Ltd - Experian	April 2018	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	October 2017	Bi-Annually
Areas of Adopted Green Belt Cherwell District Council Stratford-on-Avon District Council	February 2018 February 2018	As notified As notified
Areas of Unadopted Green Belt Cherwell District Council Stratford-on-Avon District Council	February 2018 February 2018	As notified As notified
Areas of Outstanding Natural Beauty Natural England	February 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	February 2018	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	February 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	February 2018	Bi-Annually
Sites of Special Scientific Interest Natural England	February 2018	Bi-Annually
Special Areas of Conservation Natural England	January 2018	Bi-Annually
Special Protection Areas Natural England	February 2018	Bi-Annually

A selection of organisations who provide data within this report


Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
4	Cherwell District Council - Environmental Health Department Bodicote House, Bodicote, Banbury, Oxfordshire, OX15 4AA	Telephone: 01295 252535 extn 4511 Fax: 01295 270028 Website: www.cherwell-dc.gov.uk
5	Oxfordshire County Council County Hall, New Road, Oxford, Oxfordshire, OX1 1ND	Telephone: 01865 792422 Fax: 01865 810106 Email: environmental.services@oxfordshire.gov.uk Website: www.oxfordshire.gov.uk
6	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
7	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk


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

Geology 1:50,000 Maps Legends






Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WHM	Whitby Mudstone Formation	Mudstone	Not Supplied - Toarcian
	MRB	Marlstone Rock Formation	Ferruginous Limestone and Ironstone	Not Supplied - Pliensbachian
	DYS	Dyrham Formation	Siltstone and Mudstone, Interbedded	Not Supplied - Pliensbachian
	CHAM	Charmouth Mudstone Formation	Mudstone	Not Supplied - Sinemurian
		Faults		



Geology 1:50,000 Maps

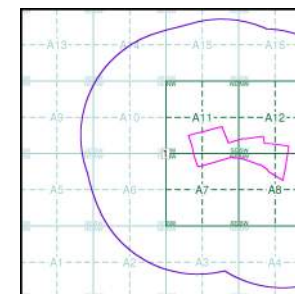
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The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not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

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	201
Map Name:	Banbury
Map Date:	1982
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

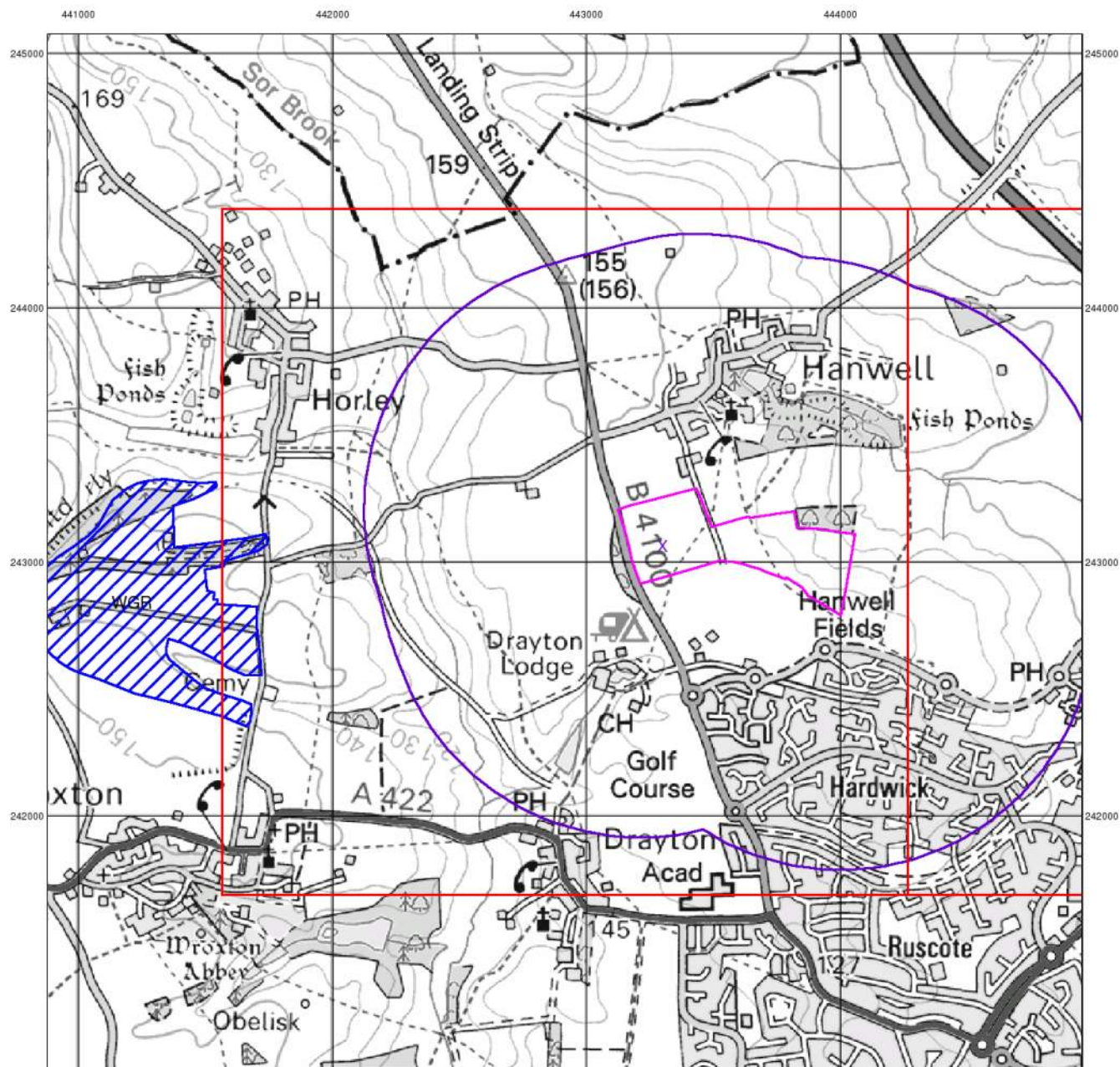


Order Details:

Order Number:	175097433_1_1
Customer Reference:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	1000

Site Details:

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Artificial Ground and Landslip

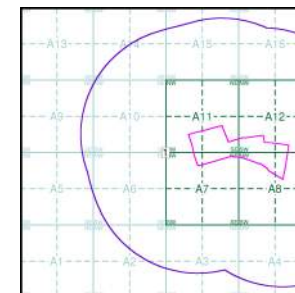
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



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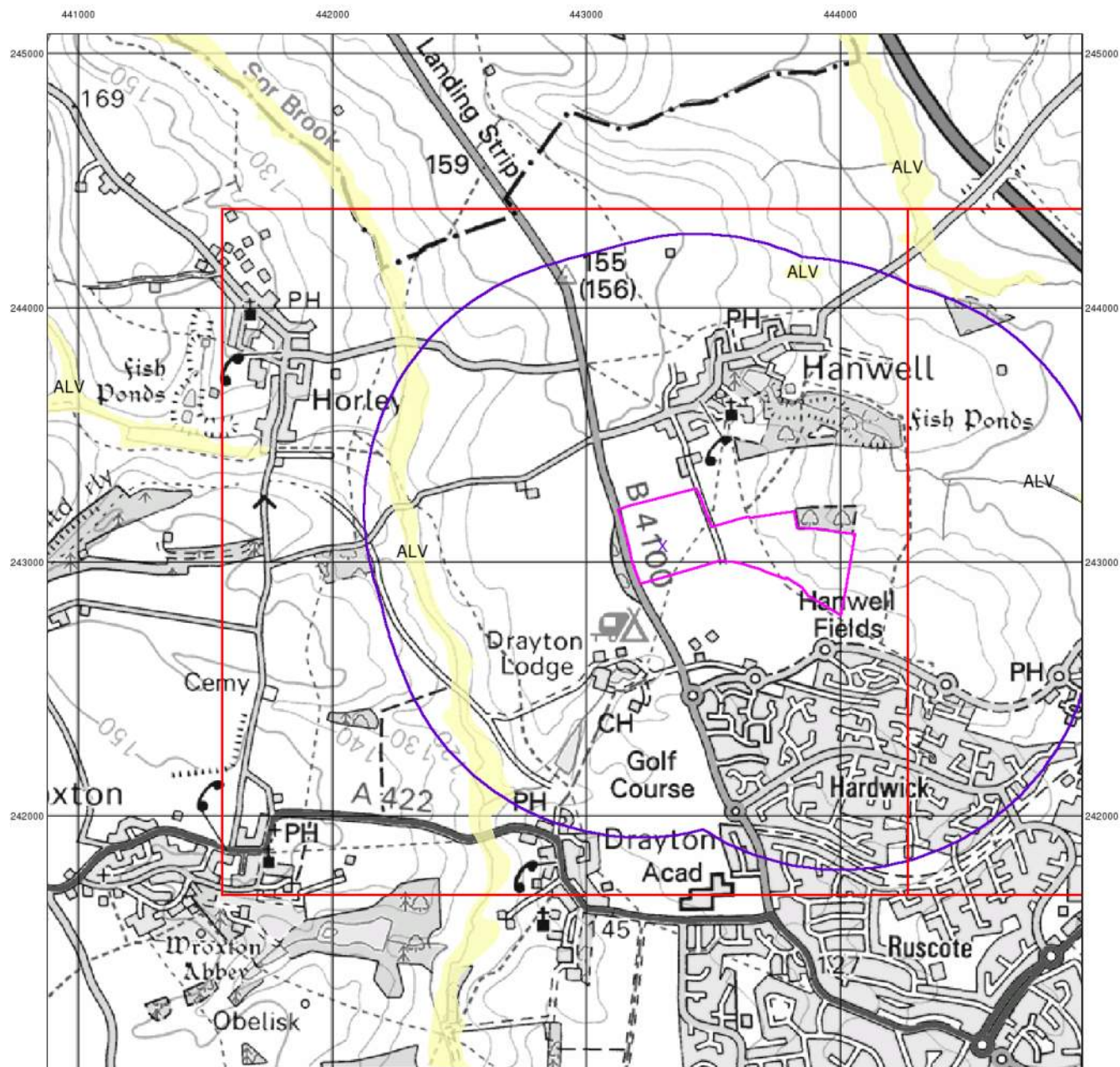
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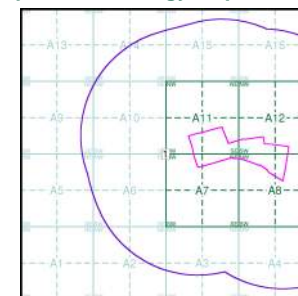
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



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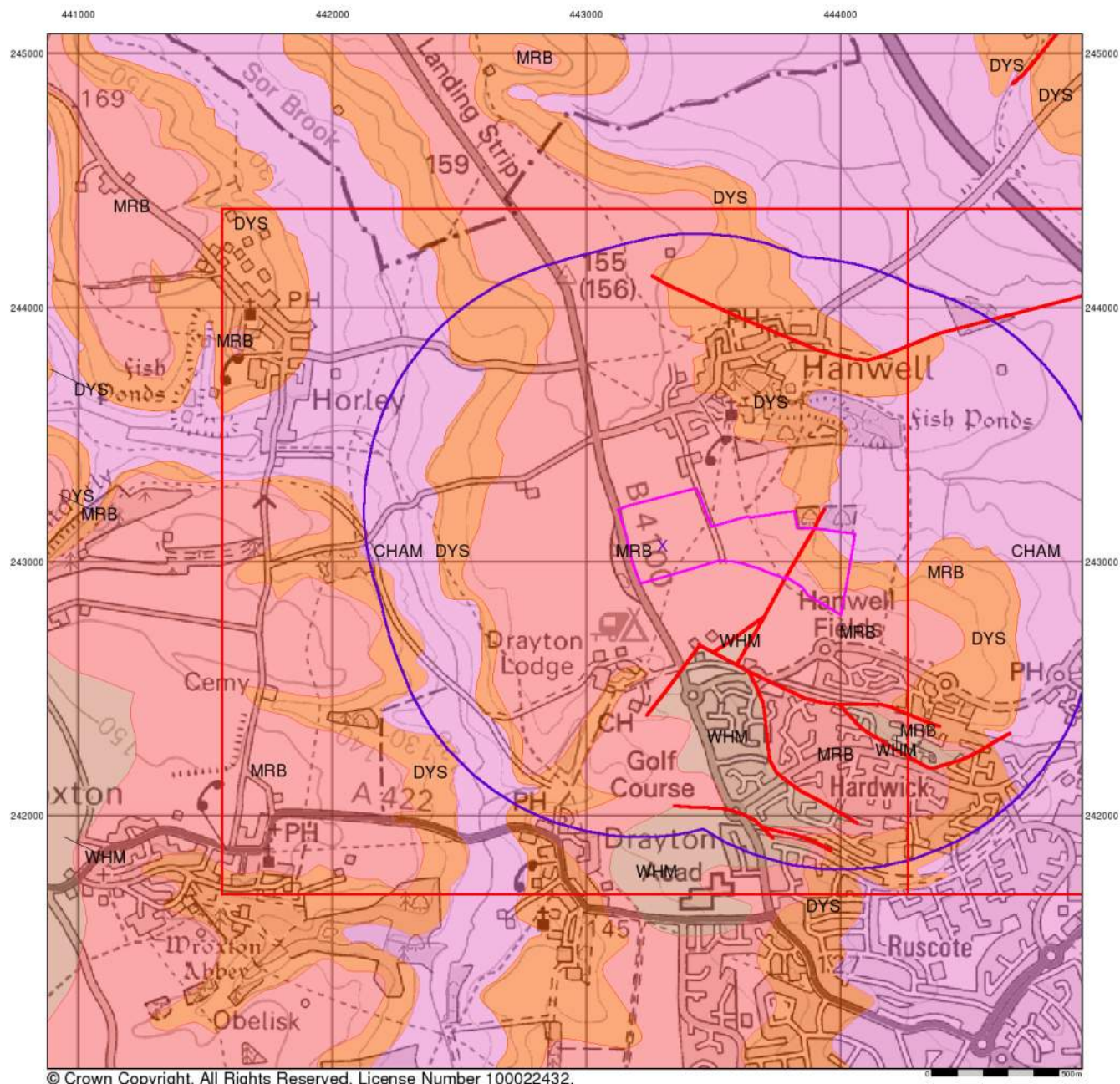
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Bedrock and Faults

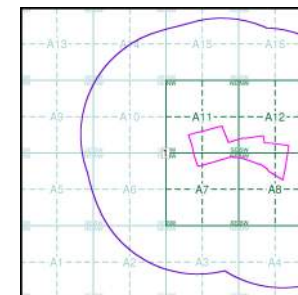
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



Order Details:

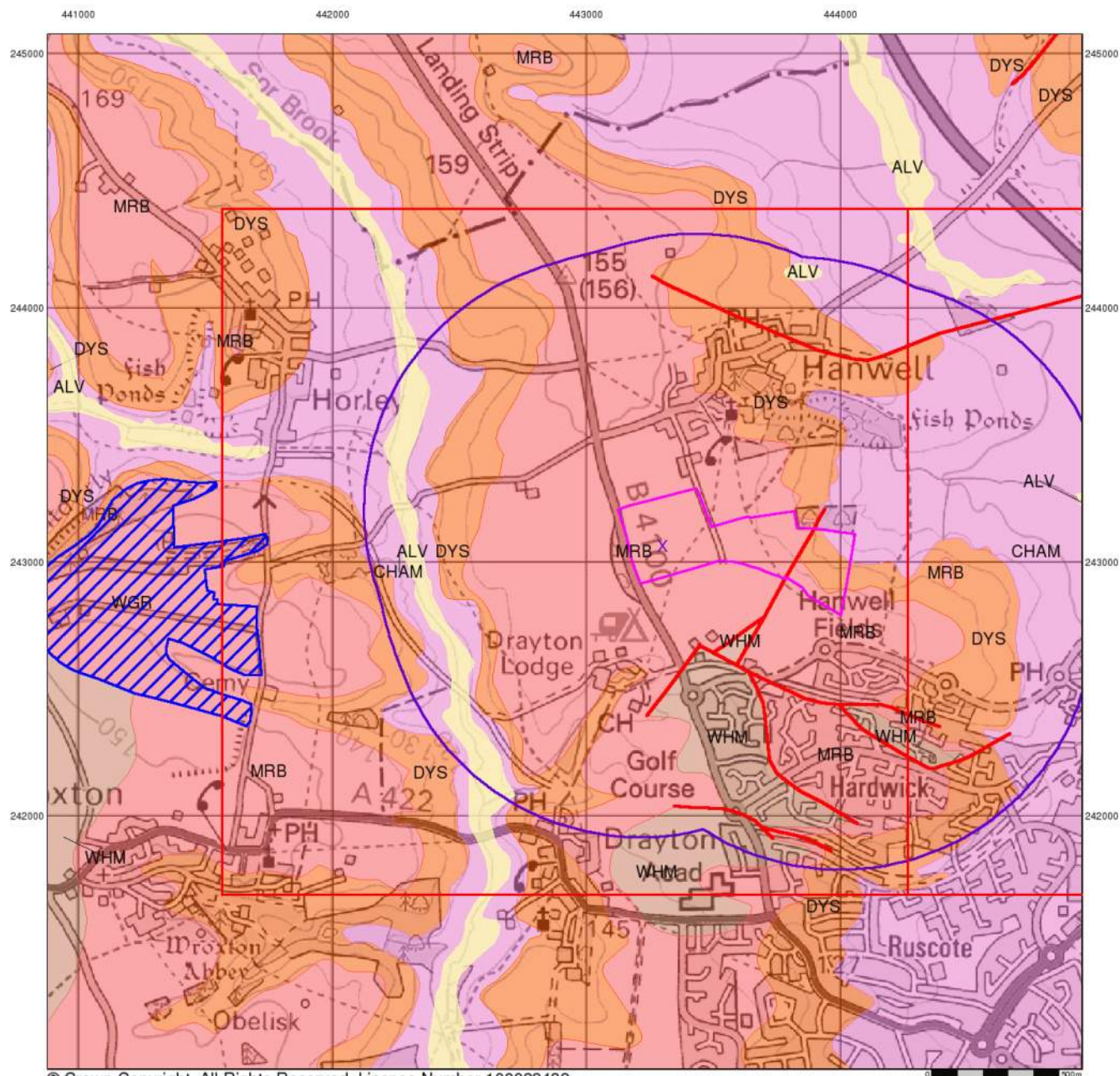
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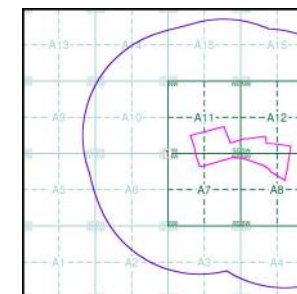
Additional Information

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

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number: 175097433_1_1
Customer Reference: 17279
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Slice: A
Site Area (Ha): 22.38
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
Tel: 0844 844 9952
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v15.0 31-Jul-2018






Page 5 of 5

Geology 1:50,000 Maps Legends

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
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Bedrock and Faults

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Geology 1:50,000 Maps

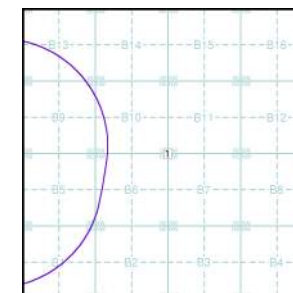
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Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	201
Map Name:	Banbury
Map Date:	1982
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice B



Order Details:

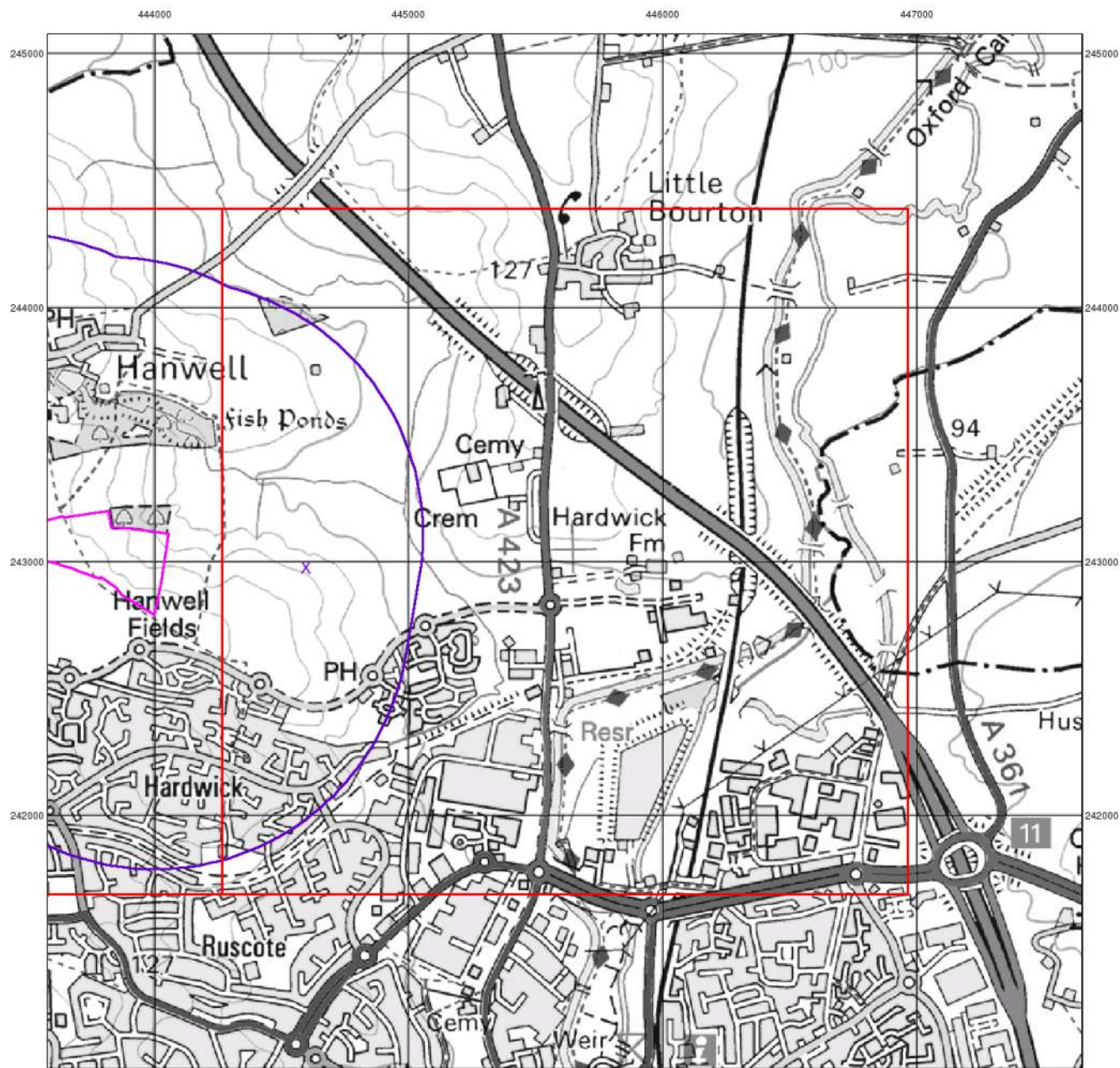
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Customer Reference:	17279
National Grid Reference:	444600, 242980
Slice:	B
Site Area (Ha):	22.38
Search Buffer (m):	1000

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Artificial Ground and Landslip

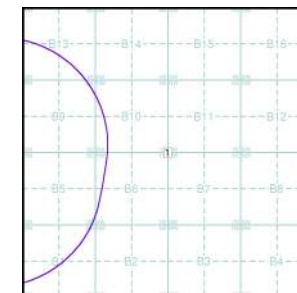
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Artificial Ground and Landslip Map - Slice B



Order Details:

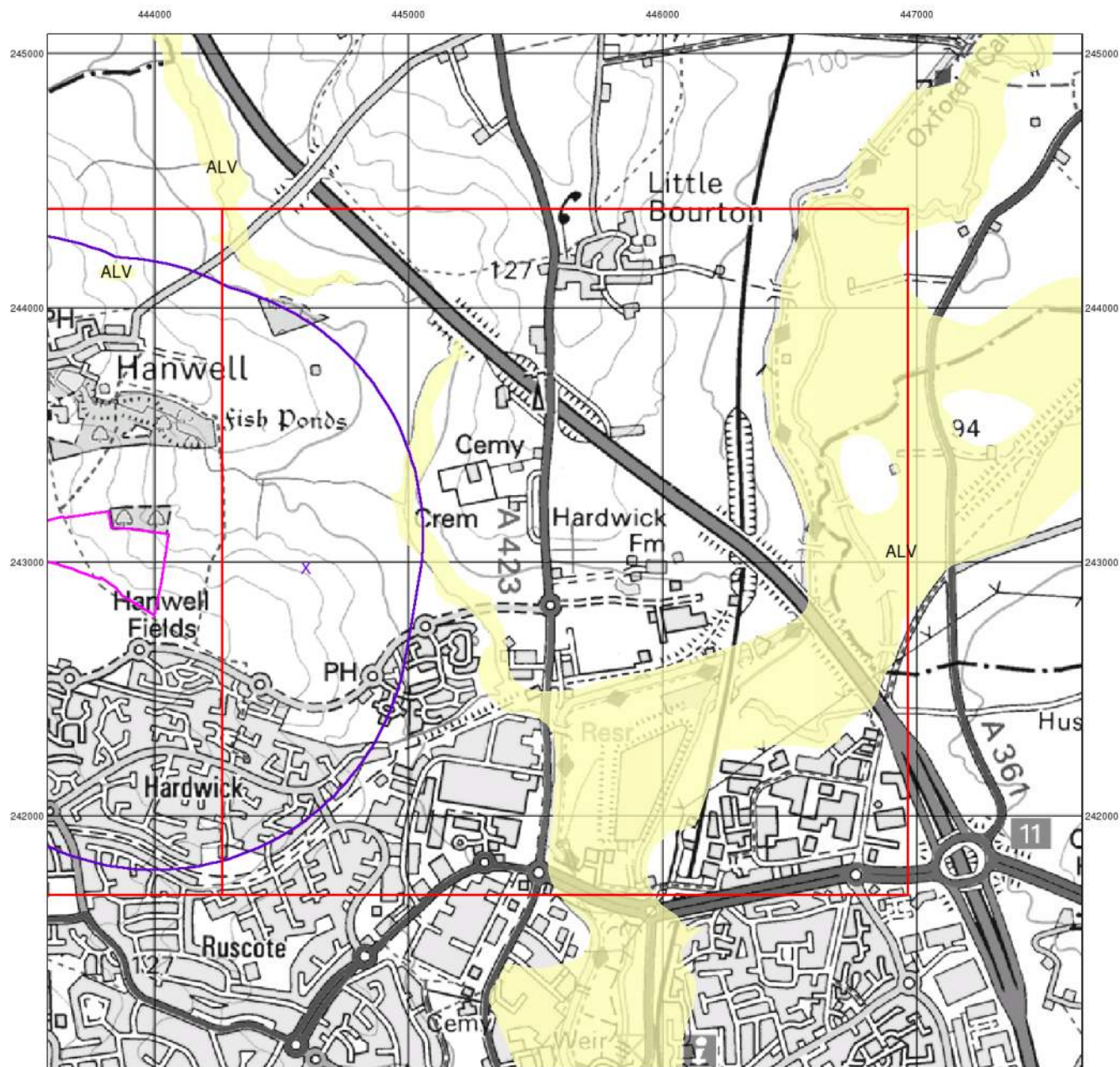
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 Site Area (Ha): 22.38
 Search Buffer (m): 1000

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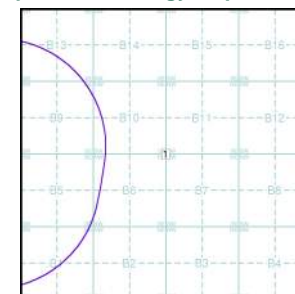
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Superficial Geology Map - Slice B



Order Details:

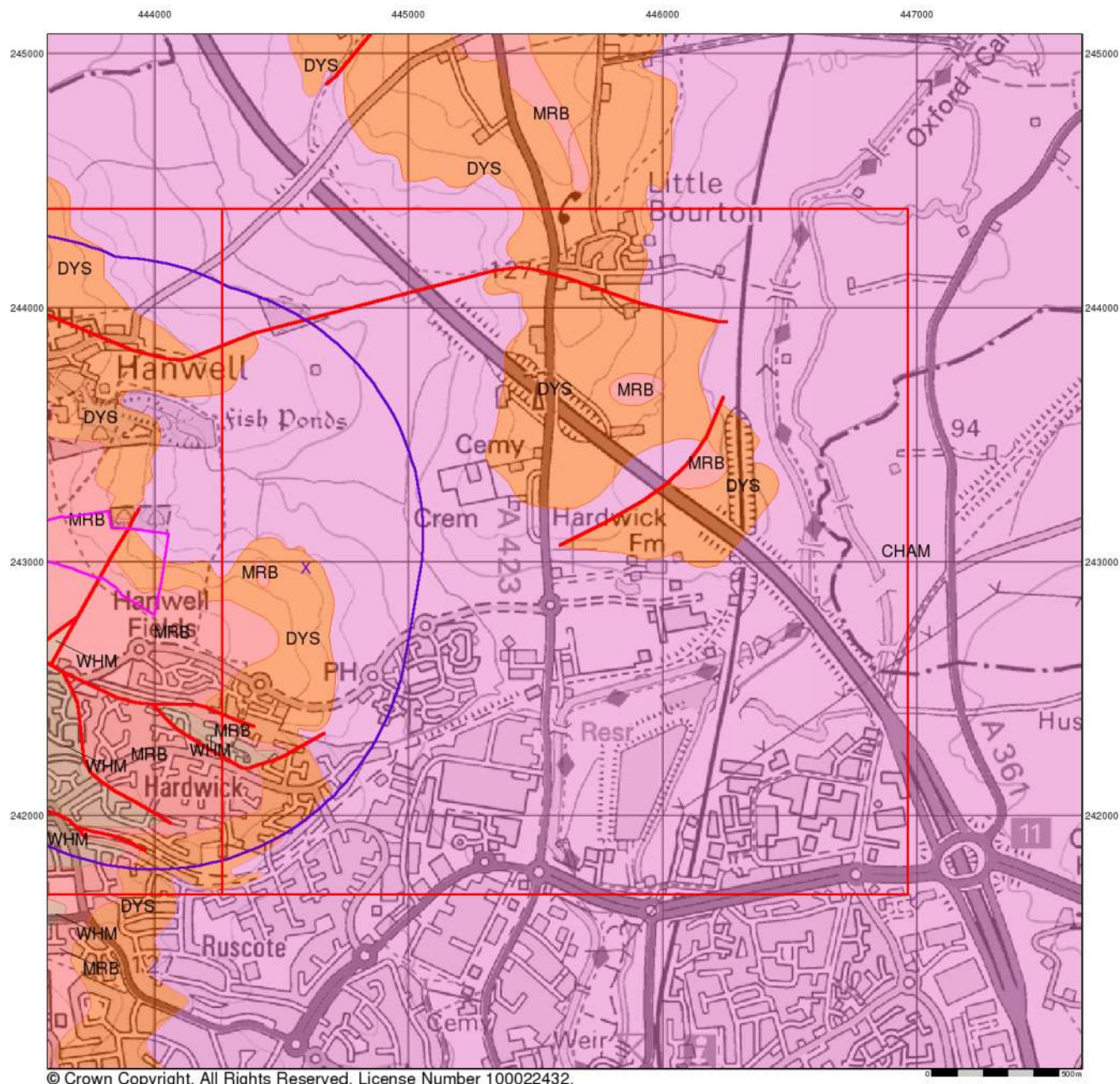
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Bedrock and Faults

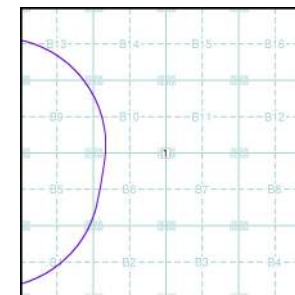
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Bedrock and Faults Map - Slice B



Order Details:

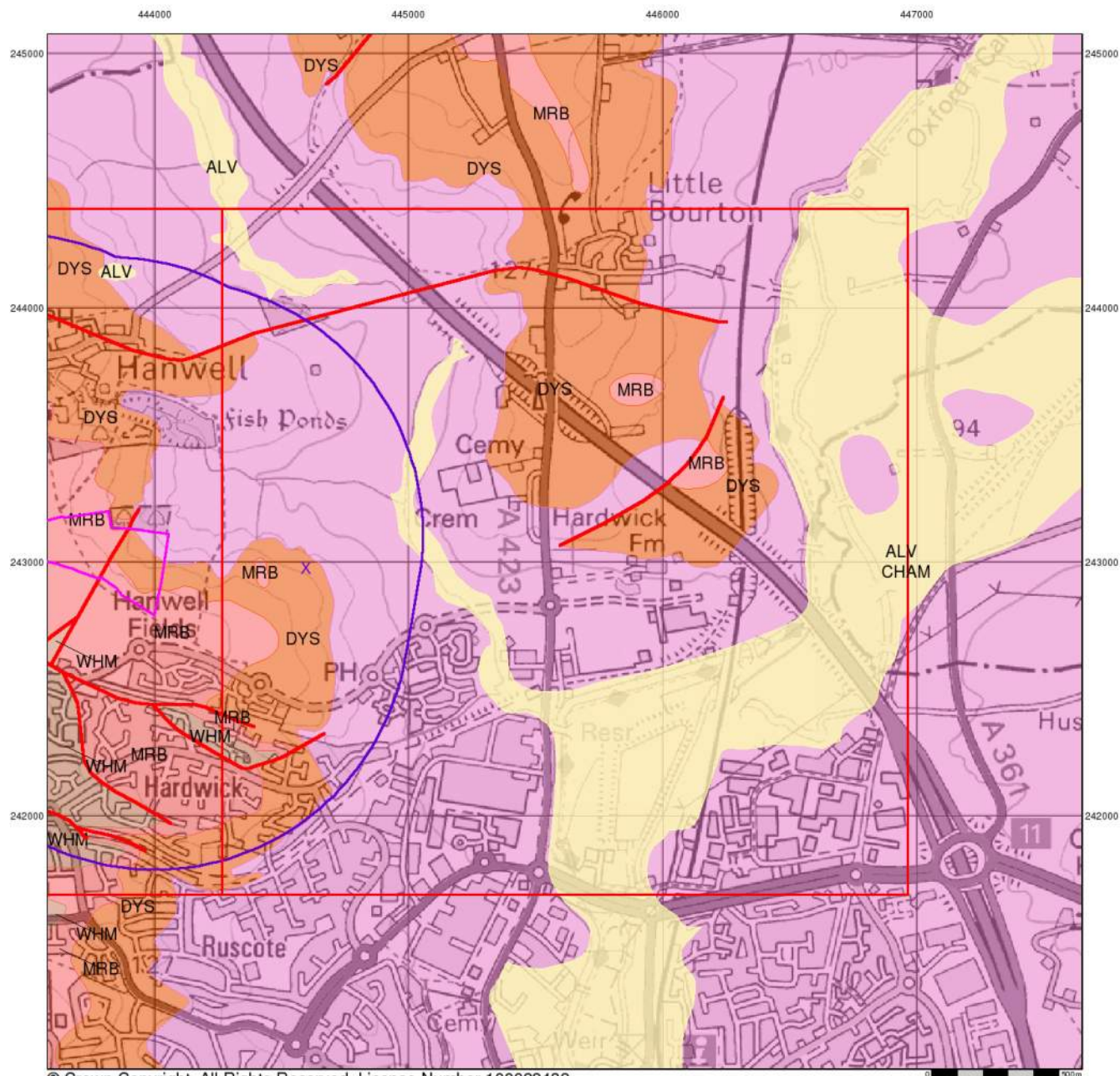
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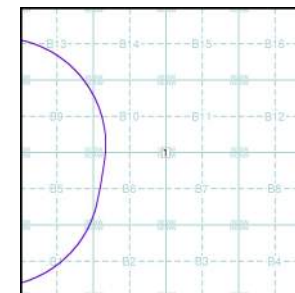
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NG12 5GG
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email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice B



Order Details:

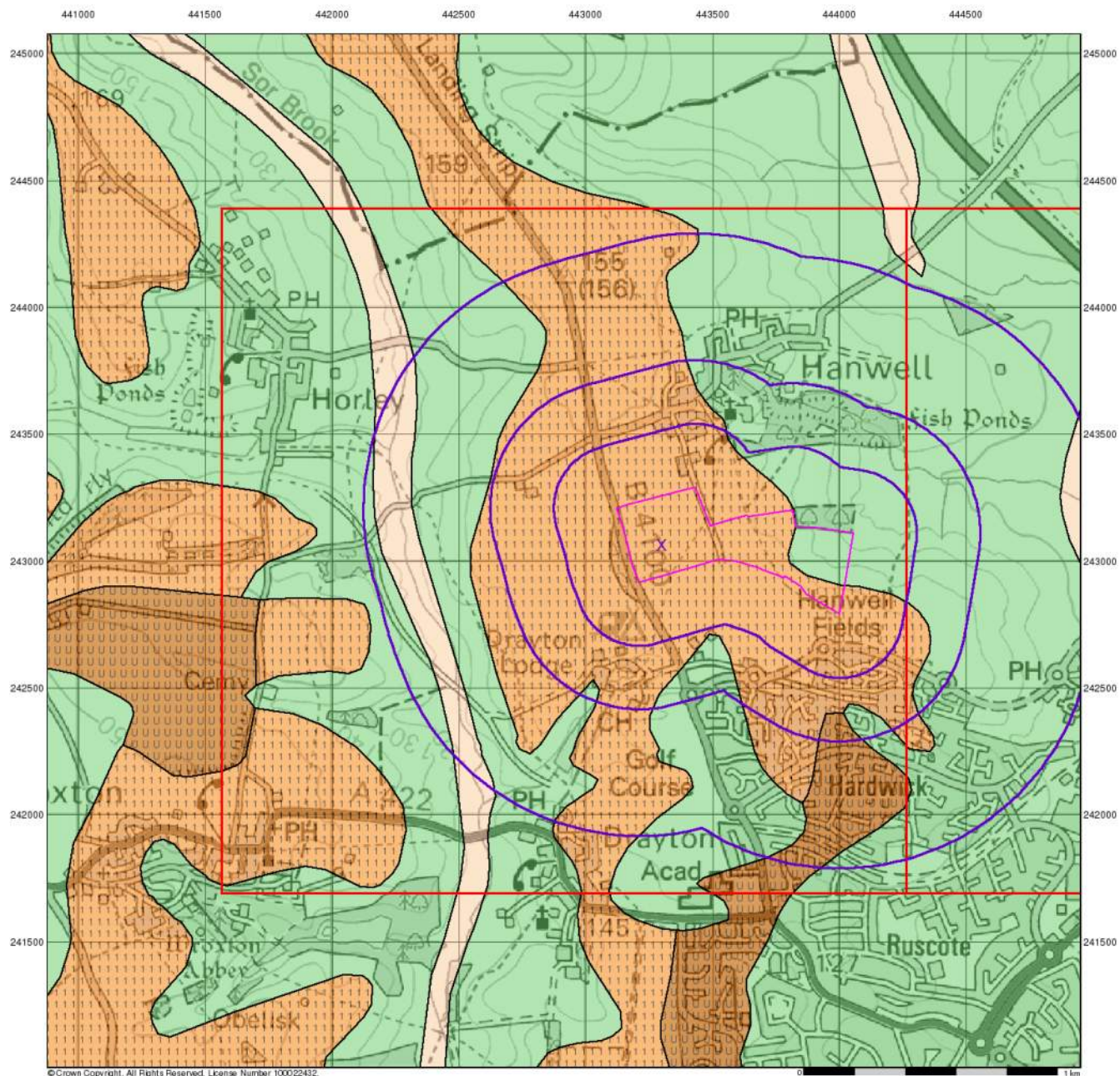
Order Number: 175097433_1_1
Customer Reference: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details:

Warwick Road, BANBURY



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0 1 km



Groundwater Vulnerability

General

- Specified Site
 Specified Buffer(s)
 Bearing Reference Point
- Slice
 Map ID

Agency and Hydrological

Geological Classes

**Major Aquifer
(Highly Permeable)**

**Minor Aquifer
(Variably Permeable)**

**Non Aquifer
(Negligibly Permeable)**

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

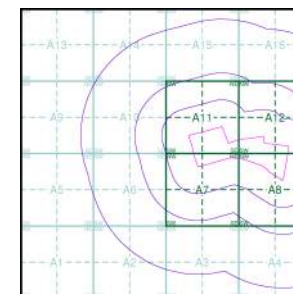
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice A



Order Details

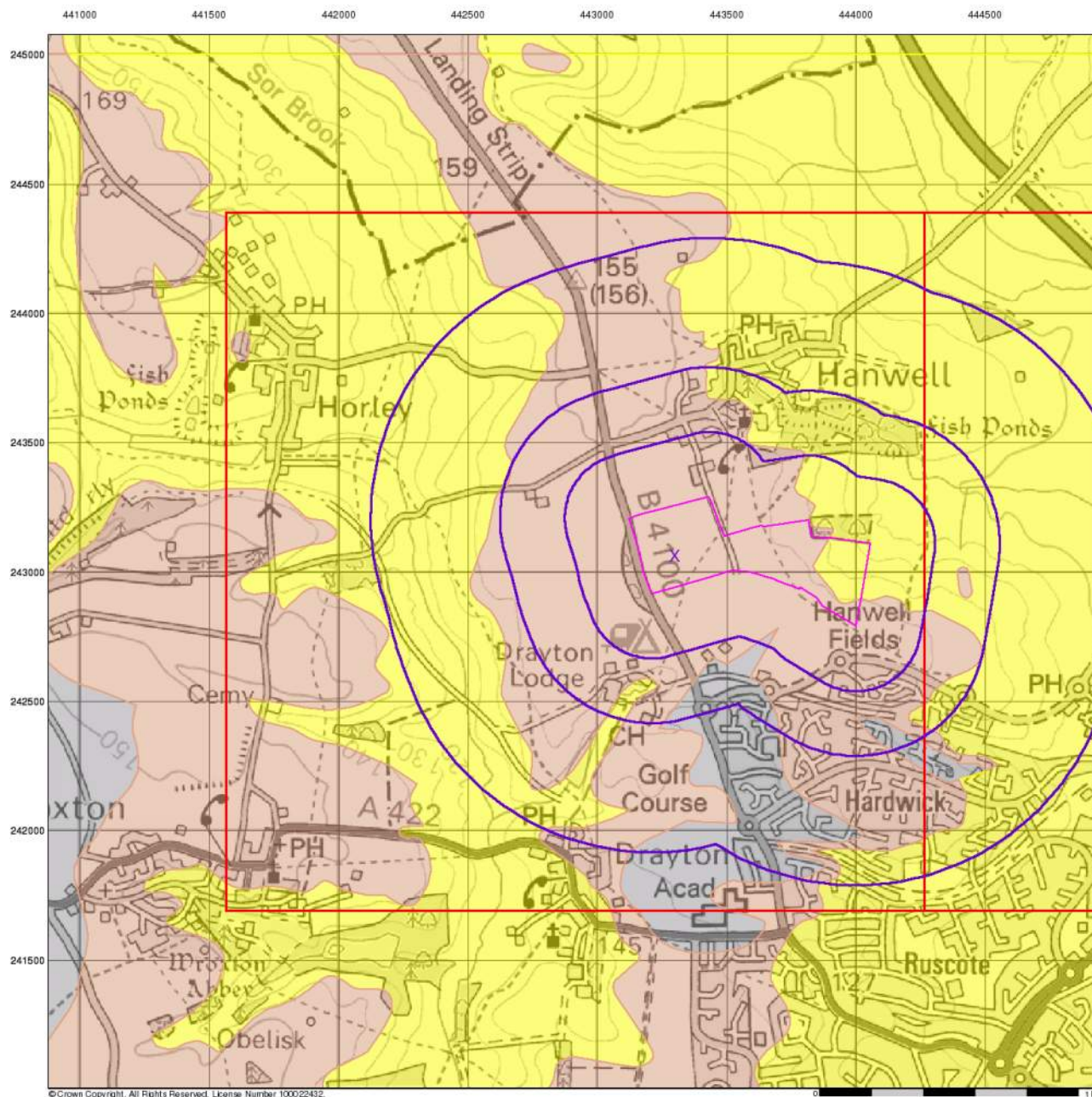
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 443300, 243060
 Slice: A
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

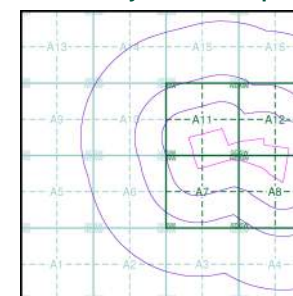
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

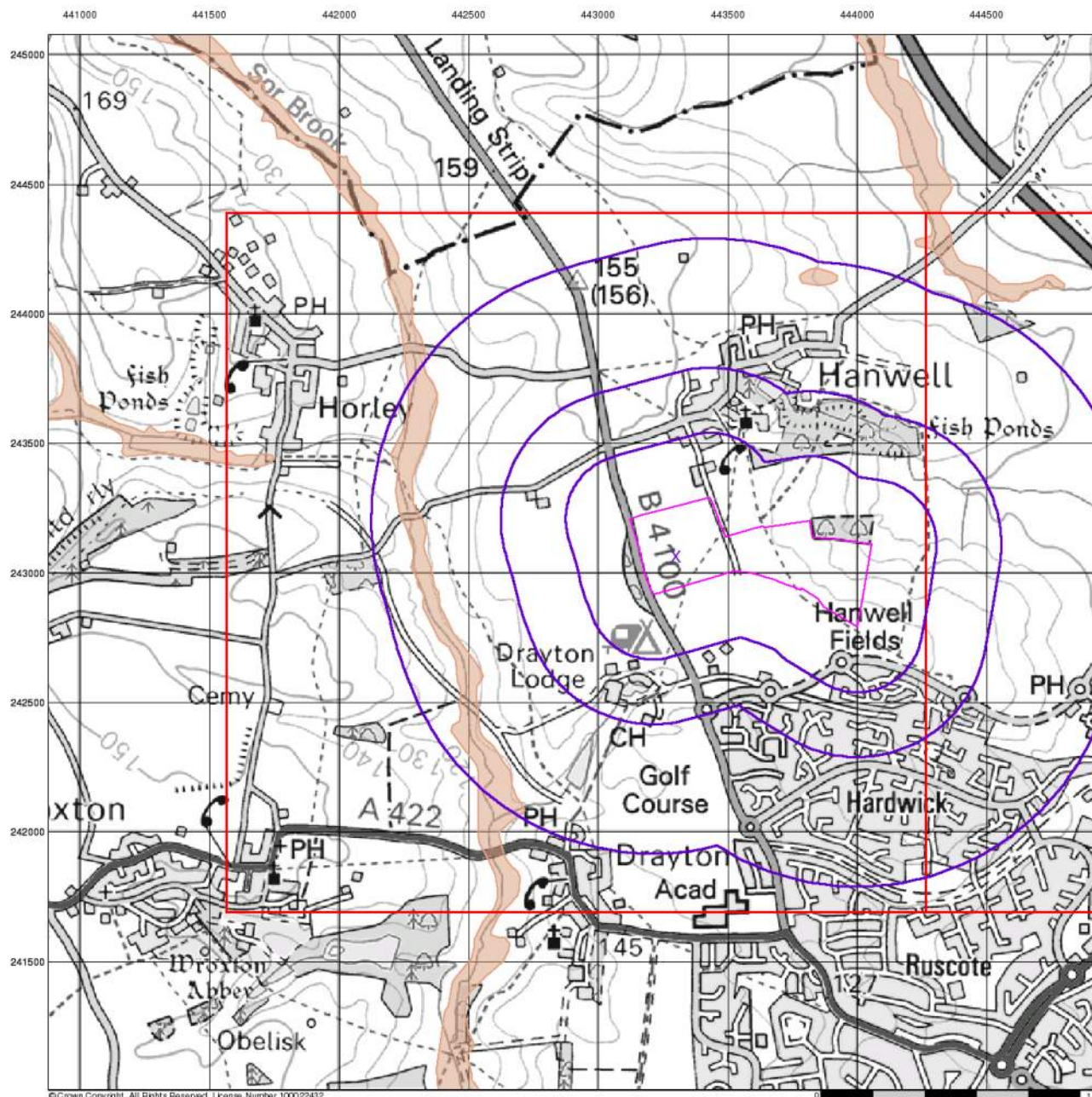
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 Customer Ref: 17279
 National Grid Reference: 443300, 243060
 Slice: A
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

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Superficial Aquifer Designation

General

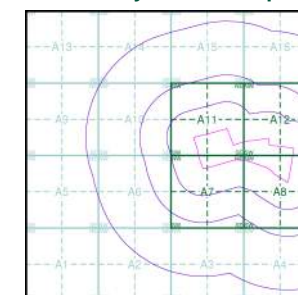
- Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

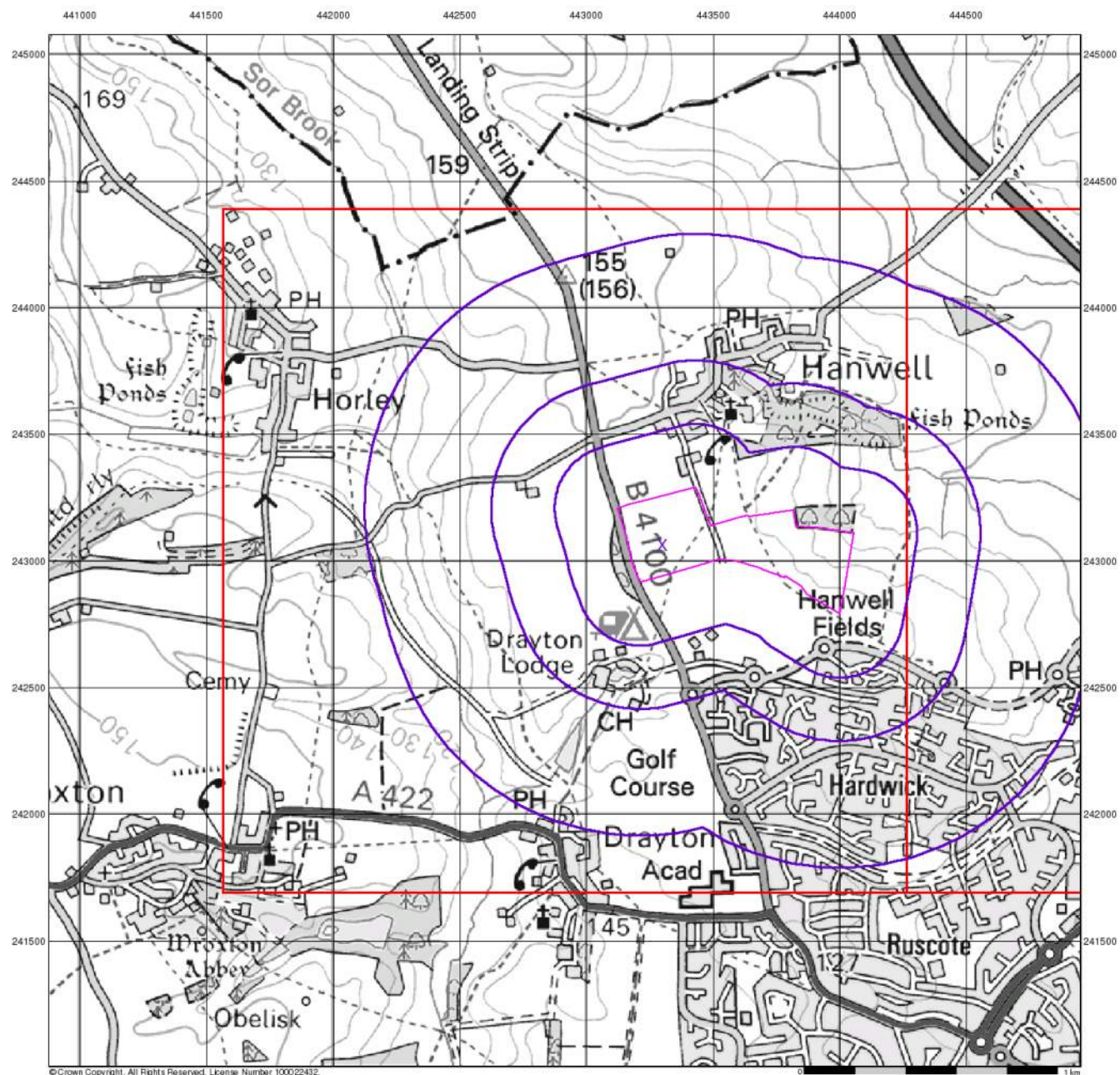
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 443300, 243060
 Slice: A
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

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








Source Protection Zones

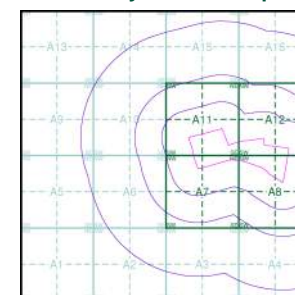
General

-  Specified Site
  Specified Buffer(s)
  Bearing Reference Point
 Slice
 Map ID

Agency and Hydrological

-  Inner zone (Zone 1)
-  Inner zone - subsurface activity only (Zone 1c)
-  Outer zone (Zone 2)
-  Outer zone - subsurface activity only (Zone 2c)
-  Total catchment (Zone 3)
-  Total catchment - subsurface activity only (Zone 3c)
-  Special interest (Zone 4)

Site Sensitivity Context Map - Slice A



Order Details

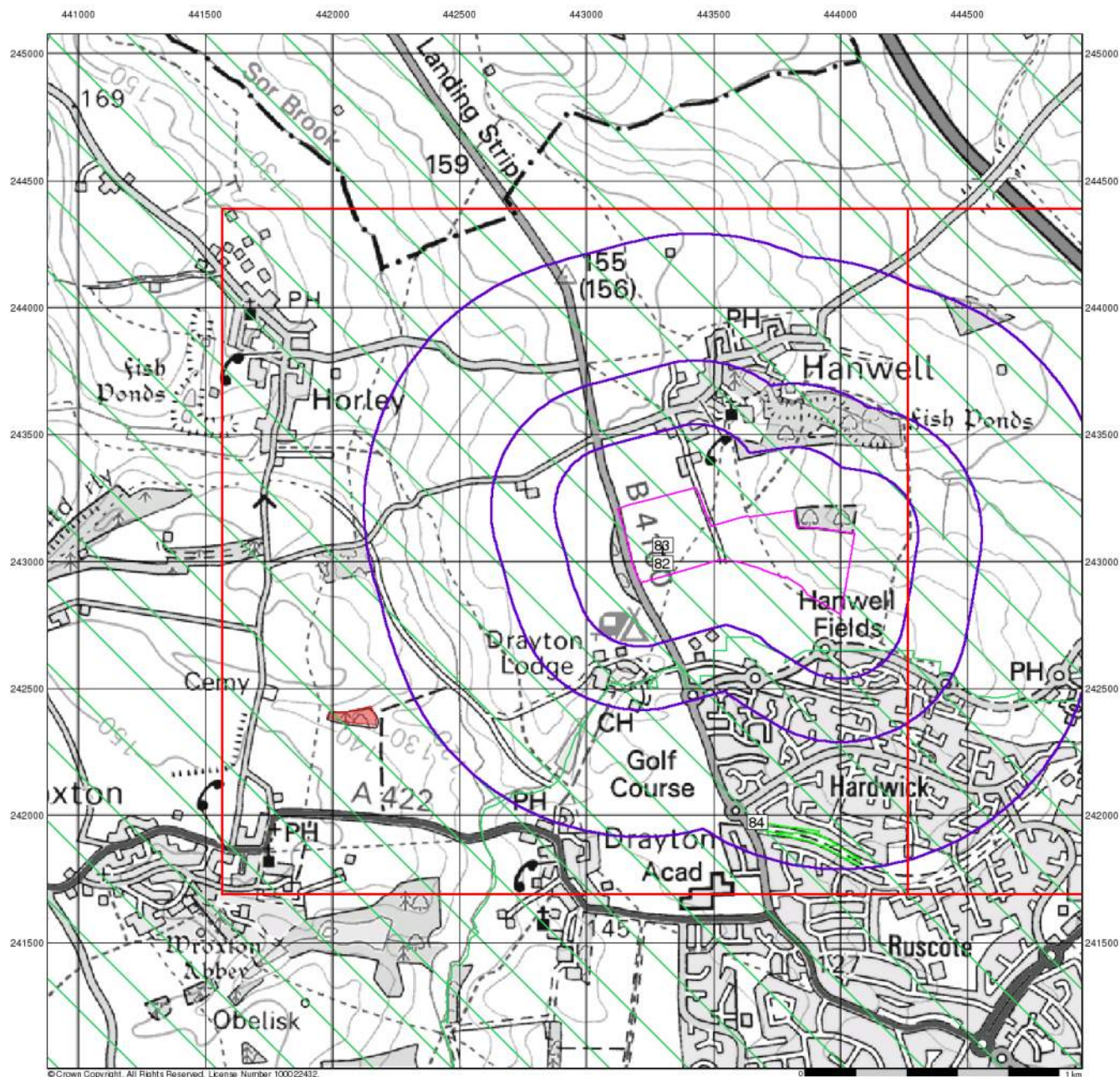
Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	1000

Site Details

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Sensitive Land Uses

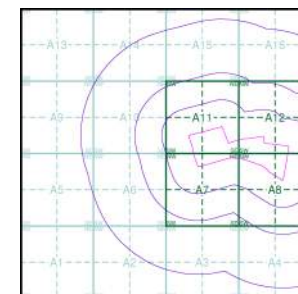
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- 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
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

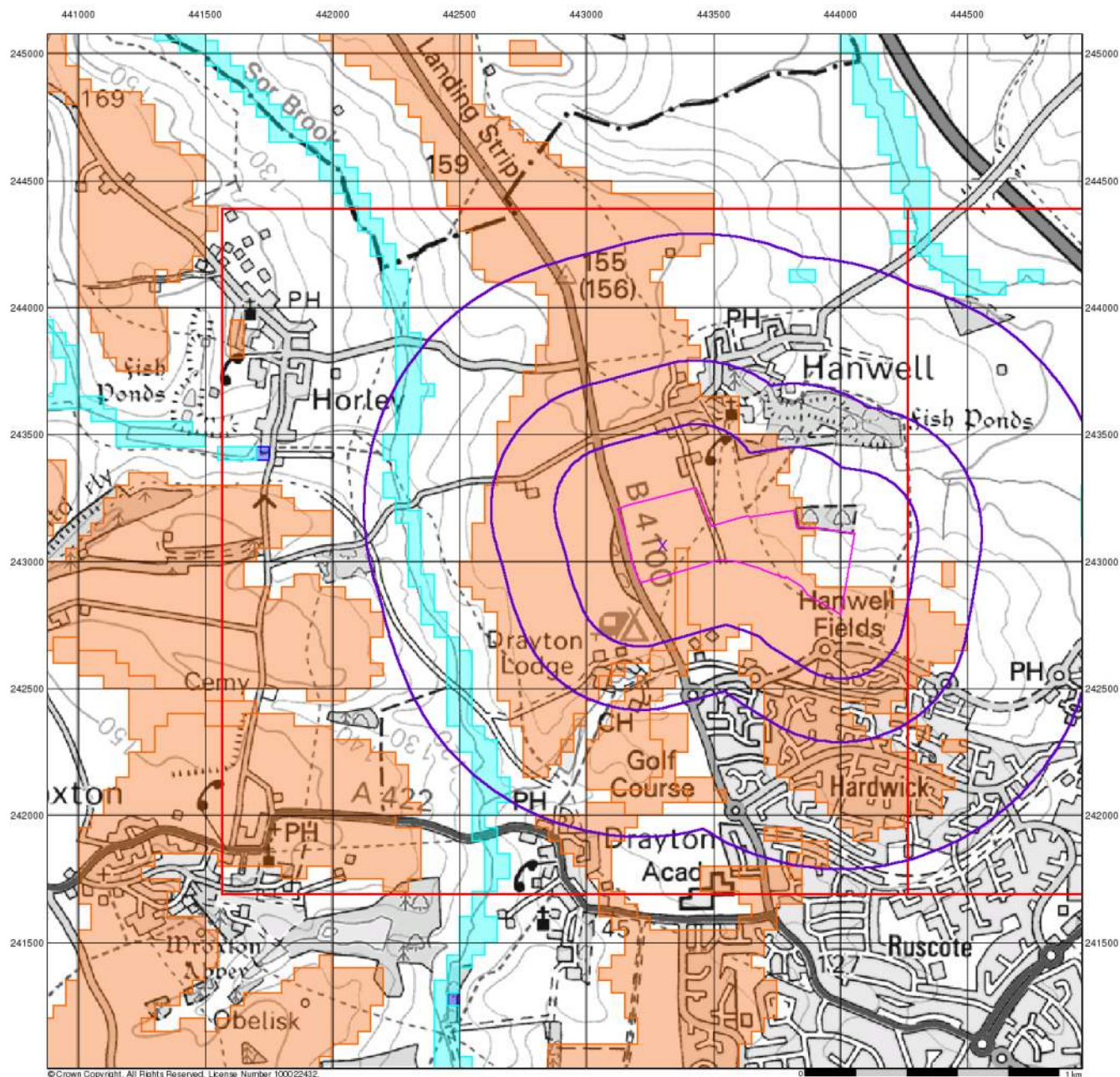
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 443300, 243060
 Slice: A
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

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BGS Flood GFS Data

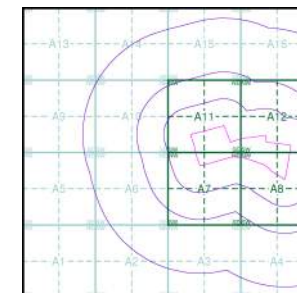
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

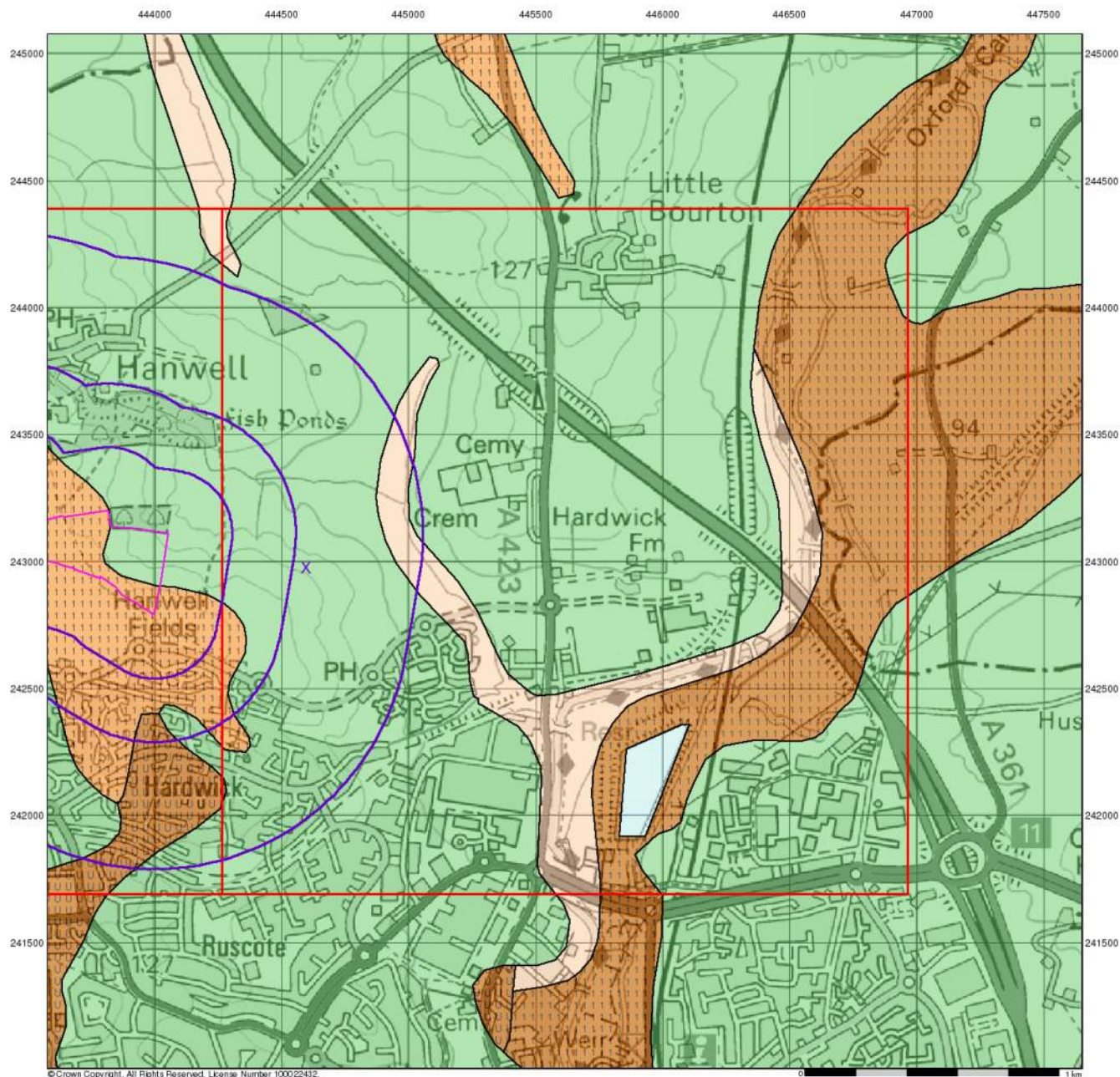
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 443300, 243060
 Slice: A
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

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Groundwater Vulnerability

General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

Major Aquifer (Highly Permeable)

Minor Aquifer (Variably Permeable)

Non Aquifer (Negligibly Permeable)

Water or Sea

Drift Deposit

Soil Classes

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

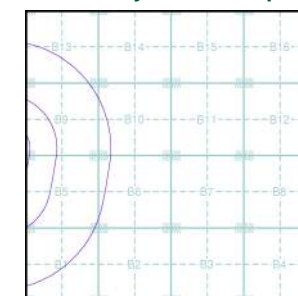
Low

High (H) 1, 2, 3, U

Intermediate (I) 1, 2

Low

Site Sensitivity Context Map - Slice B



Order Details

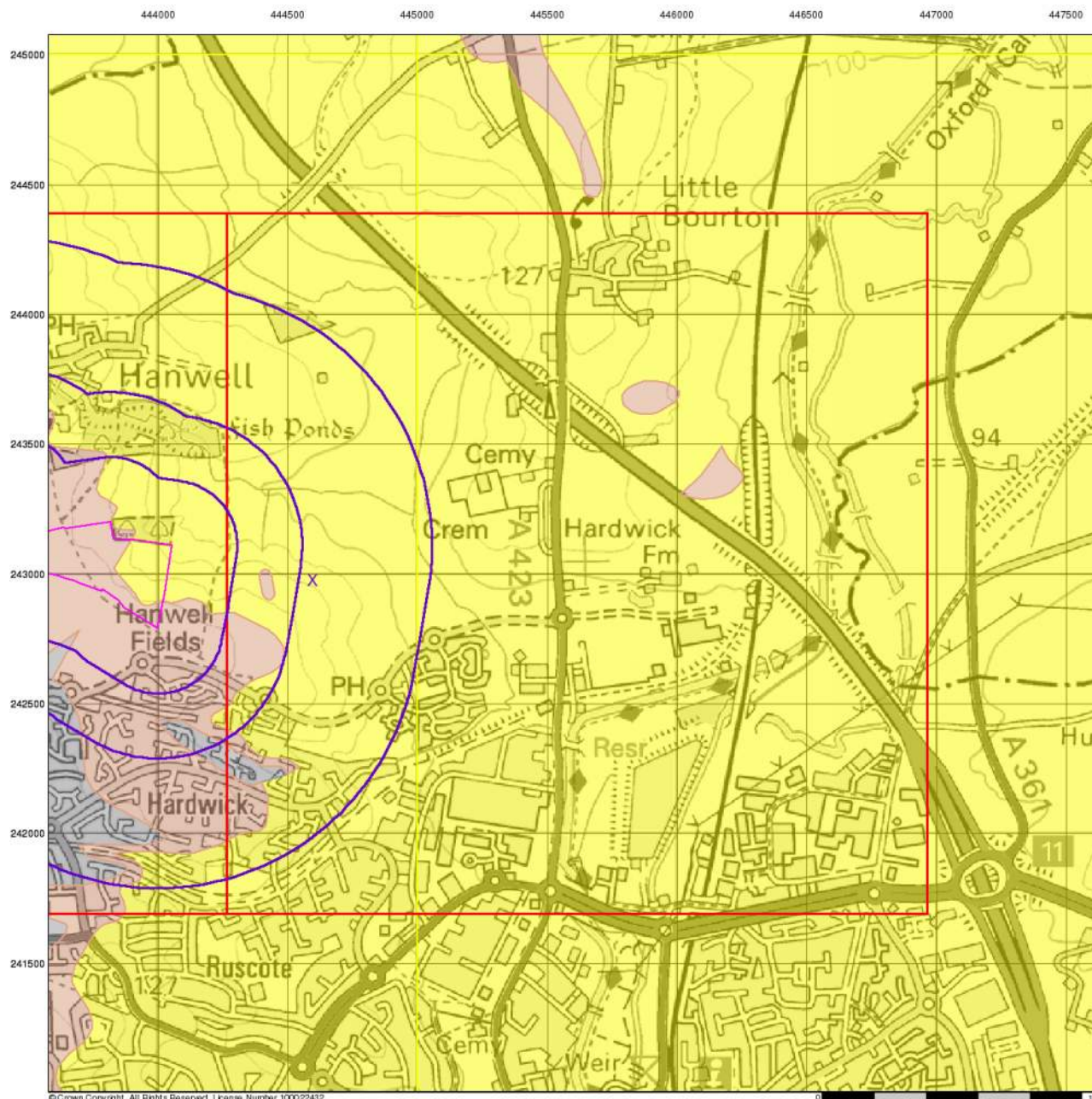
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 444600, 242980
 Slice: B
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

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0 1 km



Bedrock Aquifer Designation

General

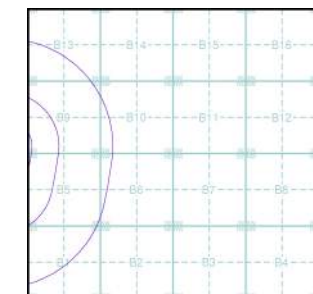
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice B



Order Details

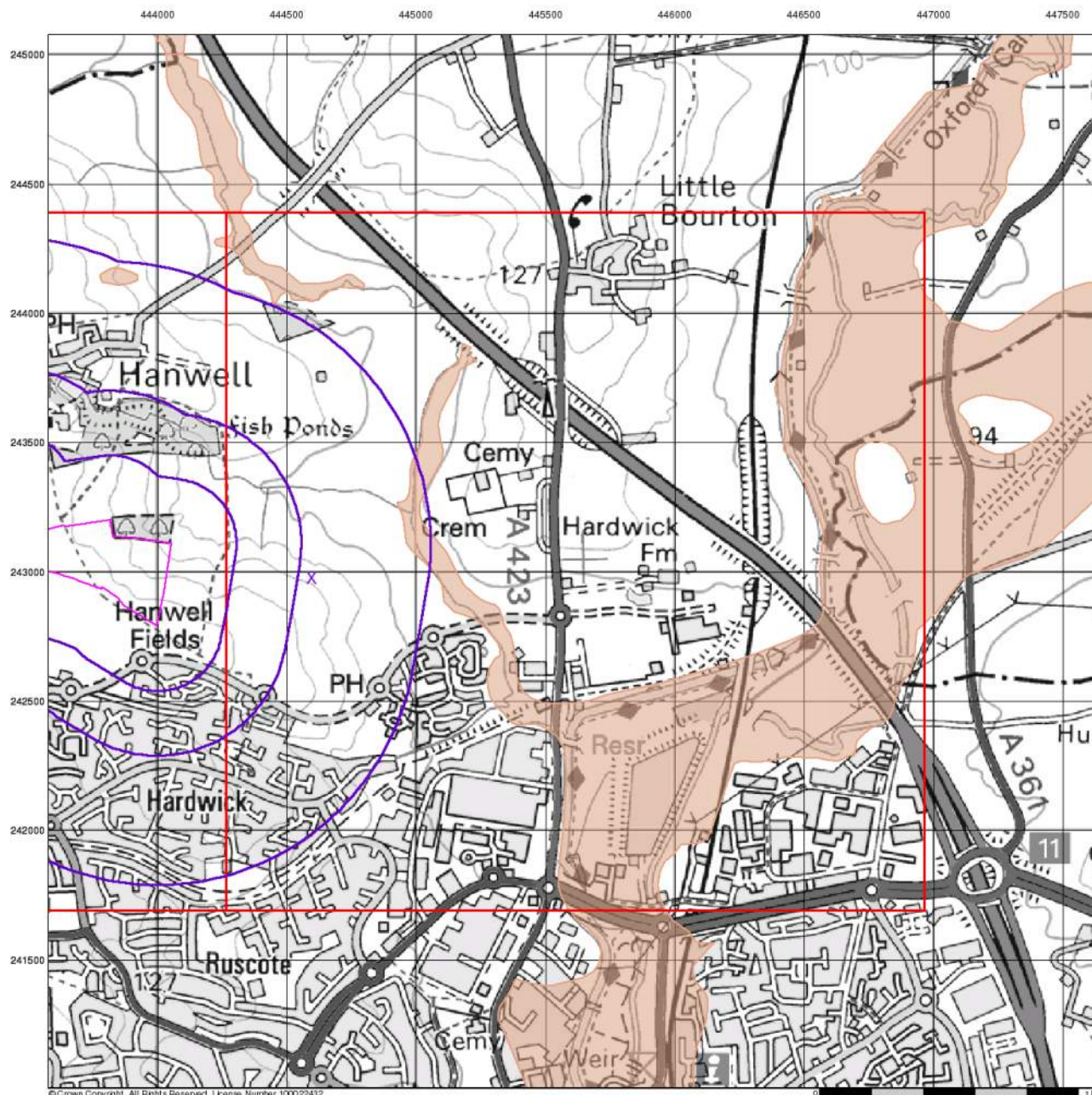
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 444600, 242980
 Slice: B
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

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Superficial Aquifer Designation

General

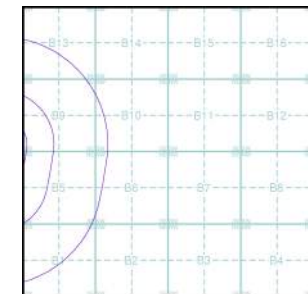
- ◇ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice B



Order Details

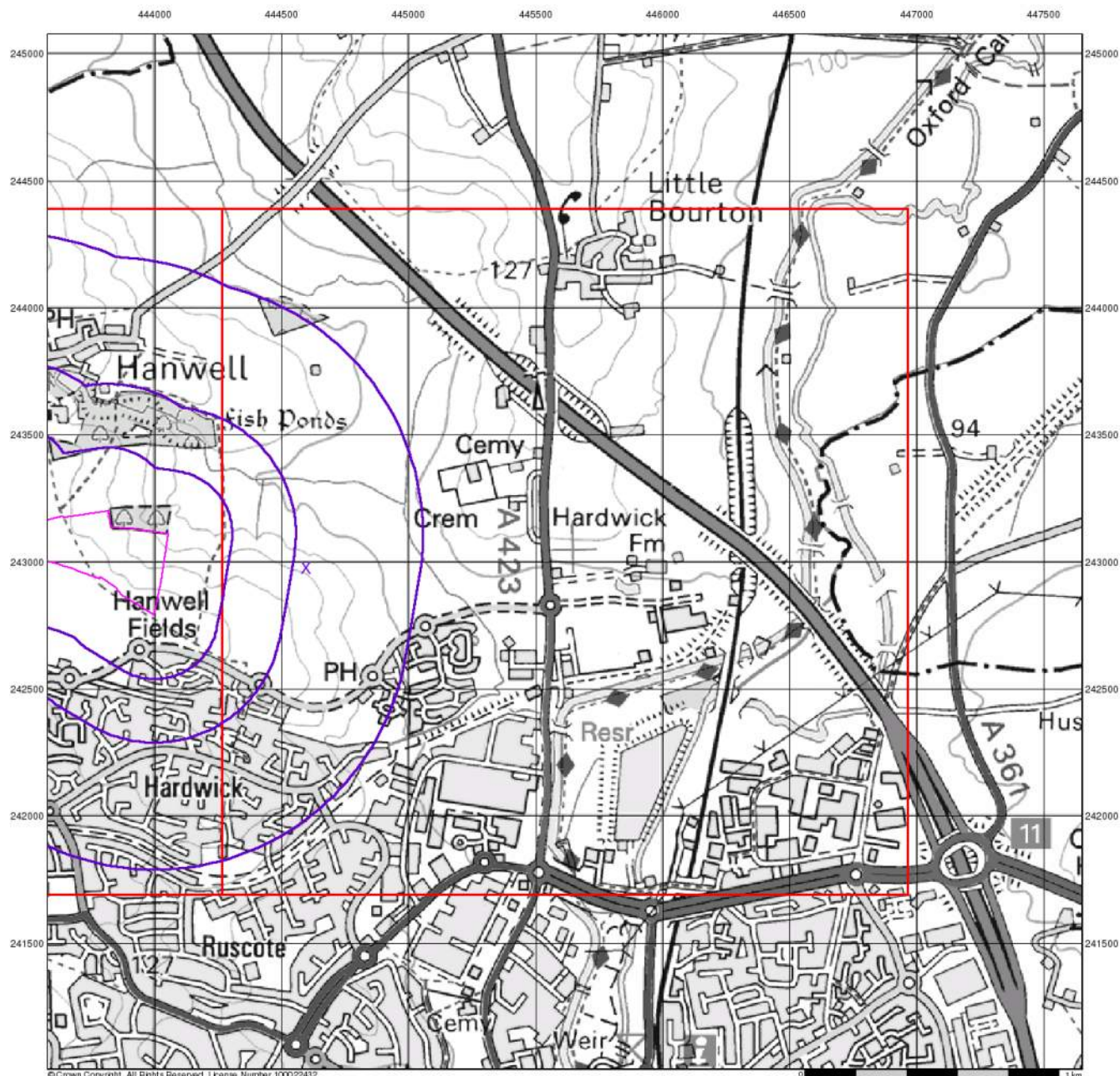
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 444600, 242980
 Slice: B
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

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Source Protection Zones

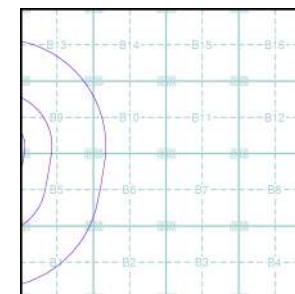
General

- ◊ Specified Site
- Specified Buffer(s)
- X Bearing Reference Point
- Slice
- B Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- ▨ Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- ▨ Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- ▨ Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)

Site Sensitivity Context Map - Slice B



Order Details

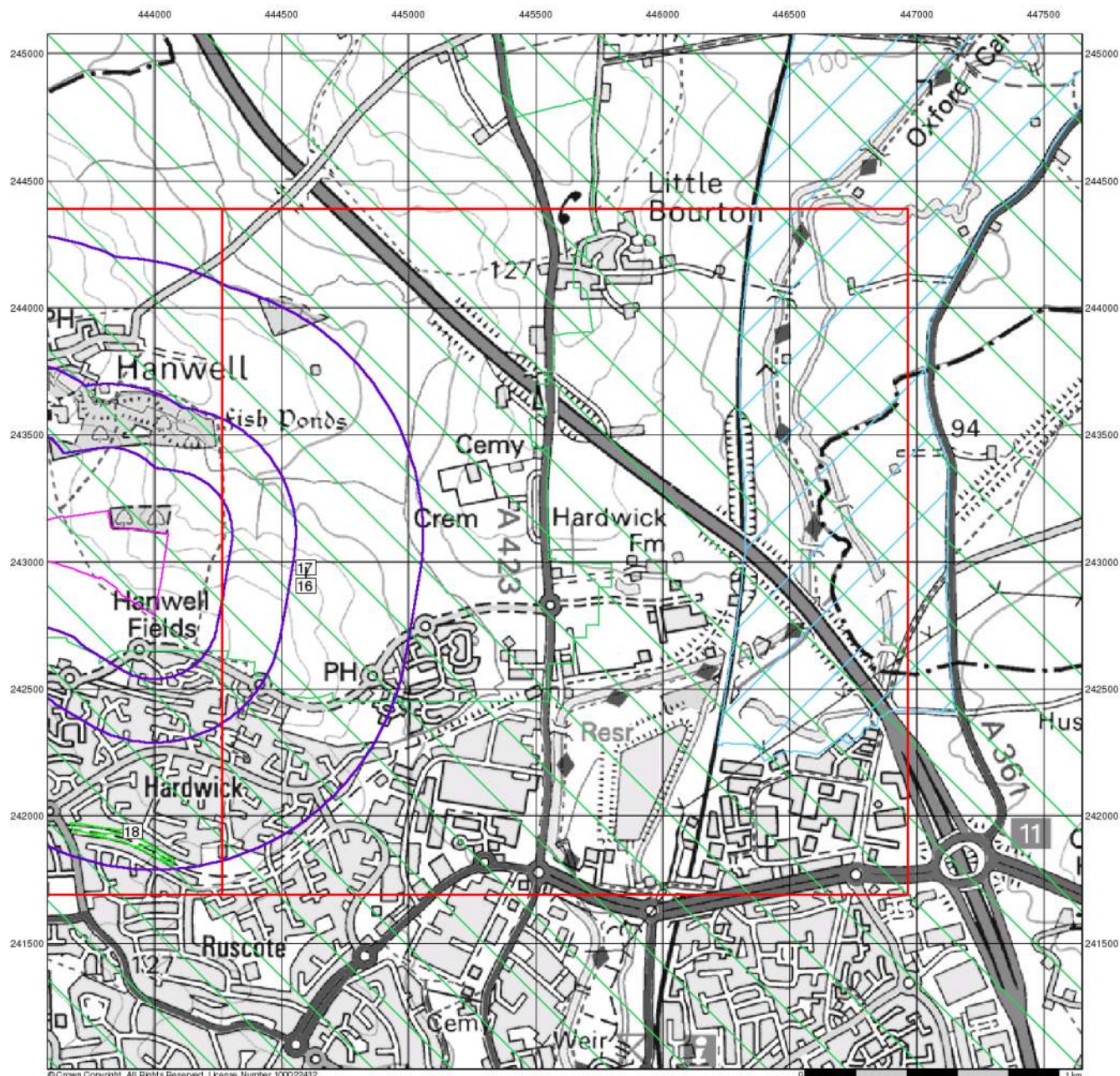
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 444600, 242980
 Slice: B
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

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Sensitive Land Uses

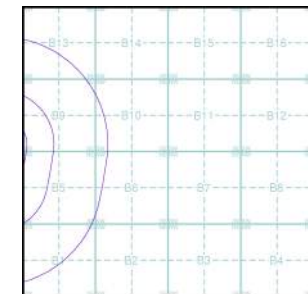
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- 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
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice B



Order Details

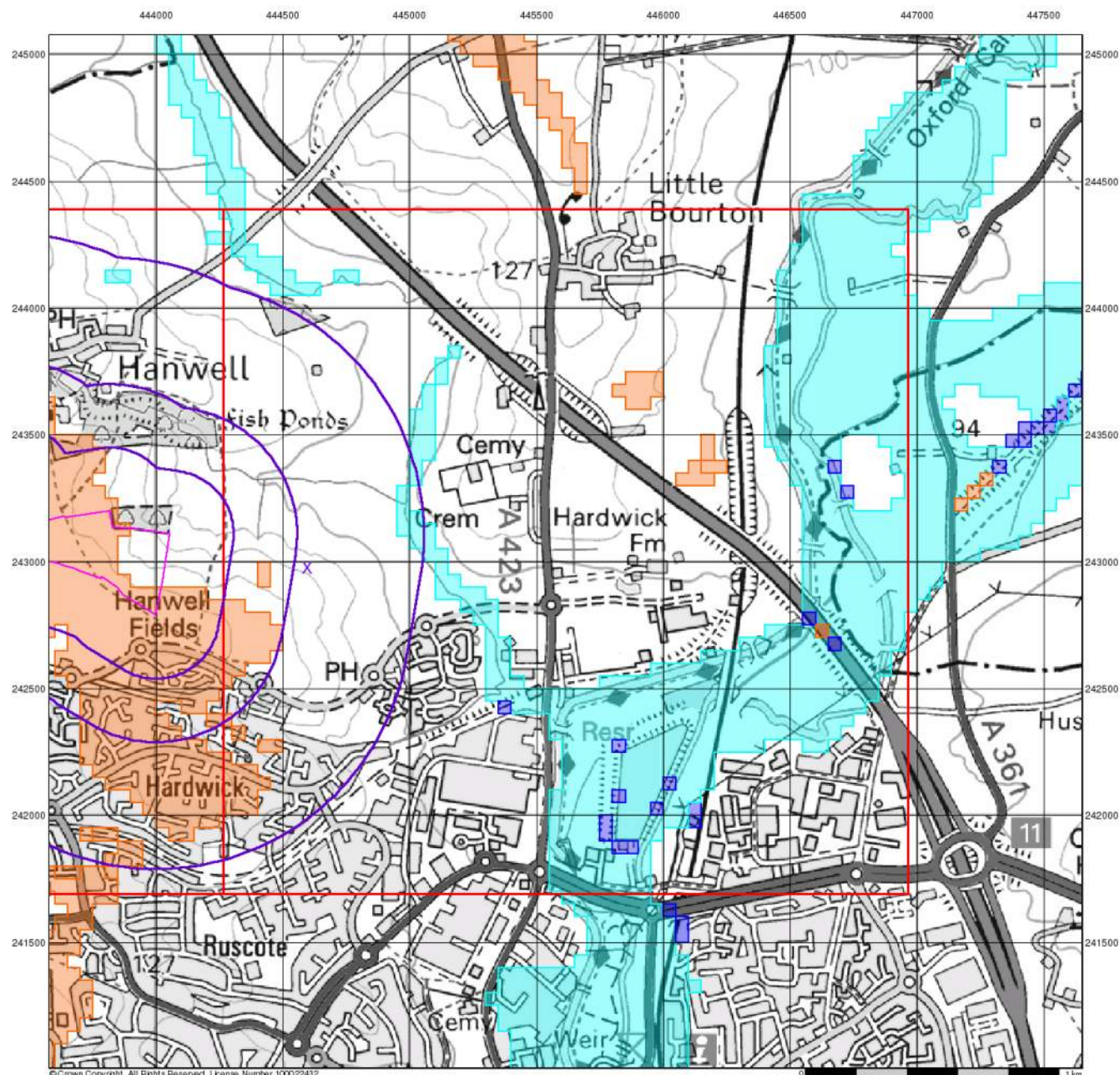
Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 444600, 242980
 Slice: B
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

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BGS Flood GFS Data

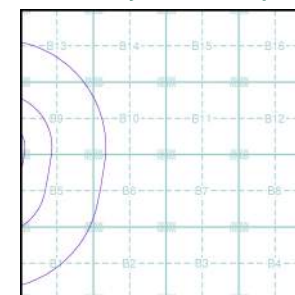
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice B



Order Details

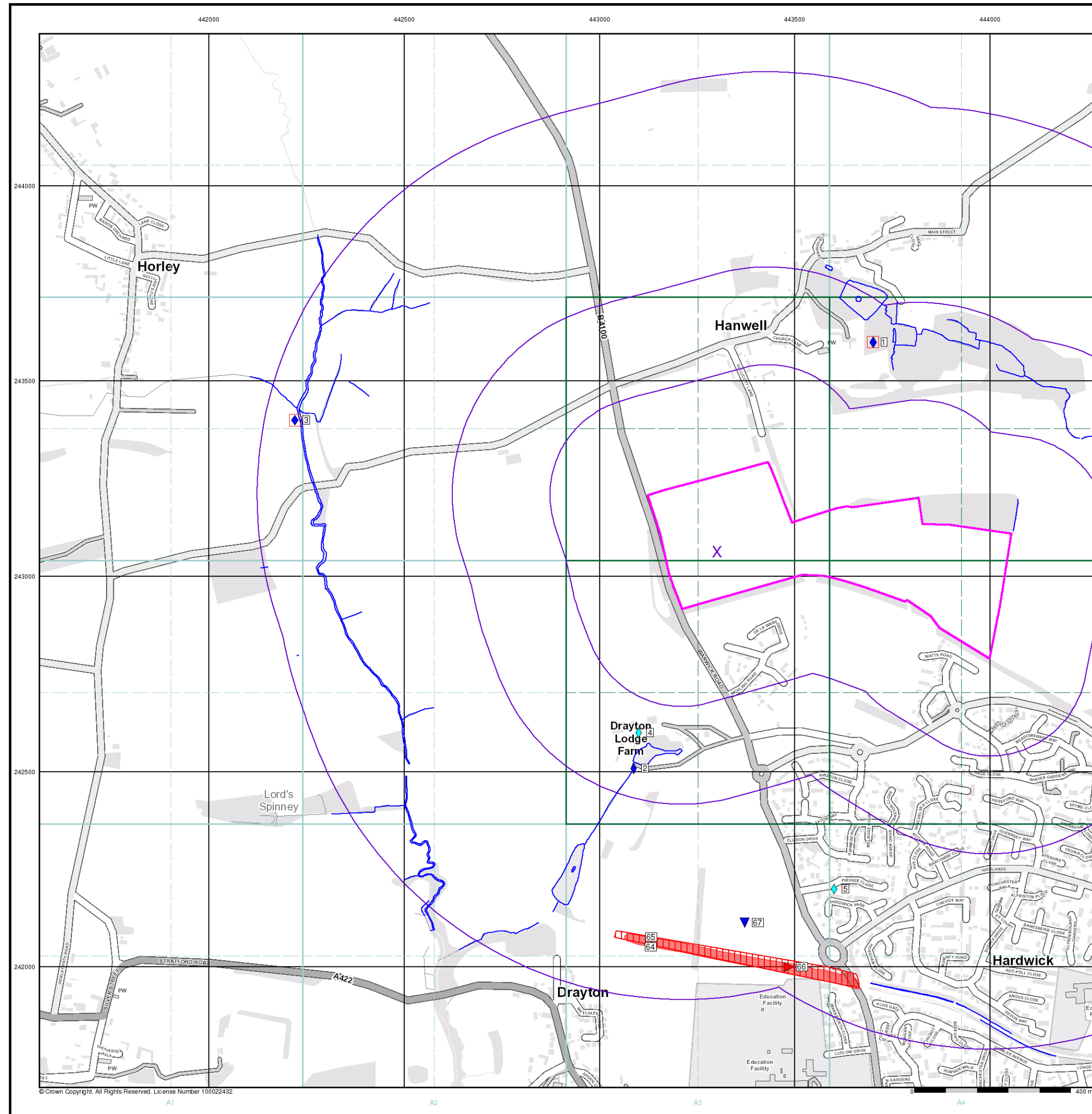
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 Customer Ref: 17279
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 Slice: B
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 Search Buffer (m): 1000

Site Details

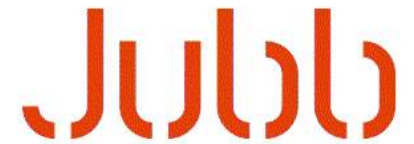
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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

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

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

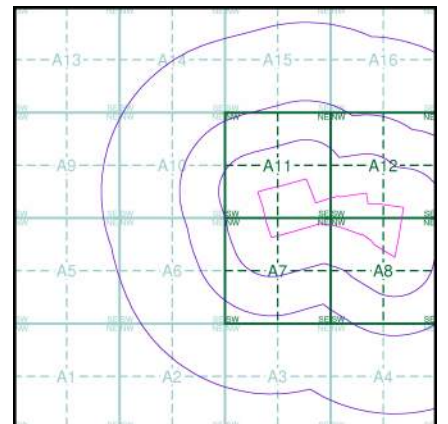
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice A



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

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Industrial Land Use Map

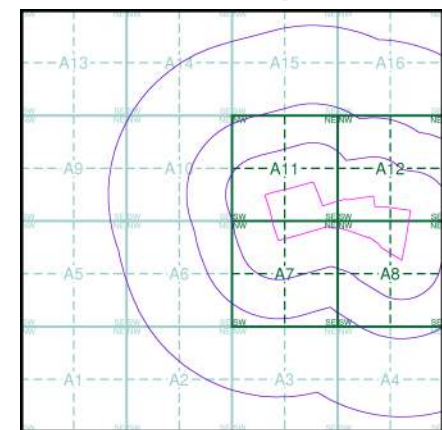
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

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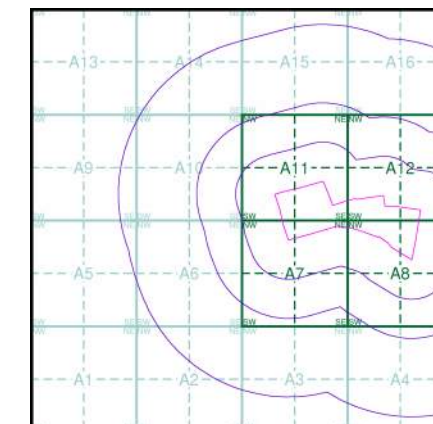
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

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

Flood Map - Slice A

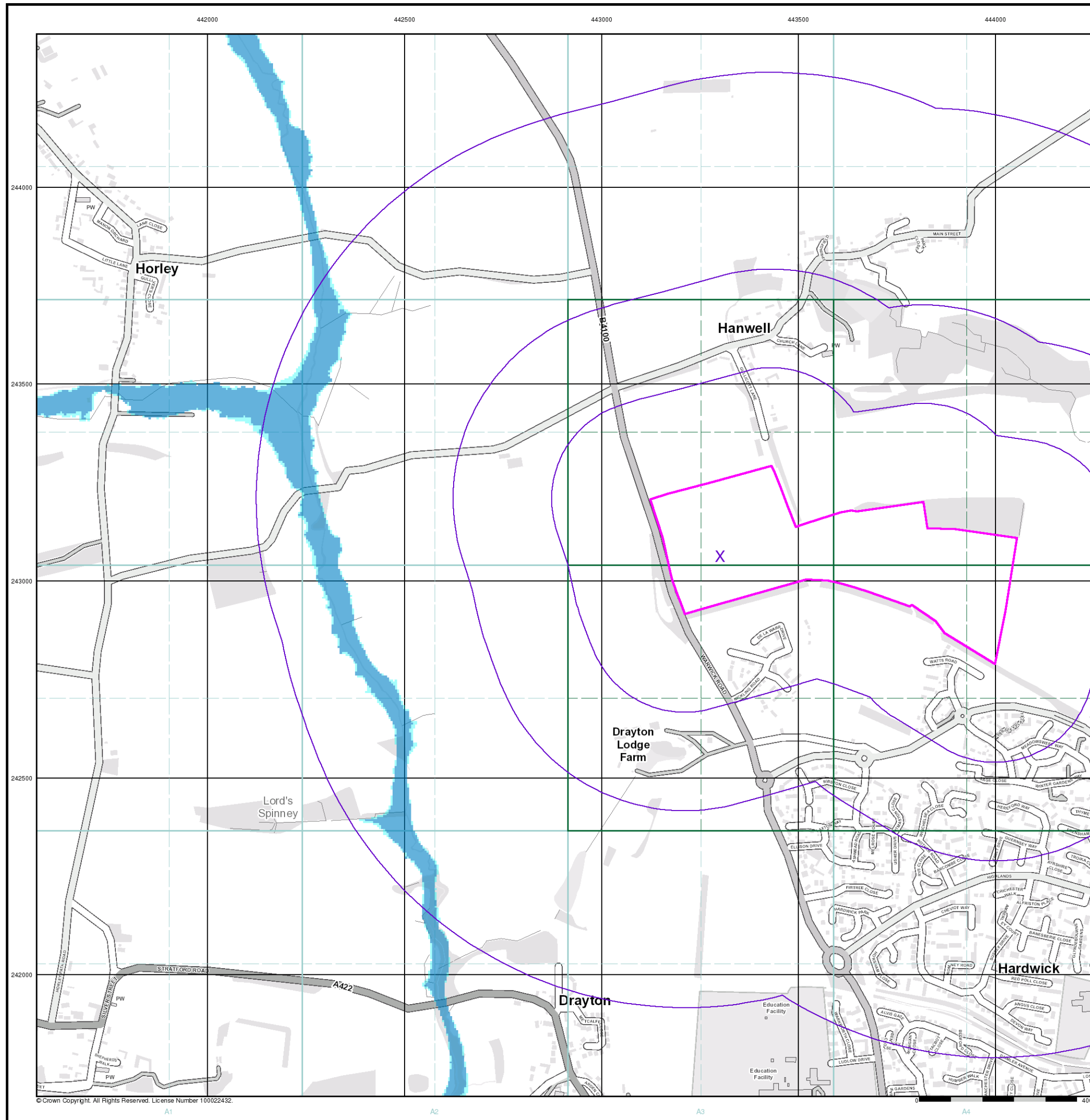


Order Details

Order Number: 175097433_1_1
 Customer Ref: 17279
 National Grid Reference: 443300, 243060
 Slice: A
 Site Area (Ha): 22.38
 Search Buffer (m): 1000

Site Details

Warwick Road, BANBURY





General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

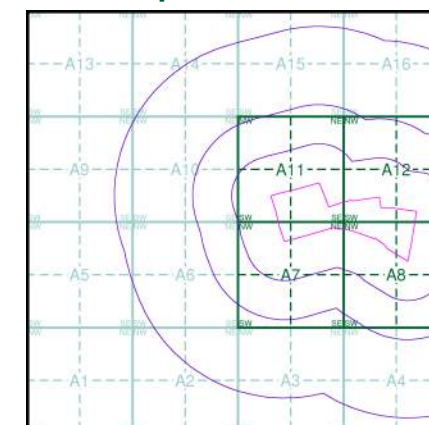
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

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

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

Borehole Map - Slice A



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

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



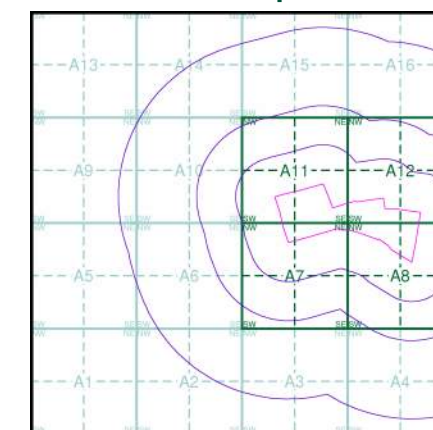
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

OS Water Network Map - Slice A



Order Details

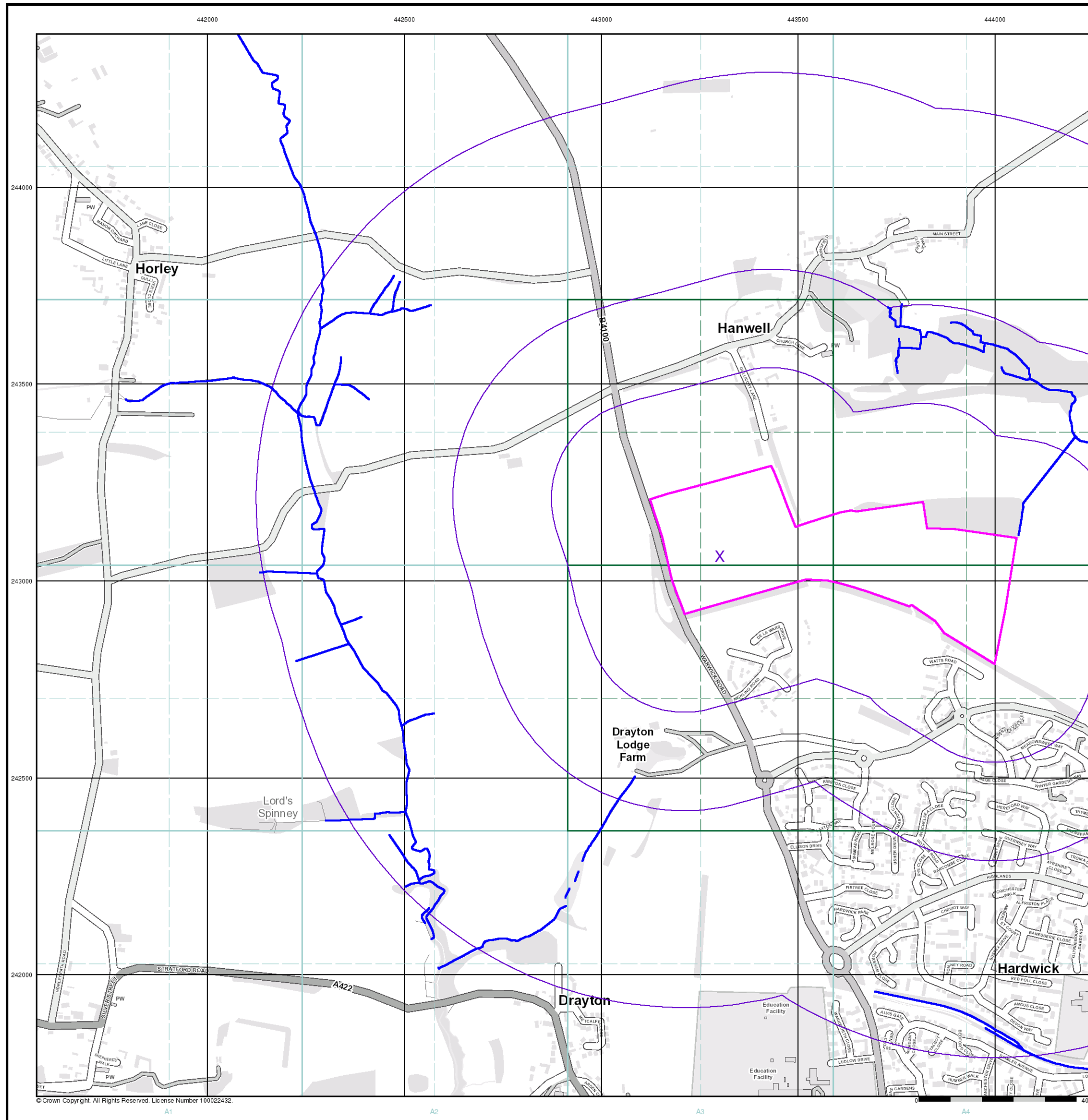
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 1000

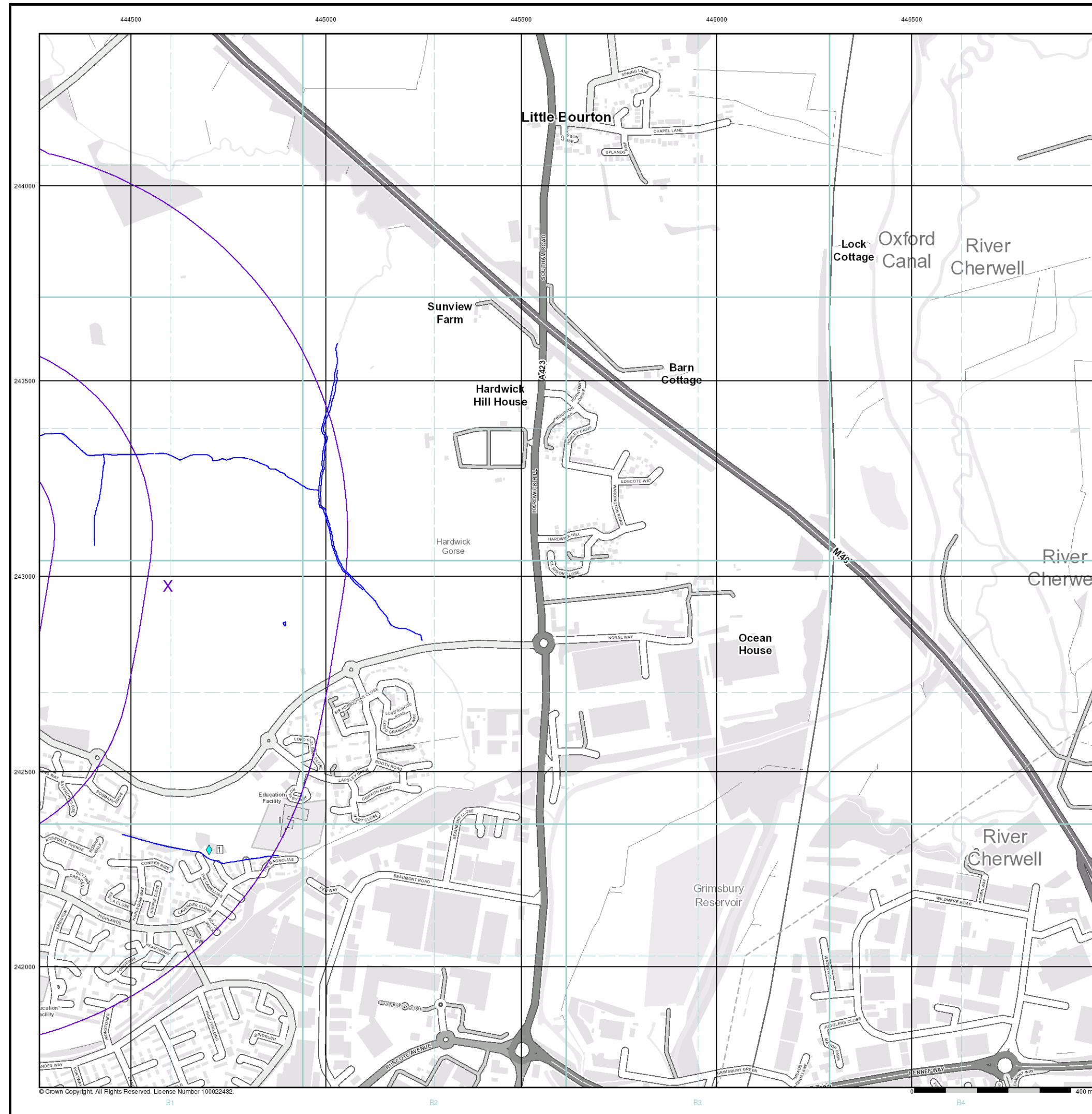
Site Details

Warwick Road, BANBURY

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INFORMATION GROUP

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

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

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

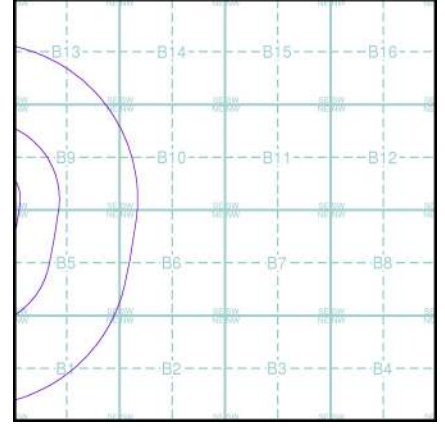
Geological

- BGS Recorded Mineral Site

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

Site Sensitivity Map - Slice B



Order Details

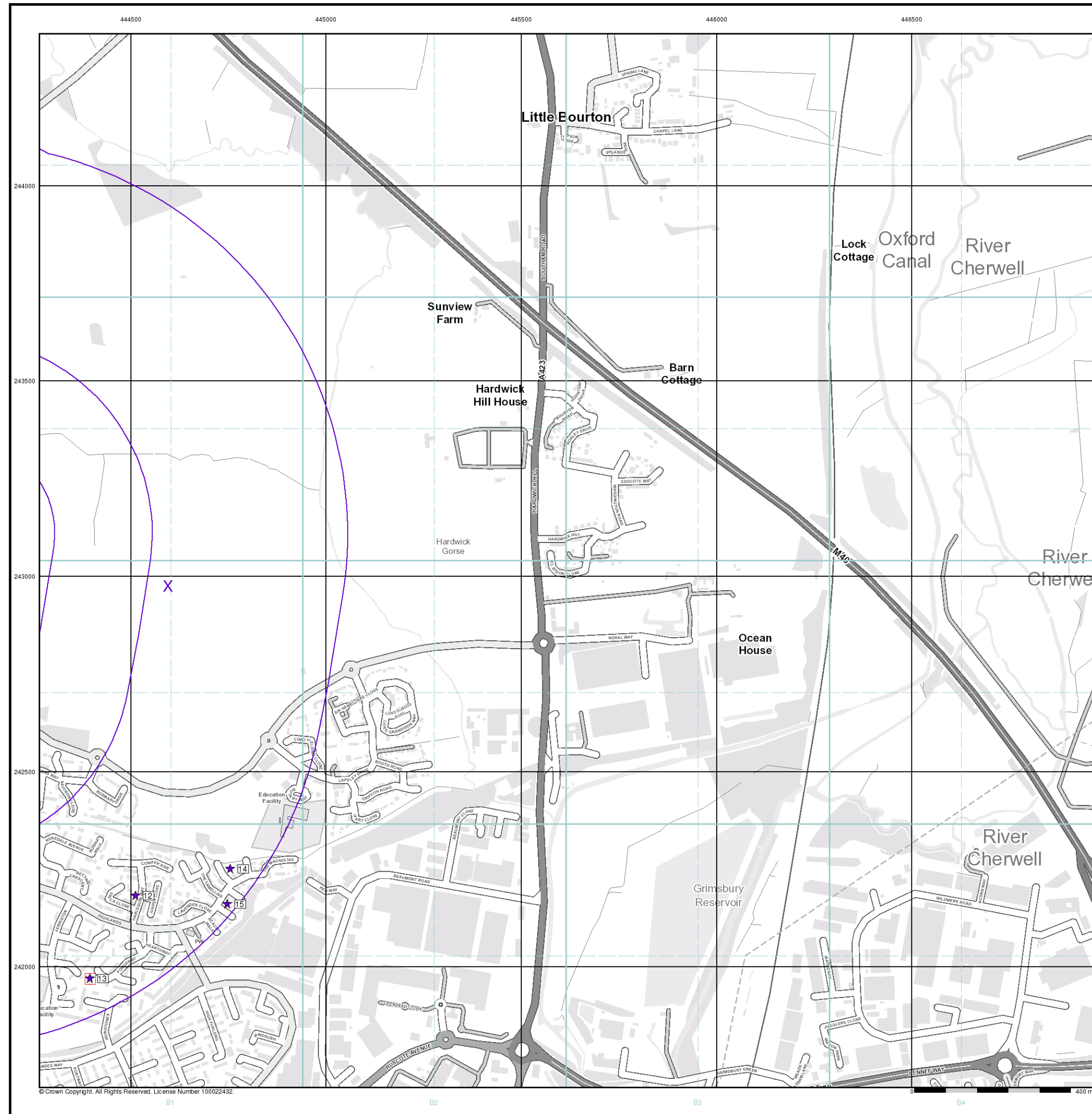
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

Warwick Road, BANBURY



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



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Industrial Land Use Map

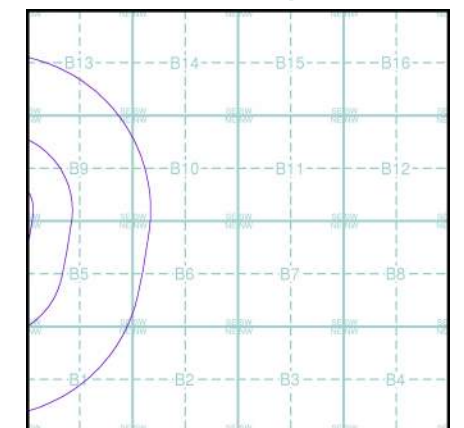
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Underground Electrical Cables

Industrial Land Use Map - Slice B



Order Details

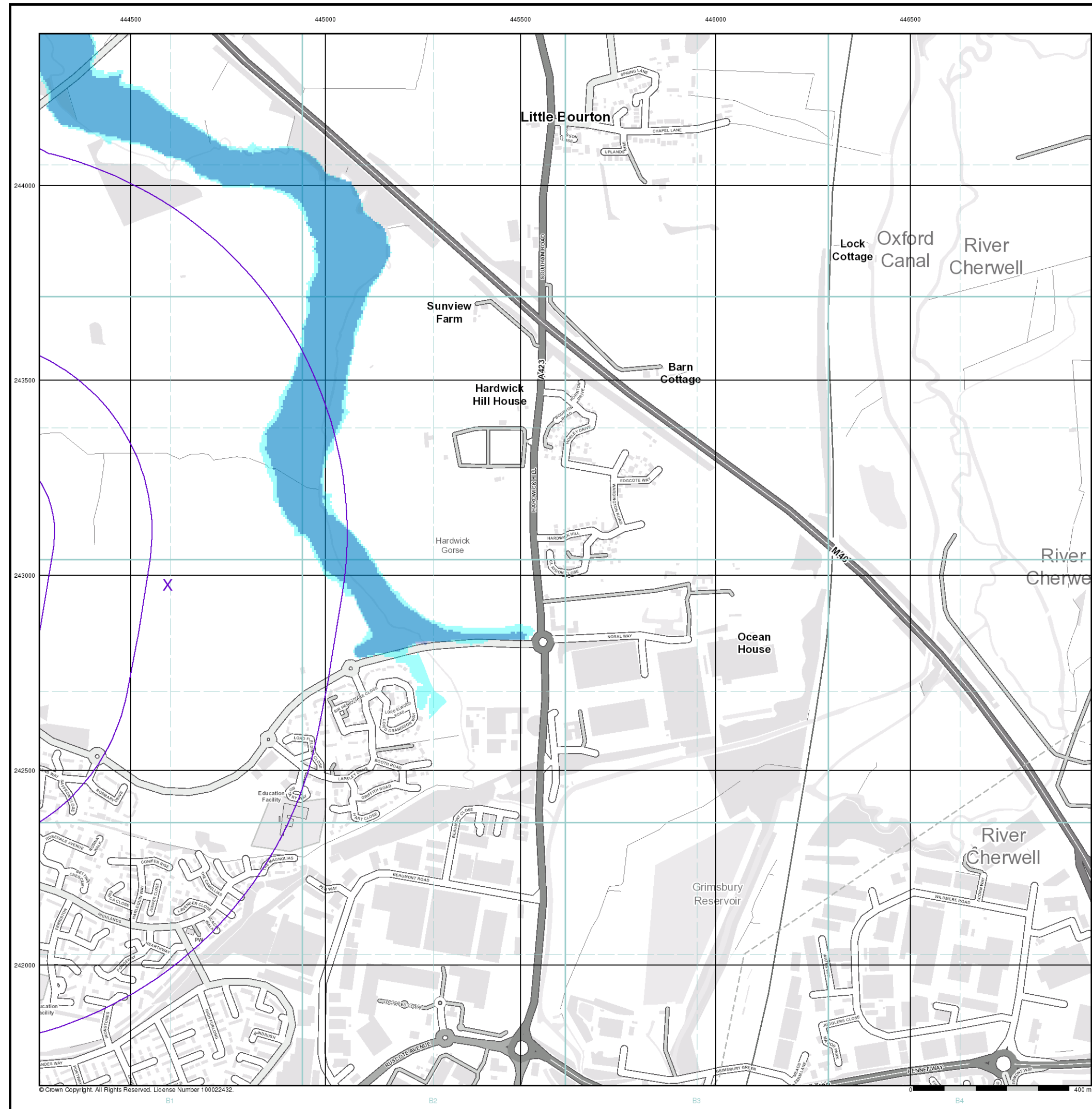
Order Number: 175097433_1_1
 Customer Ref: 17279
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 Slice: B
 Site Area (Ha): 22.38
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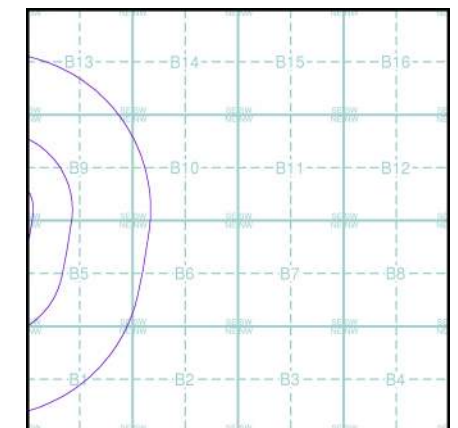
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

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

Flood Map - Slice B



Order Details

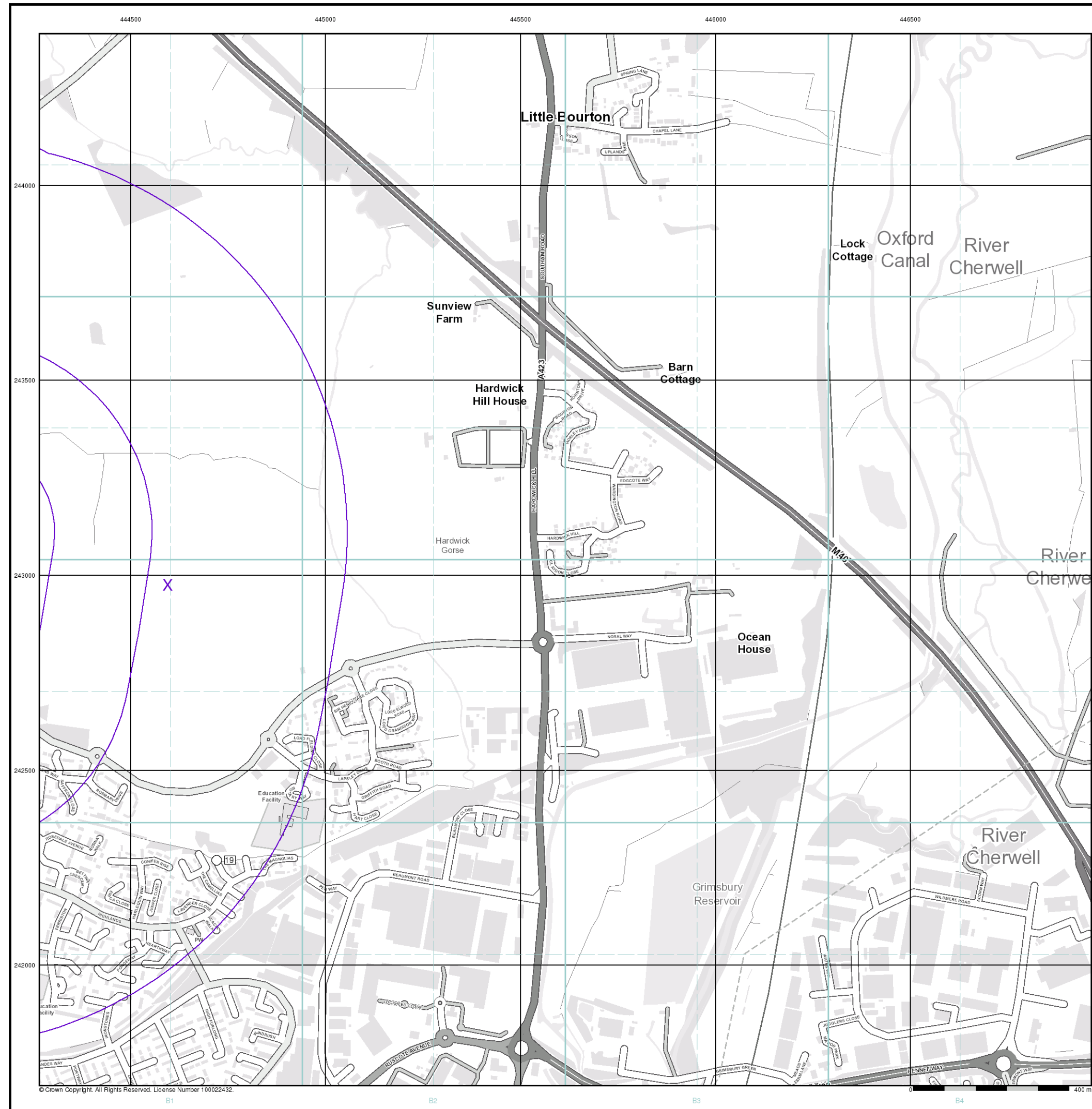
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

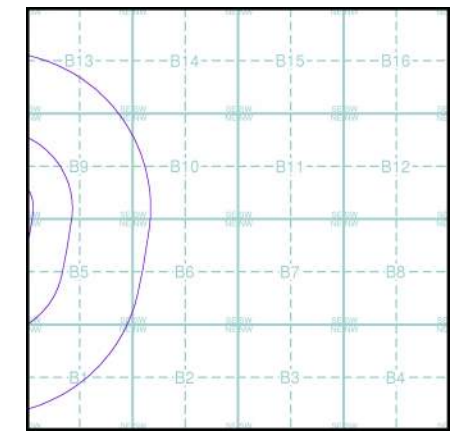
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

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

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

Borehole Map - Slice B



Order Details

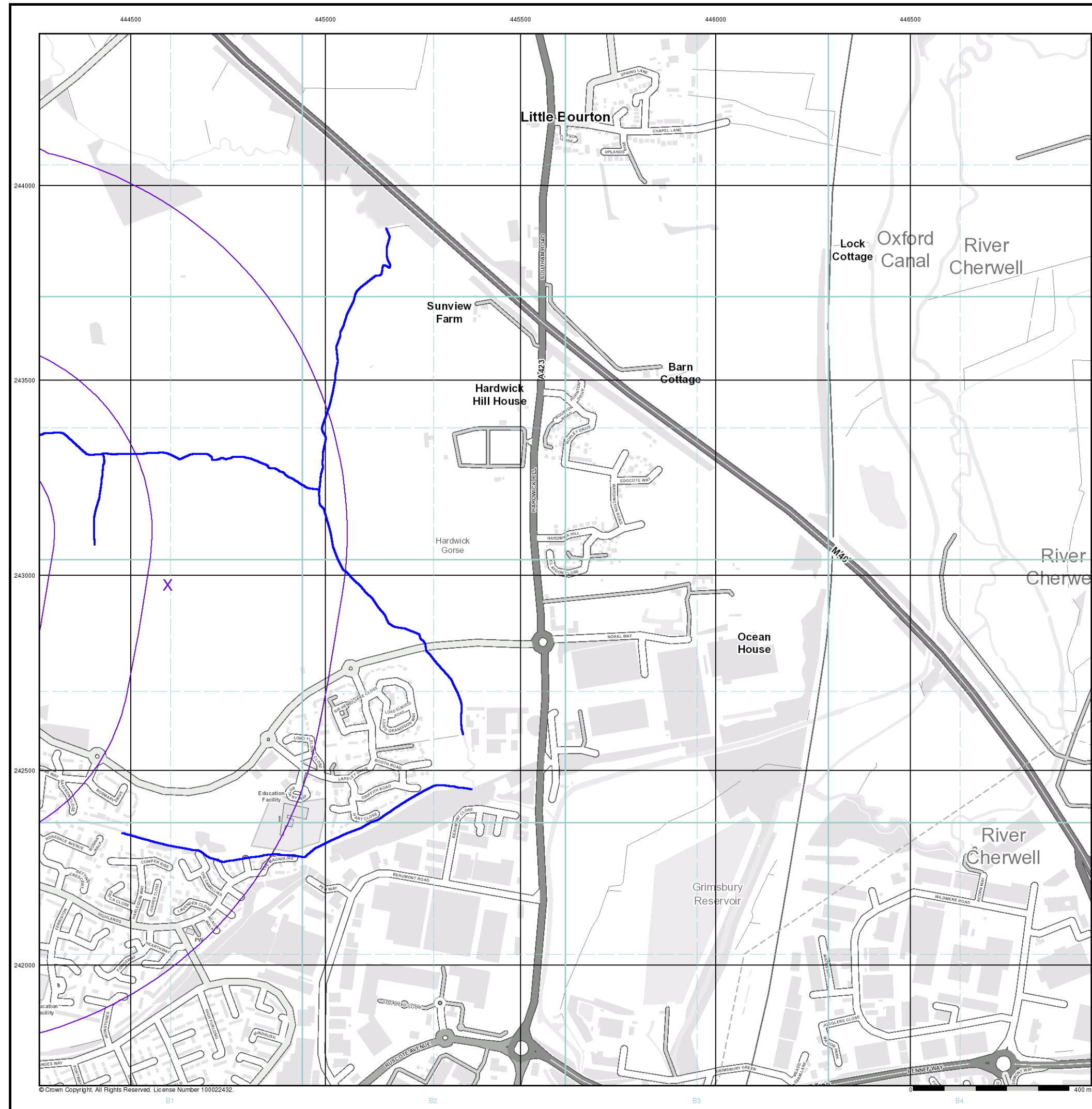
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Site Area (Ha): 22.38
Search Buffer (m): 1000

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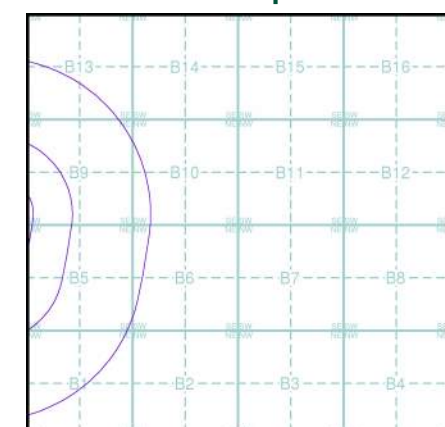
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- | | |
|--------------|-------------------------|
| Canal | Drain |
| Reservoir | Other |
| Foreshore | Lake |
| Marsh | Transfer |
| Tidal River | Lock Or Flight Of Locks |
| Inland River | Sea |

OS Water Network Map - Slice B



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000

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APPENDIX E: ENVIROCHECK HISTORICAL MAPPING

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

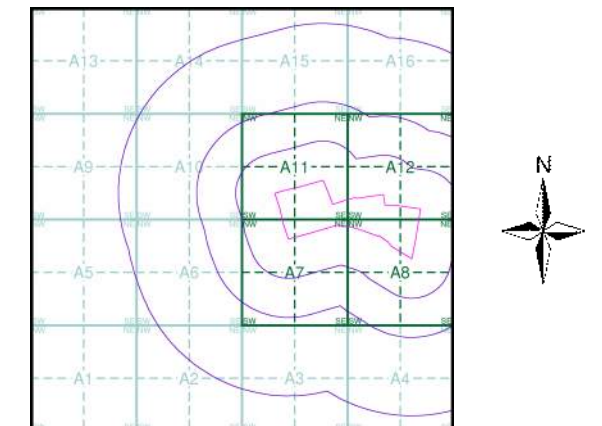
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
Oxfordshire	1:10,560	1887	2
Warwickshire	1:10,560	1889	3
Oxfordshire	1:10,560	1900	4
Oxfordshire	1:10,560	1923	5
Oxfordshire	1:10,560	1938	6
Ordnance Survey Plan	1:10,000	1955	7
Ordnance Survey Plan	1:10,000	1968	8
Ordnance Survey Plan	1:10,000	1980	9
Ordnance Survey Plan	1:10,000	1995	10
10K Raster Mapping	1:10,000	1999	11
Street View	Variable		12

Historical Map - Slice A



Order Details

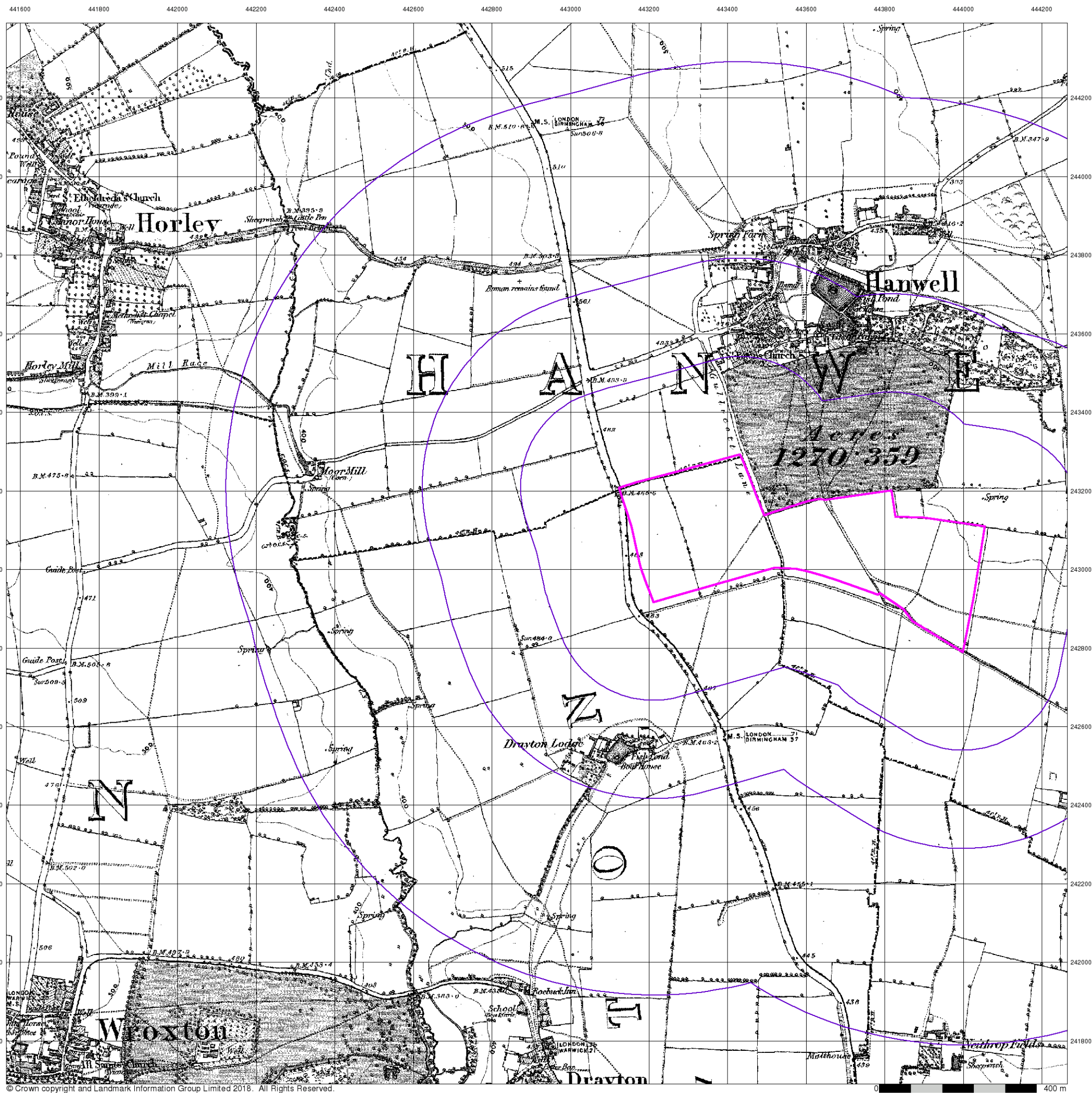
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Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

Warwick Road, BANBURY

Landmark
INFORMATION GROUP

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



Jubb

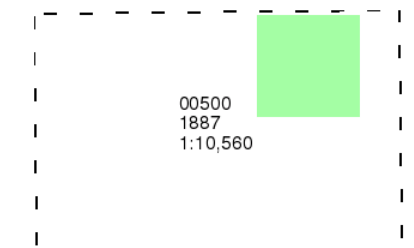
Oxfordshire

Published 1887

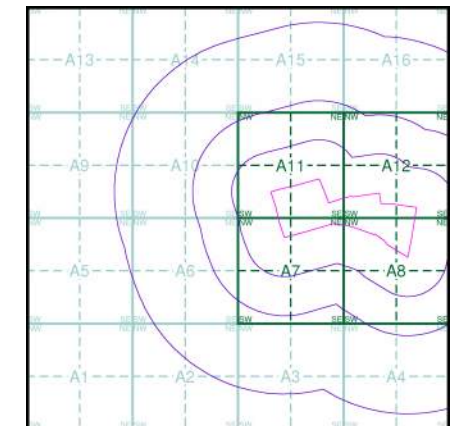
Source map scale - 1:10,560

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

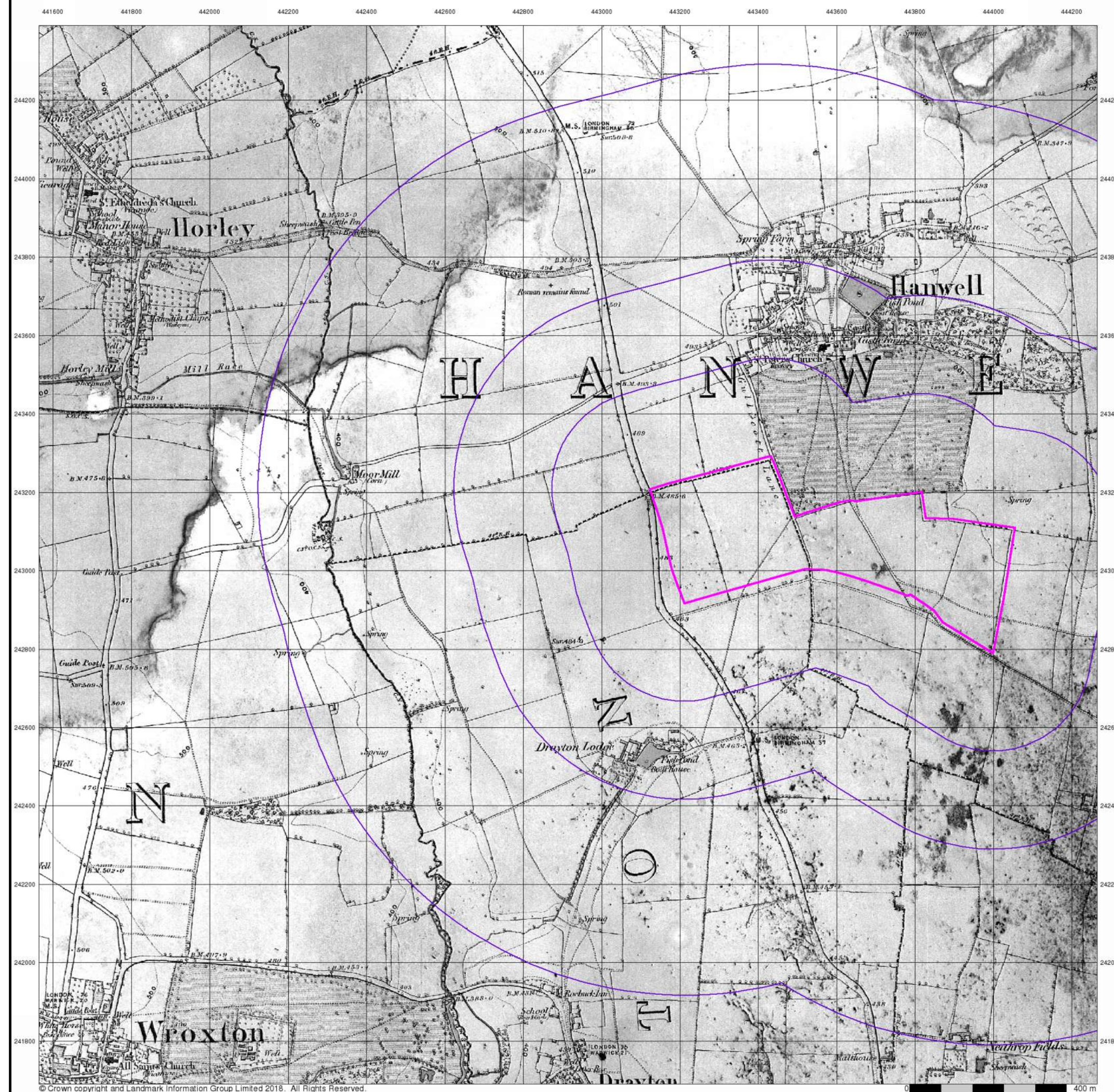
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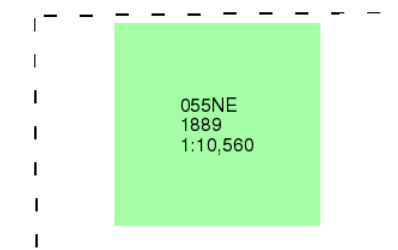


Warwickshire

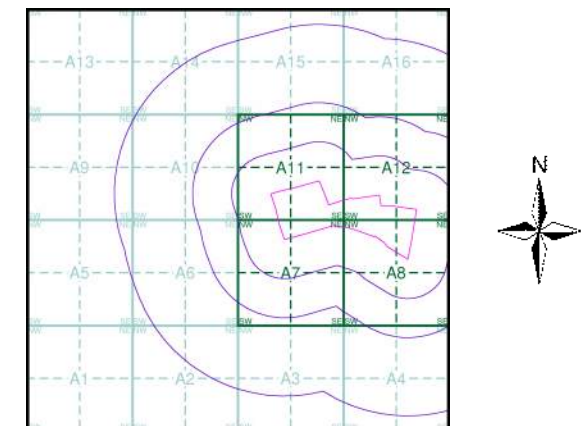
Published 1889

Source map scale - 1:10,560

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Map Name(s) and Date(s)

Historical Map - Slice A



Order Details

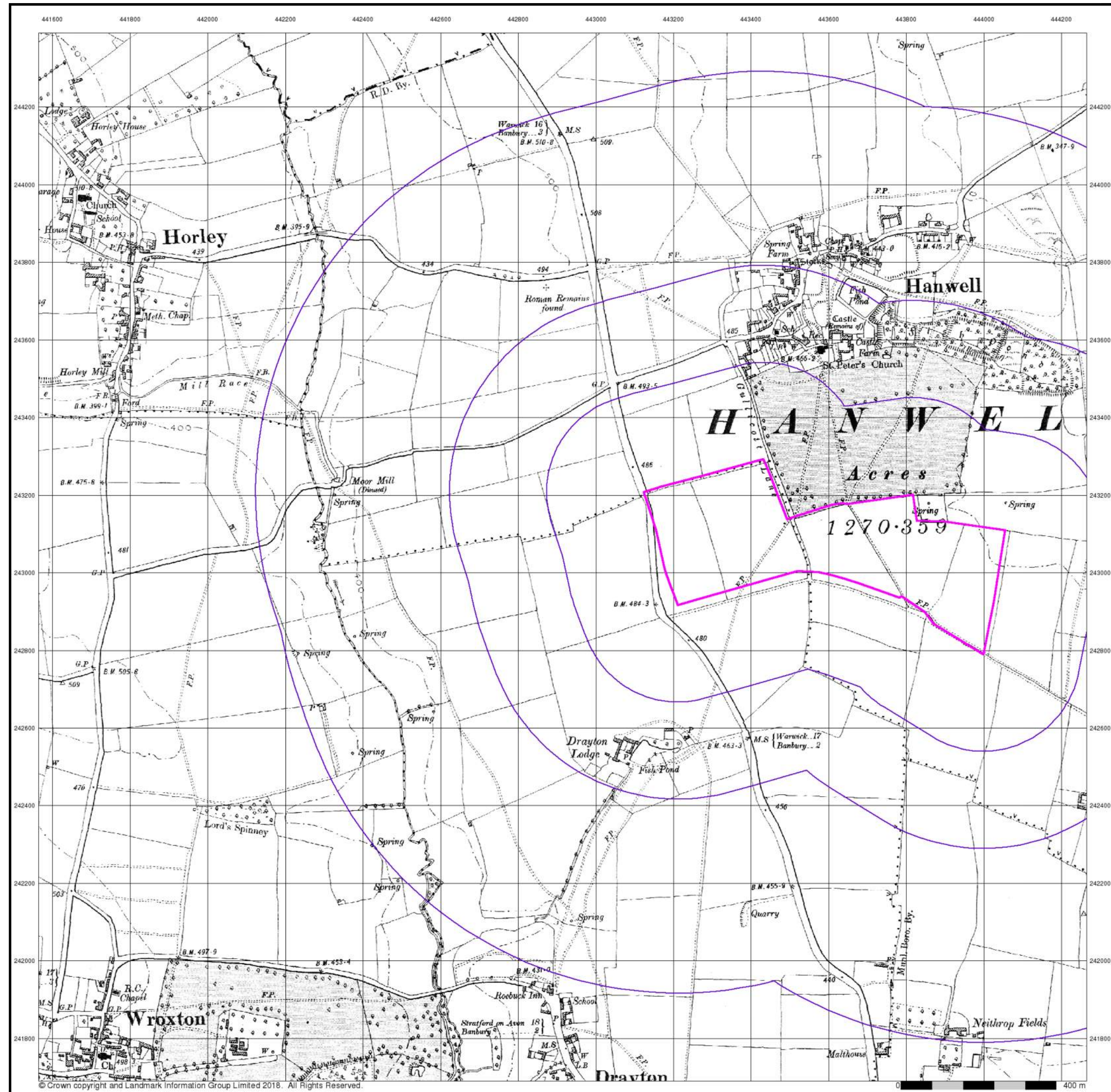
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Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
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Site Details

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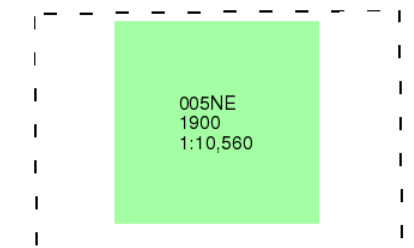
Oxfordshire

Published 1900

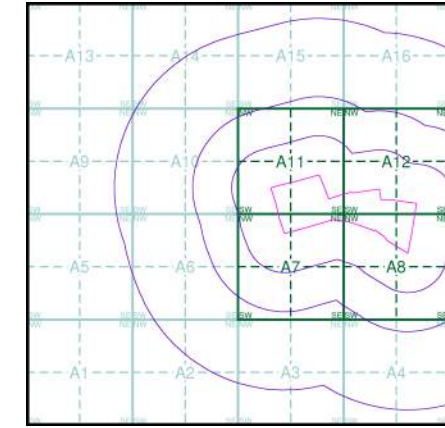
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

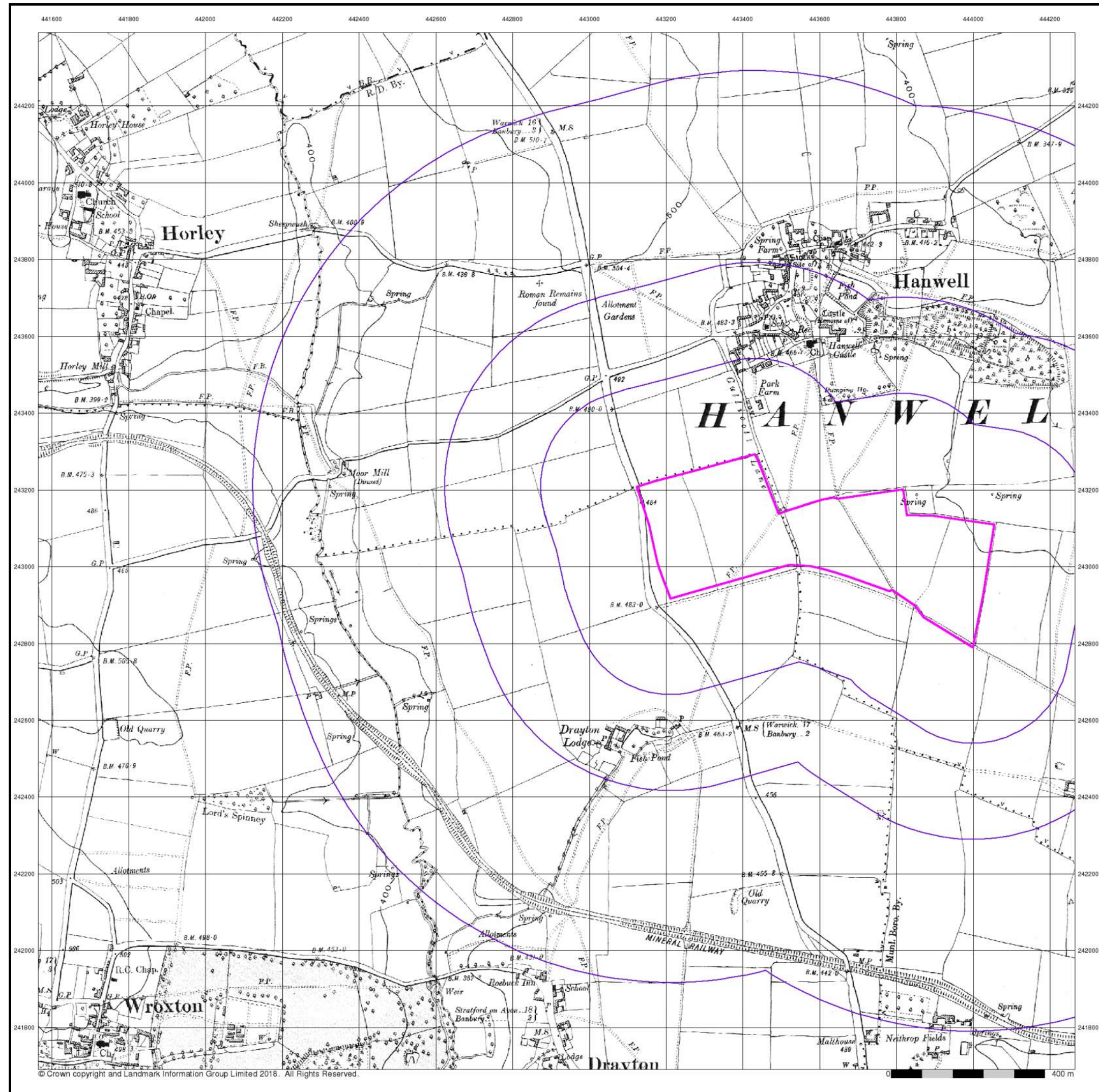
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Site Area (Ha): 22.38
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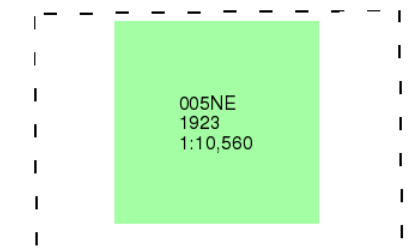
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Published 1923

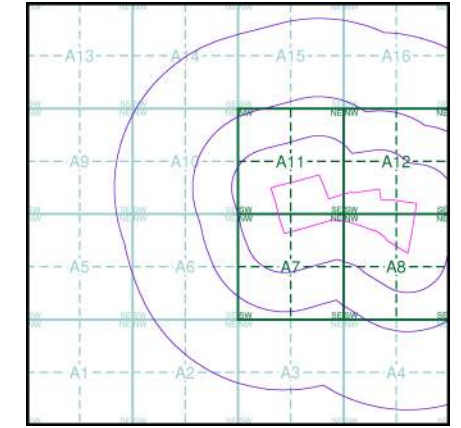
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

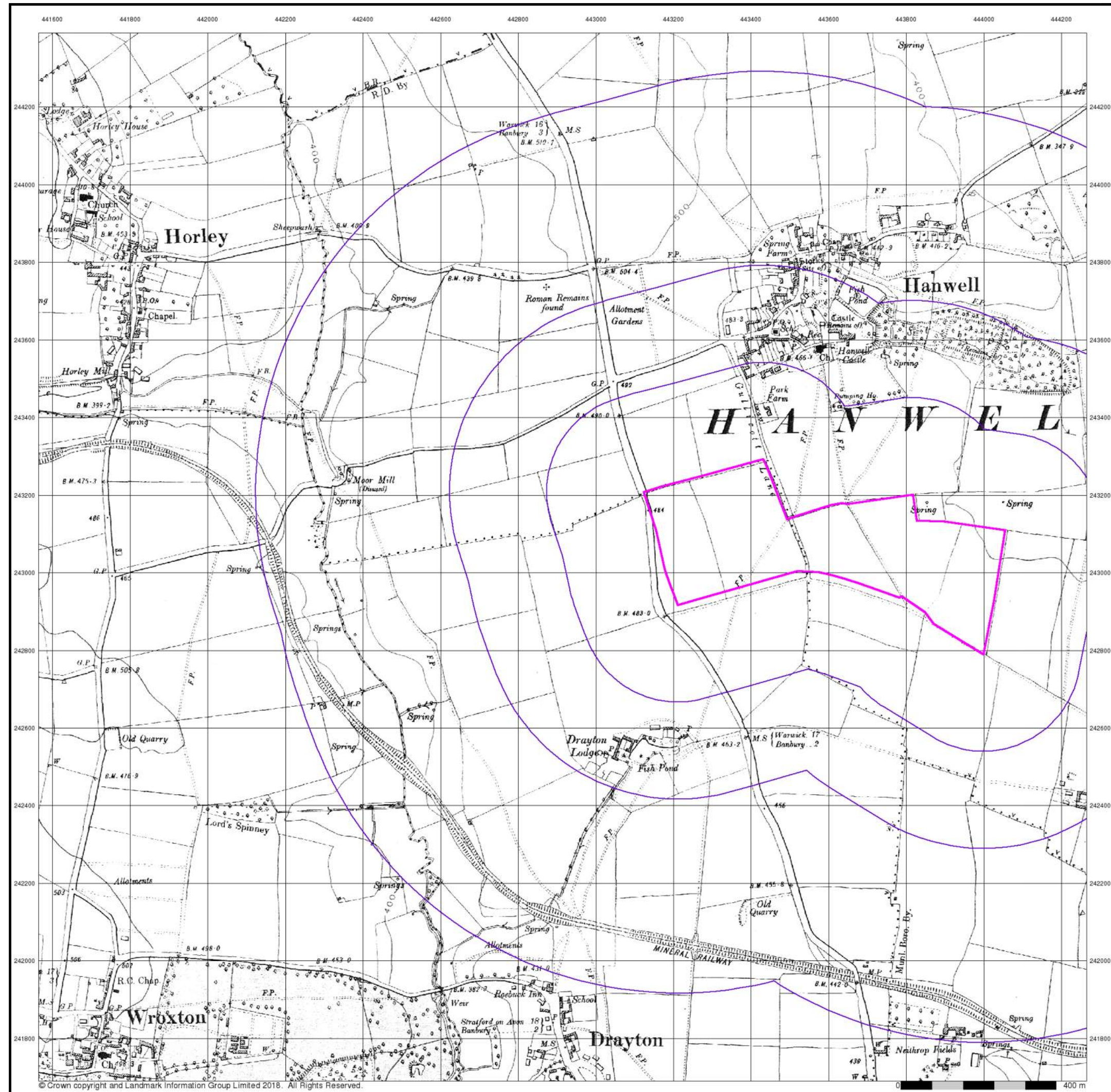
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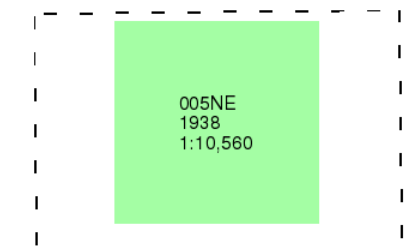
Oxfordshire

Published 1938

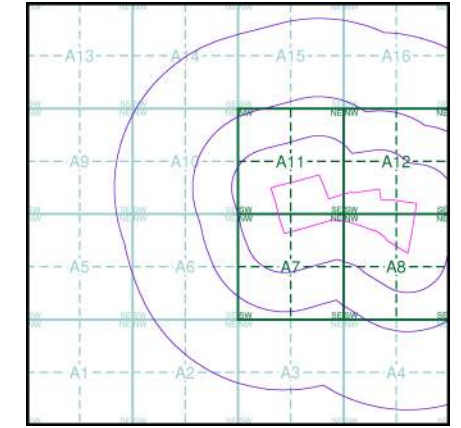
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

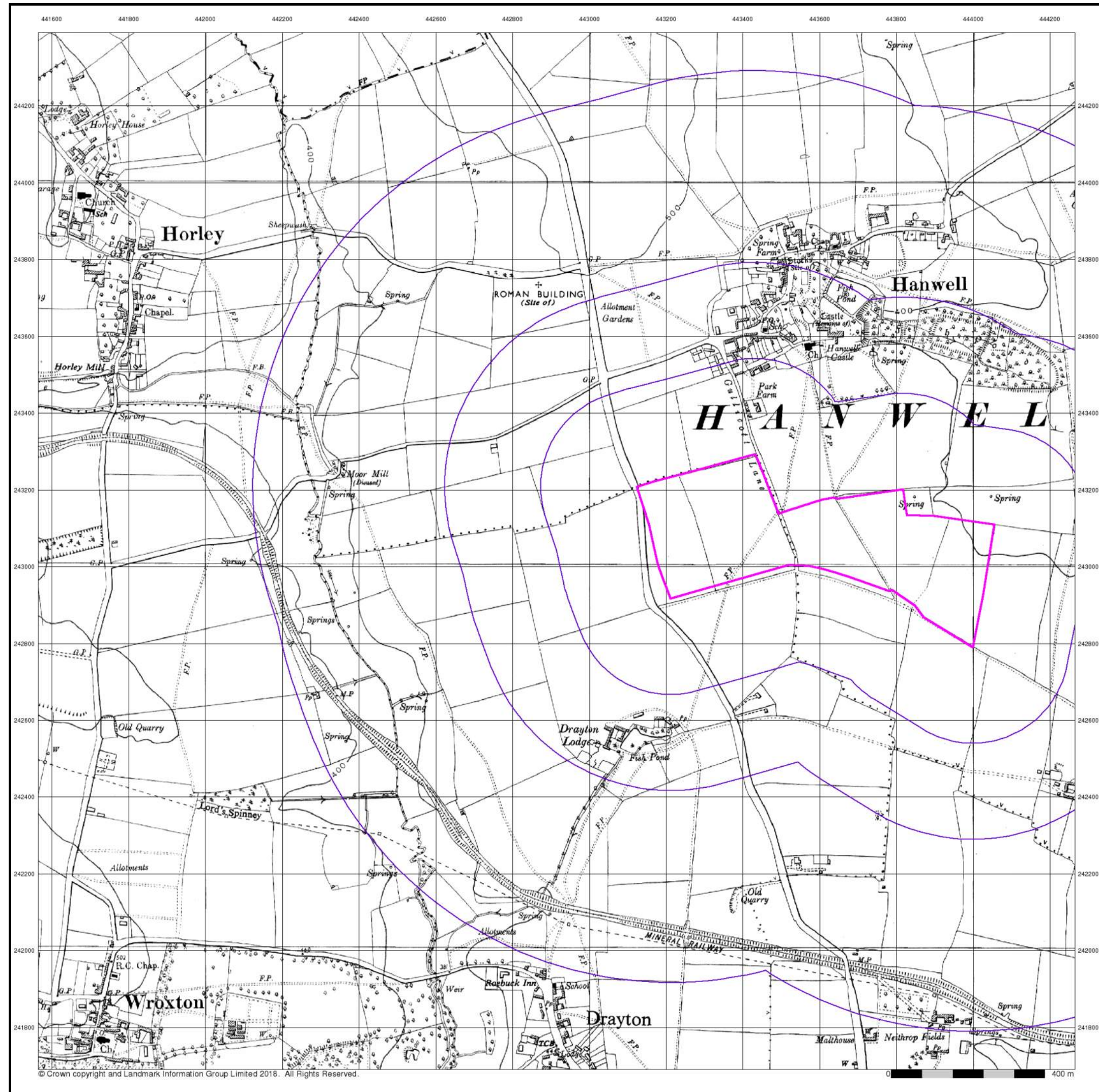
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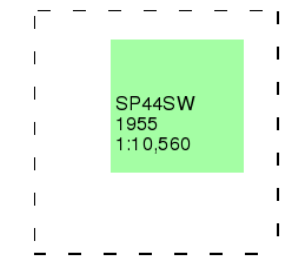
Ordnance Survey Plan

Published 1955

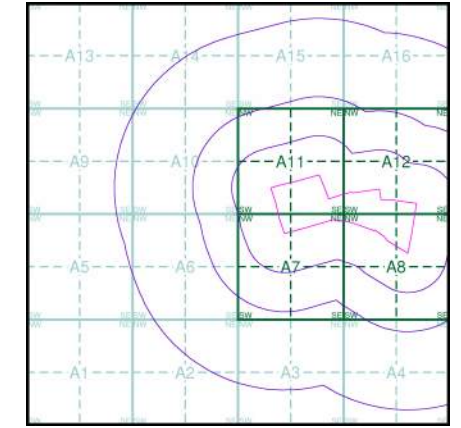
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

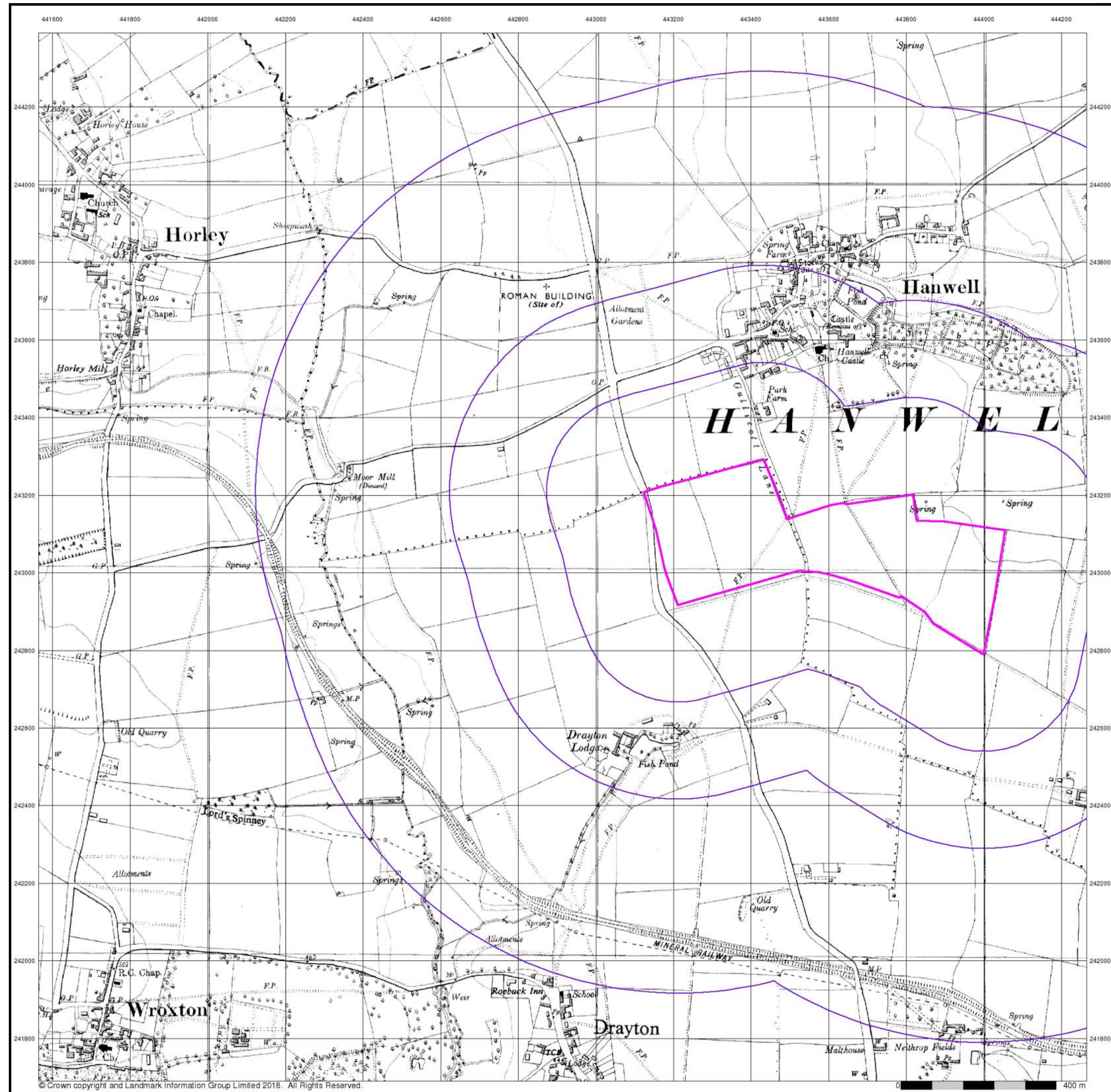
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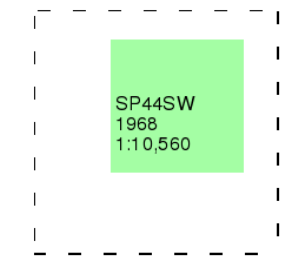
Ordnance Survey Plan

Published 1968

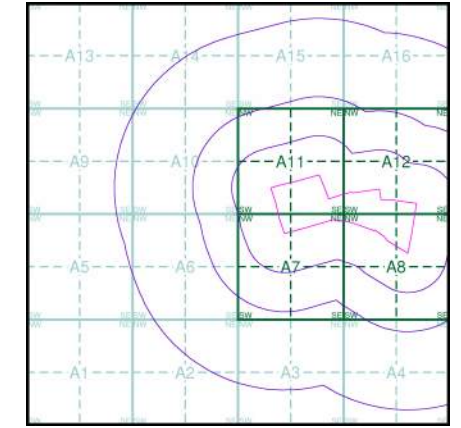
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

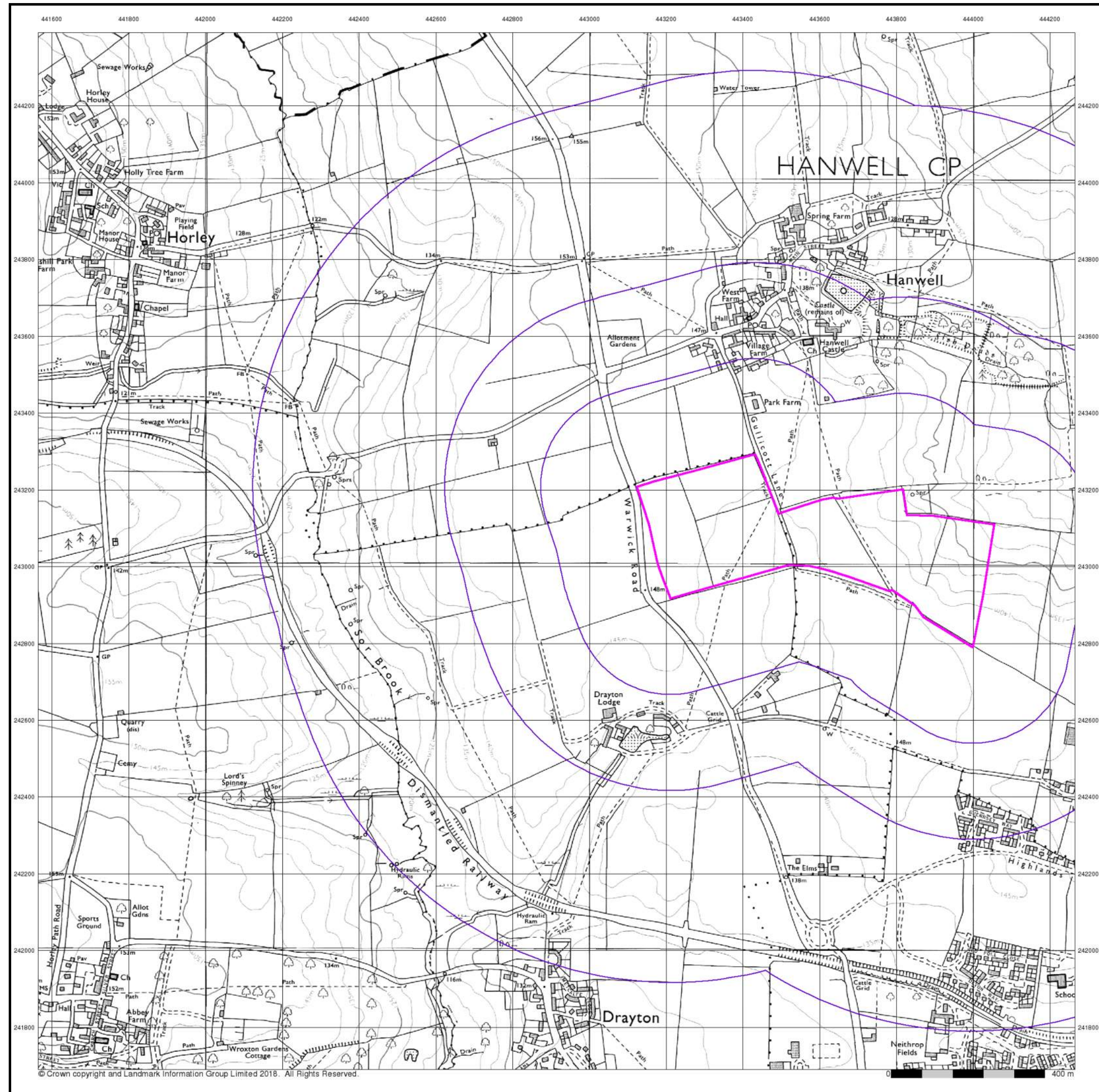
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Customer Ref: 17279
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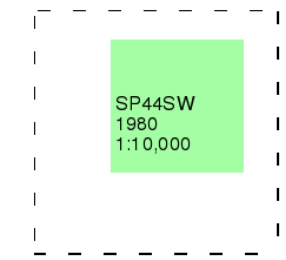
Ordnance Survey Plan

Published 1980

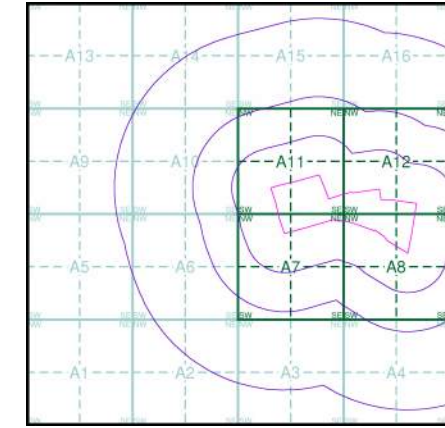
Source map scale - 1:10,000

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

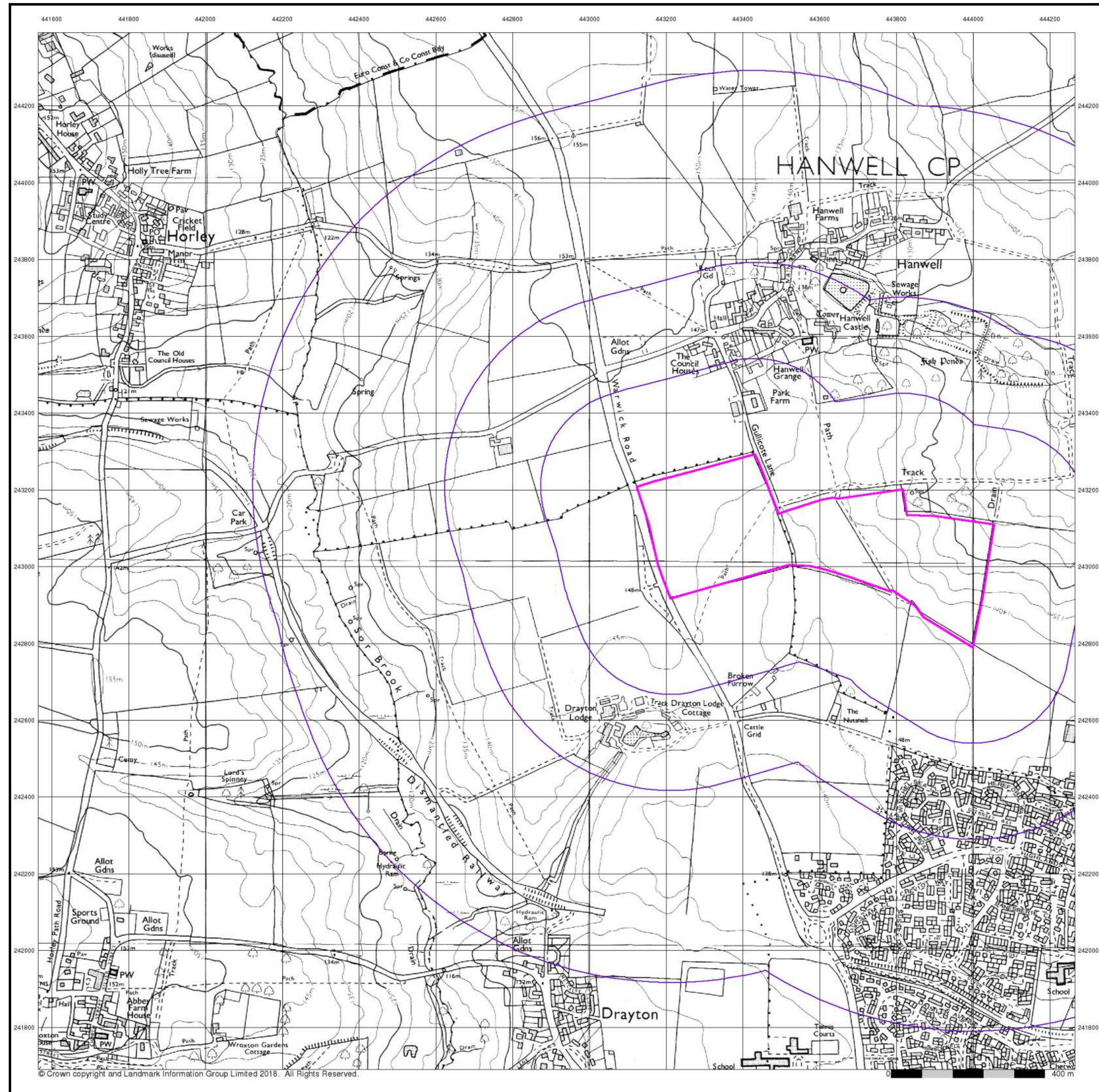
Order Number: 175097433_1_1
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Ordnance Survey Plan

Published 1995

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.

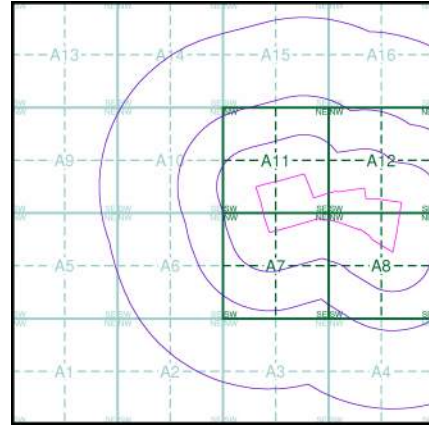
Map Name(s) and Date(s)

SP44SW

1995

1:10,000

Historical Map - Slice A




Order Details

Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	1000

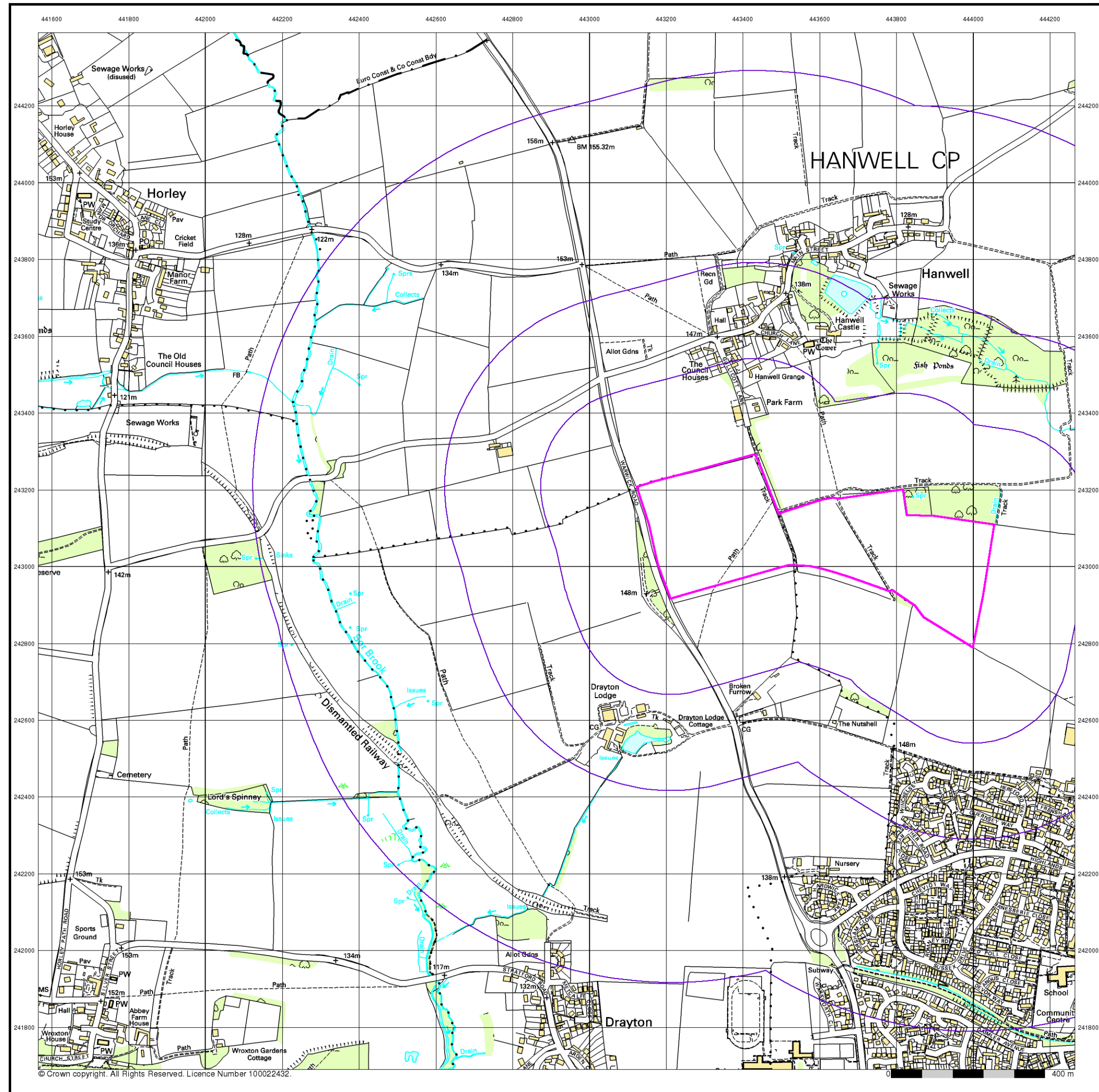
Site Details

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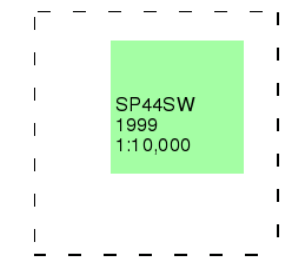
A Landmark Information Group Service v50.0 31-Jul-2018 Page 10 of 12



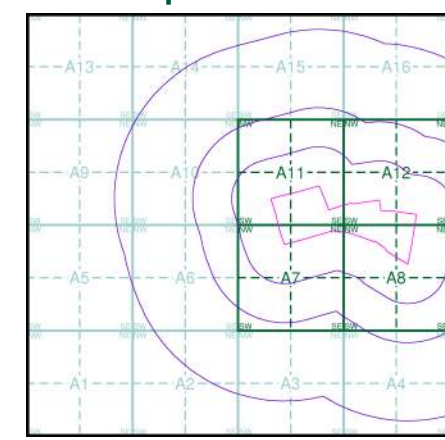
10k Raster Mapping
Published 1999
Source map scale - 1:10,000

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)



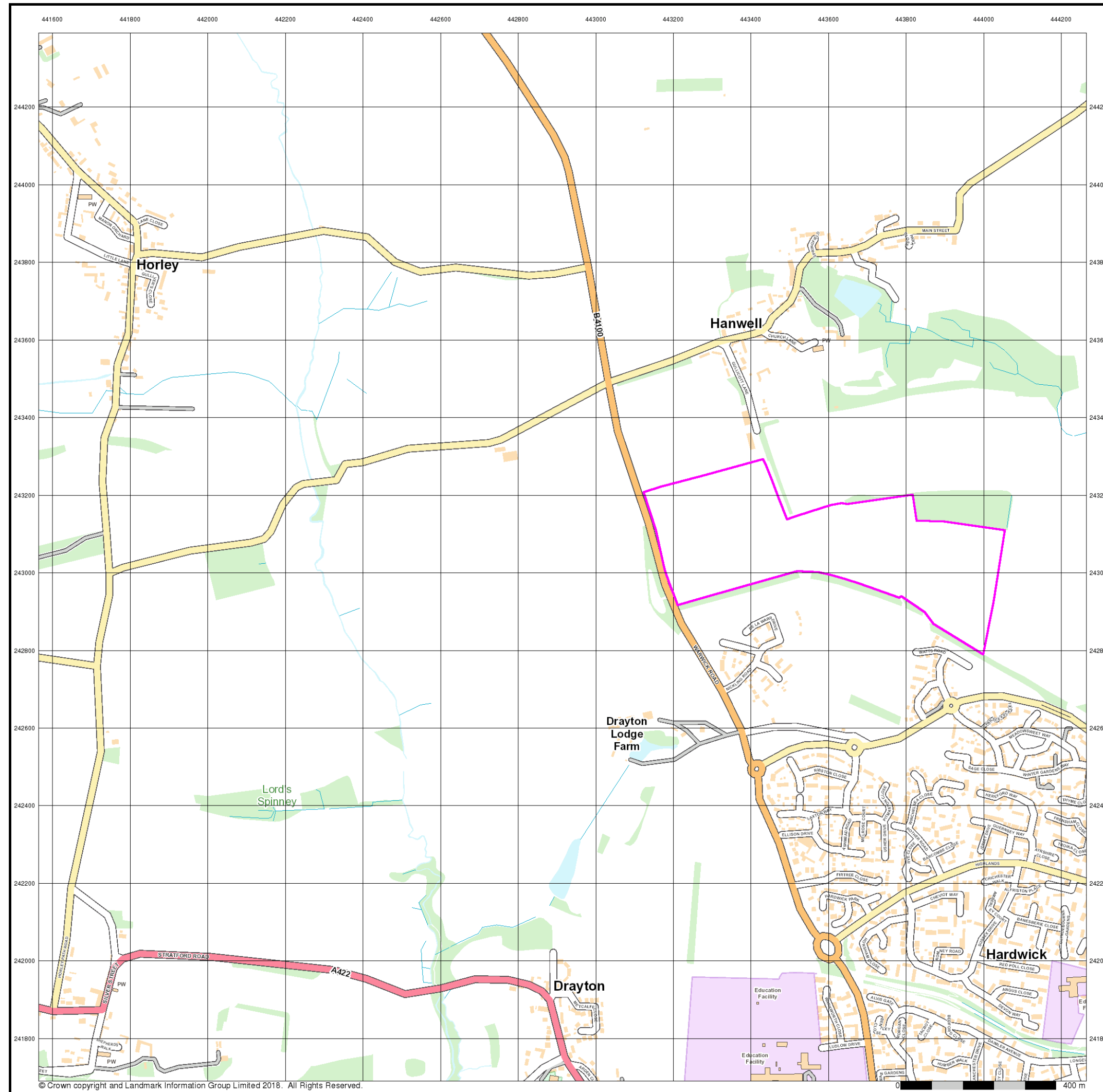
Historical Map - Slice A



Order Details

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Site Details
Warwick Road, BANBURY



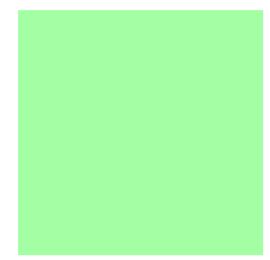
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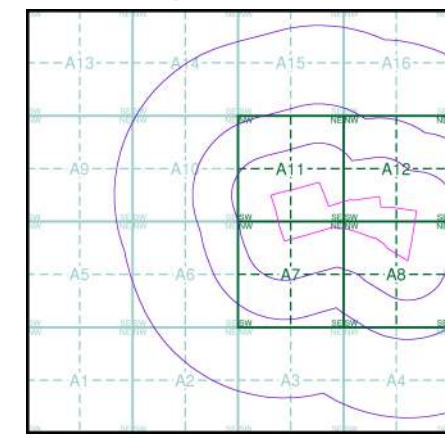
Street View
Published 2018
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice A



Order Details
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details
Warwick Road, BANBURY

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
			Pole
			Electricity Transmission Line
	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		
	Shown alternately when coincidence of boundaries occurs		
	BP, BS Boundary Post or Stone		Police Station
	Ch Church		Post Office
	CH Club House		Public Convenience
	F E Sta Fire Engine Station		Public House
	FB Foot Bridge		Signal Box
	Fn Fountain		Spring
	GP Guide Post		Telephone Call Box
	MP Mile Post		Telephone Call Post
	MS Mile Stone		Well

1:10,000 Raster Mapping

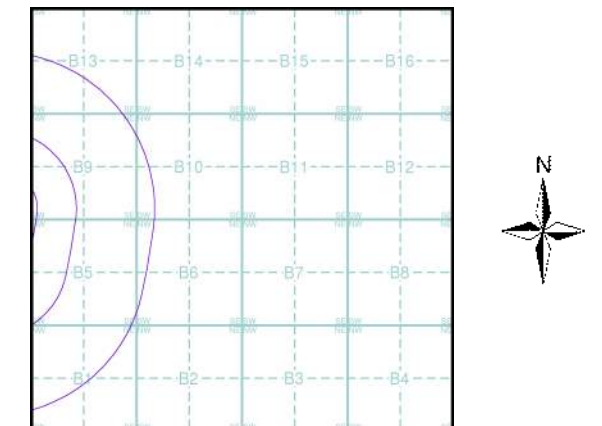
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, 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
Northamptonshire	1:10,560	1884	2
Oxfordshire	1:10,560	1885 - 1887	3
Warwickshire	1:10,560	1889	4
Oxfordshire	1:10,560	1900	5
Northamptonshire	1:10,560	1923	6
Oxfordshire	1:10,560	1923	7
Oxfordshire	1:10,560	1938	8
Northamptonshire	1:10,560	1938	9
Ordnance Survey Plan	1:10,000	1955	10
Ordnance Survey Plan	1:10,000	1968	11
Ordnance Survey Plan	1:10,000	1978	12
Ordnance Survey Plan	1:10,000	1980	13
Ordnance Survey Plan	1:10,000	1994 - 1995	14
10K Raster Mapping	1:10,000	1999	15
Street View	Variable		16

Historical Map - Slice B



Order Details

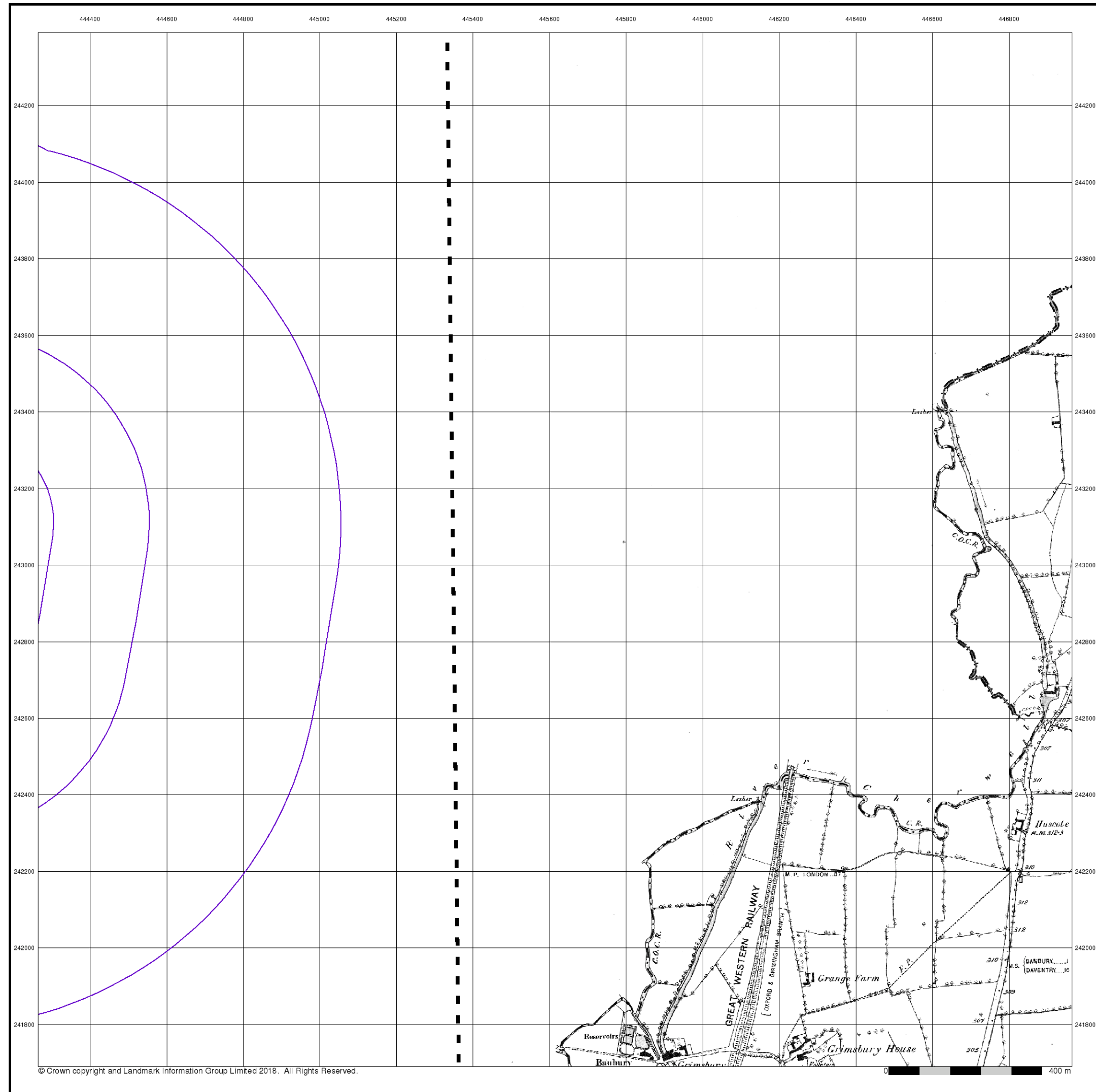
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Customer Ref: 17279
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Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000


Site Details

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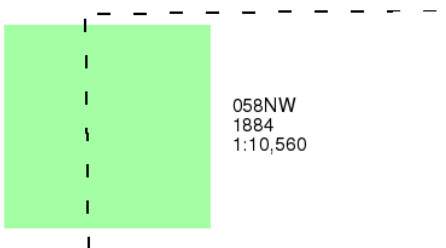
Northamptonshire

Published 1884

Source map scale - 1:10,560


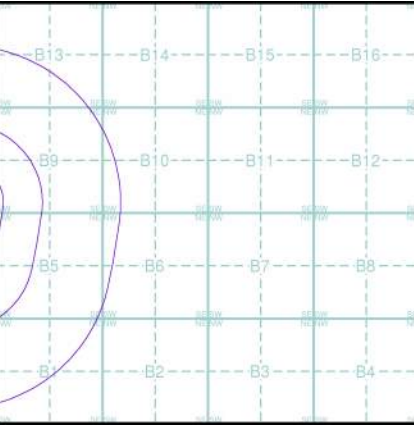
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Map Name(s) and Date(s)



058NW
1884
1:10,560

Historical Map - Slice B




Order Details

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National Grid Reference:	444600, 242980
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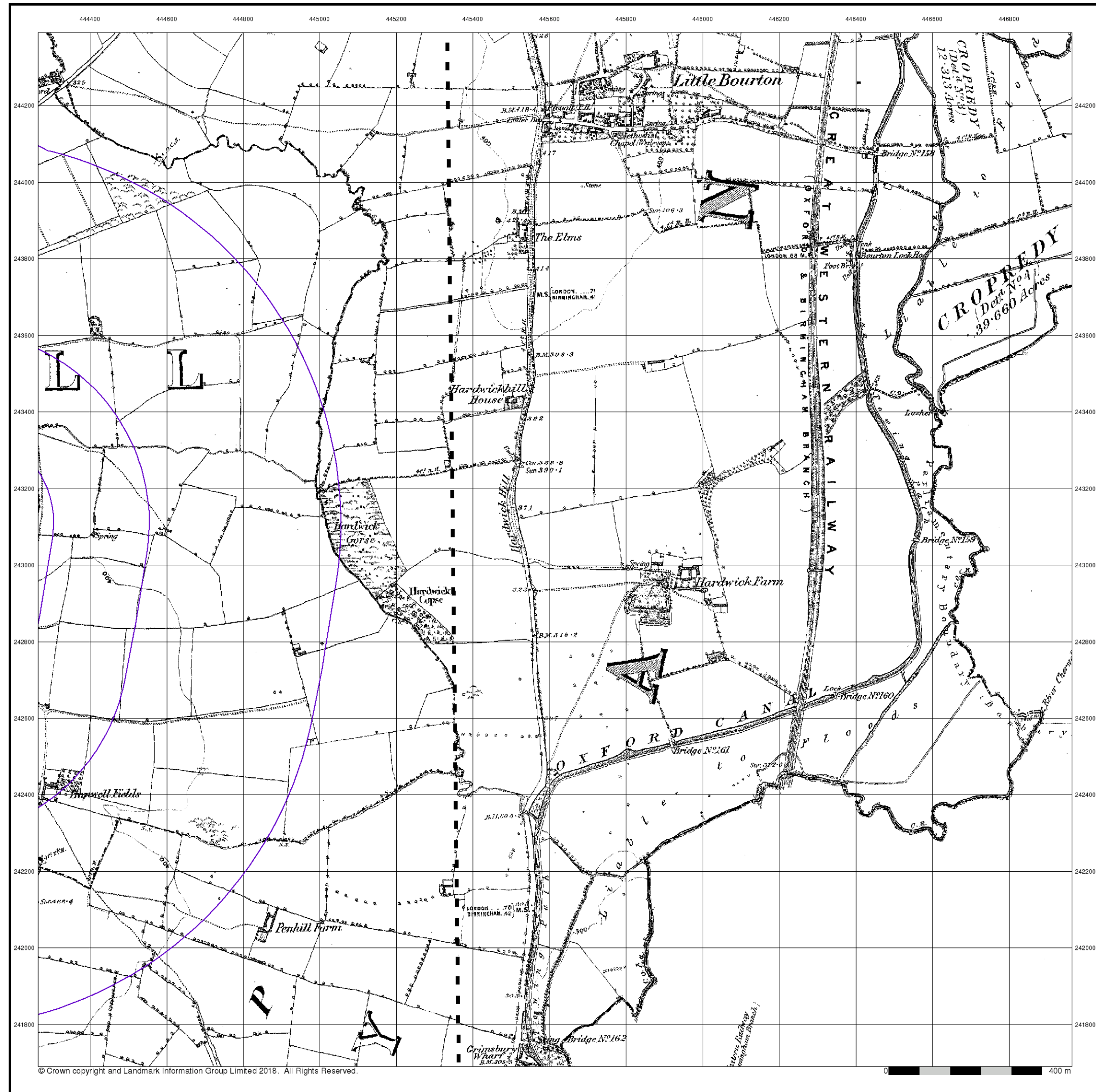
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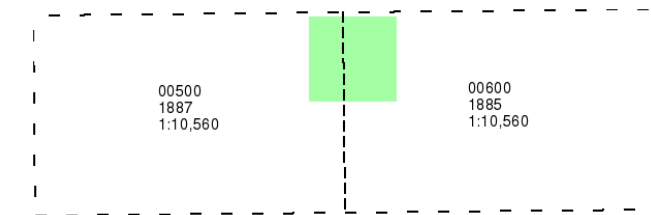
Oxfordshire

Published 1885 - 1887

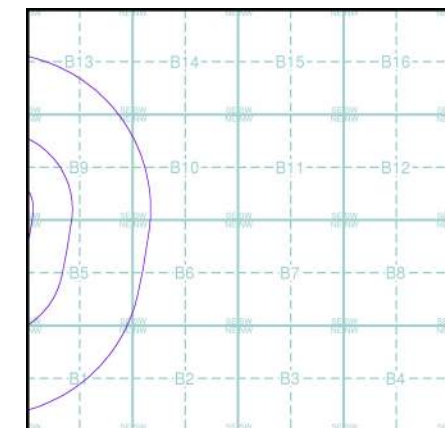
Source map scale - 1:10,560

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 B



Order Details

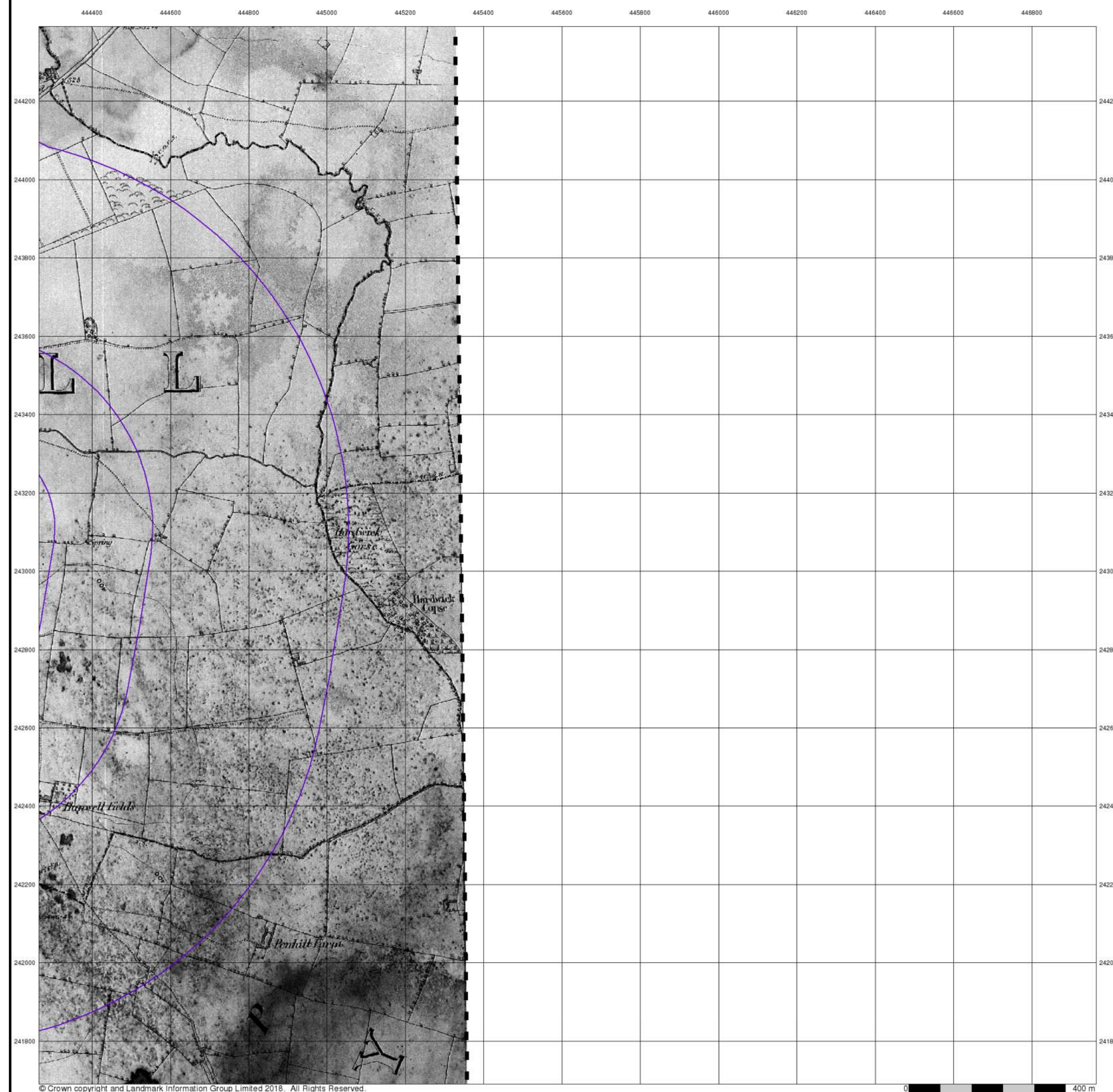
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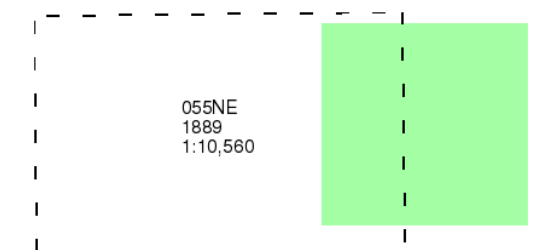
Warwickshire

Published 1889

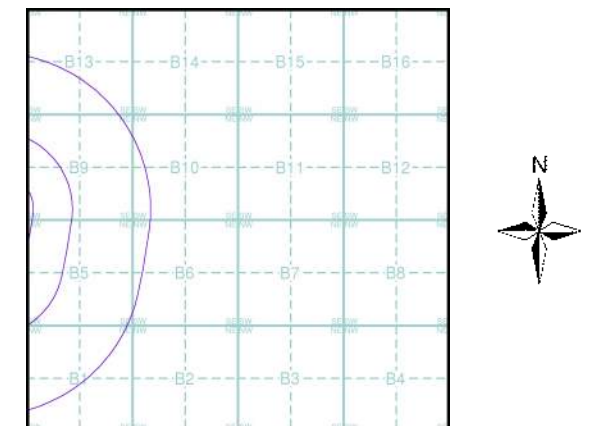
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Map Name(s) and Date(s)



Historical Map - Slice B



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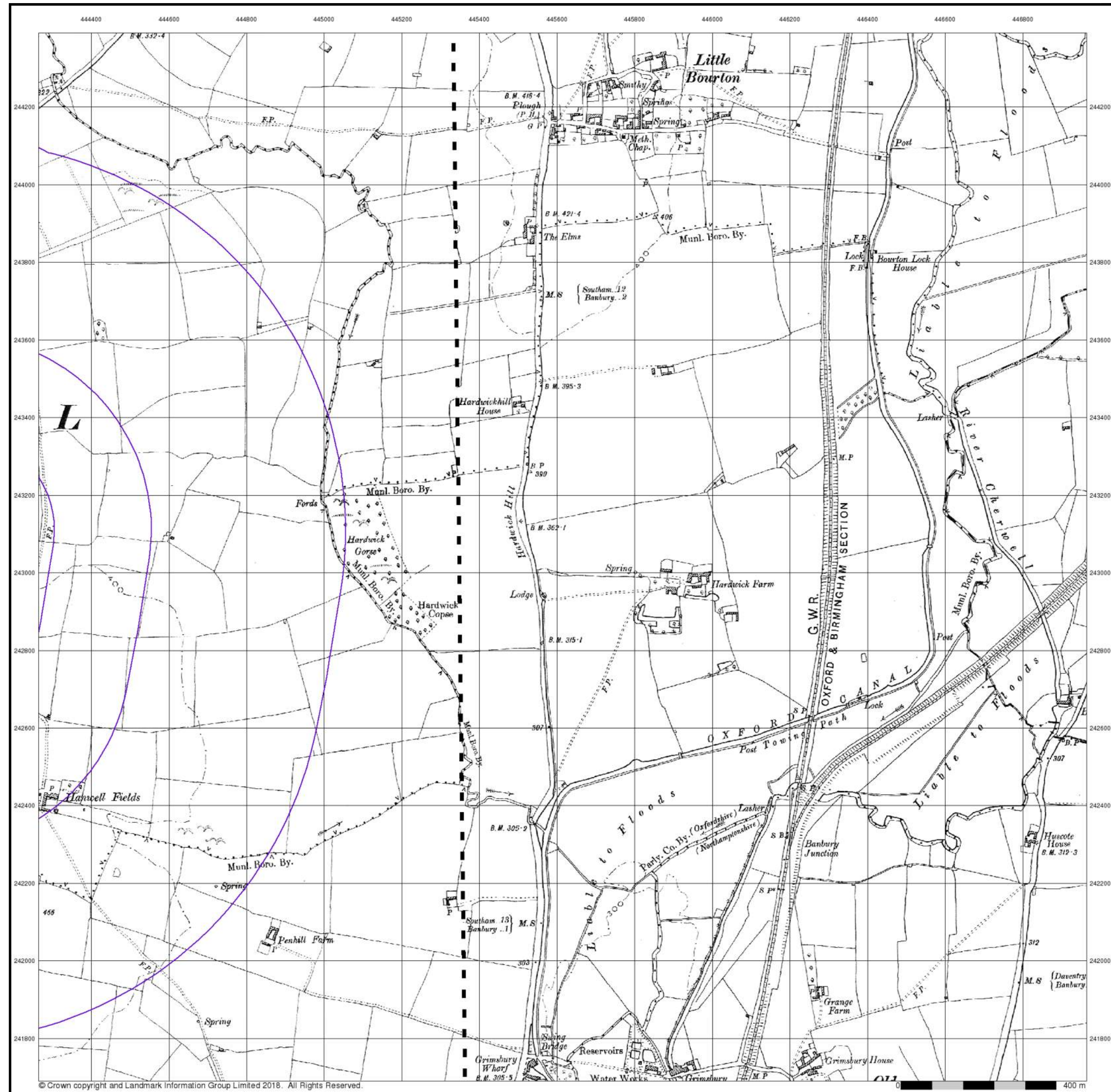
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Site Details

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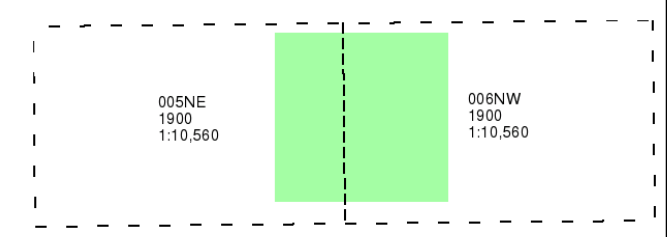
Oxfordshire

Published 1900

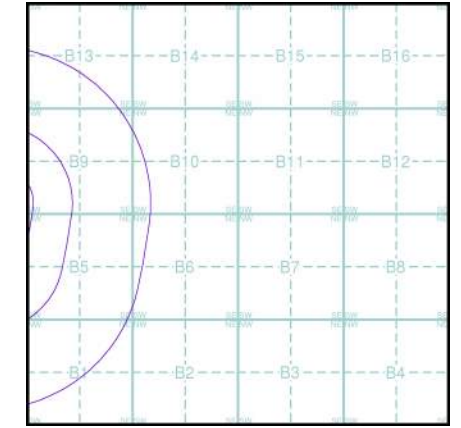
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Historical Map - Slice B



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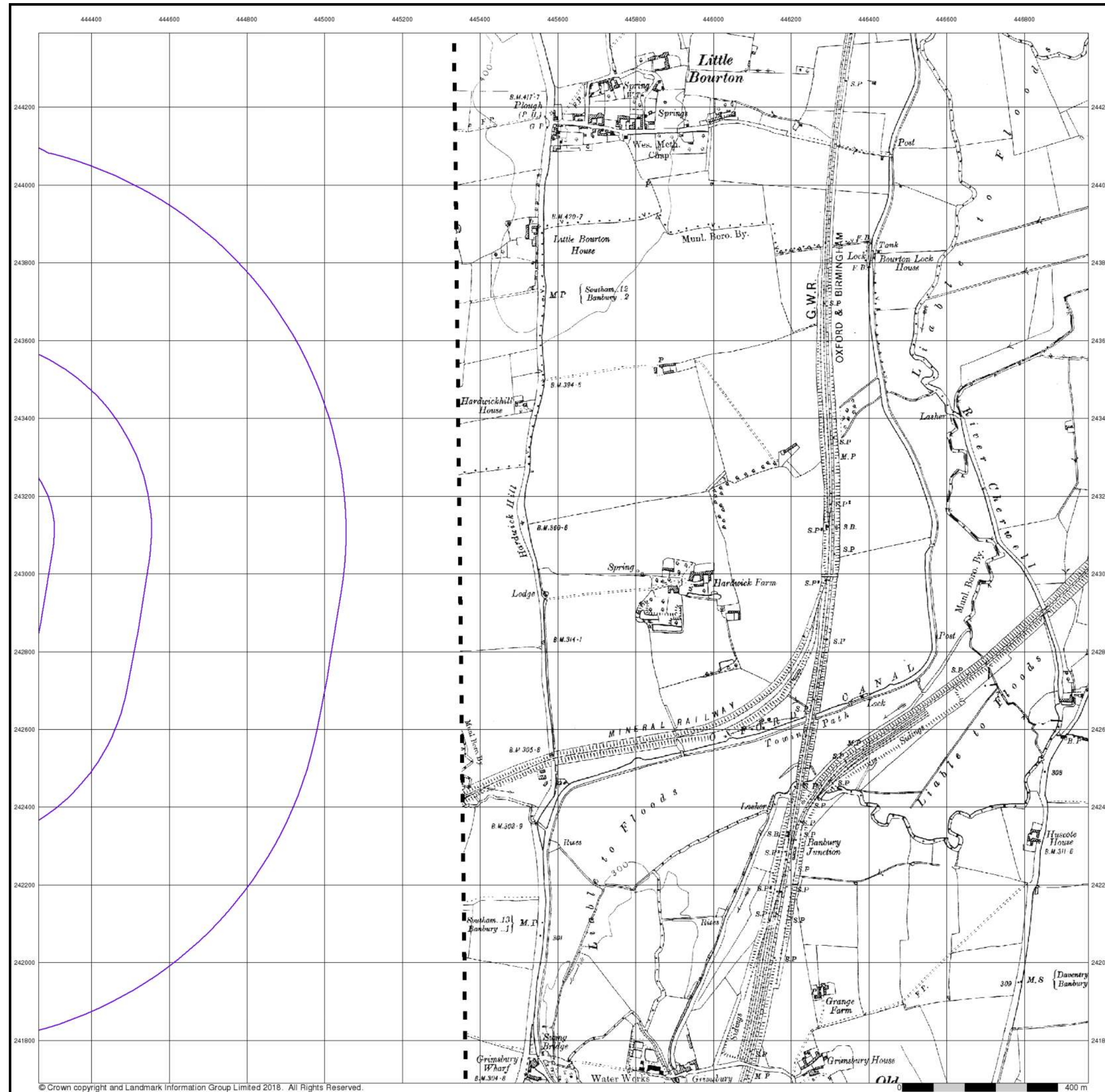
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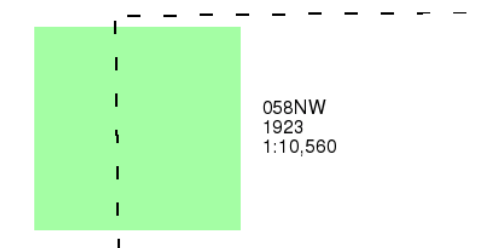
Northamptonshire

Published 1923

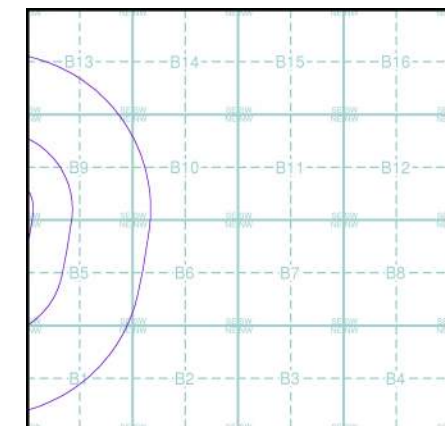
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Map Name(s) and Date(s)



Historical Map - Slice B



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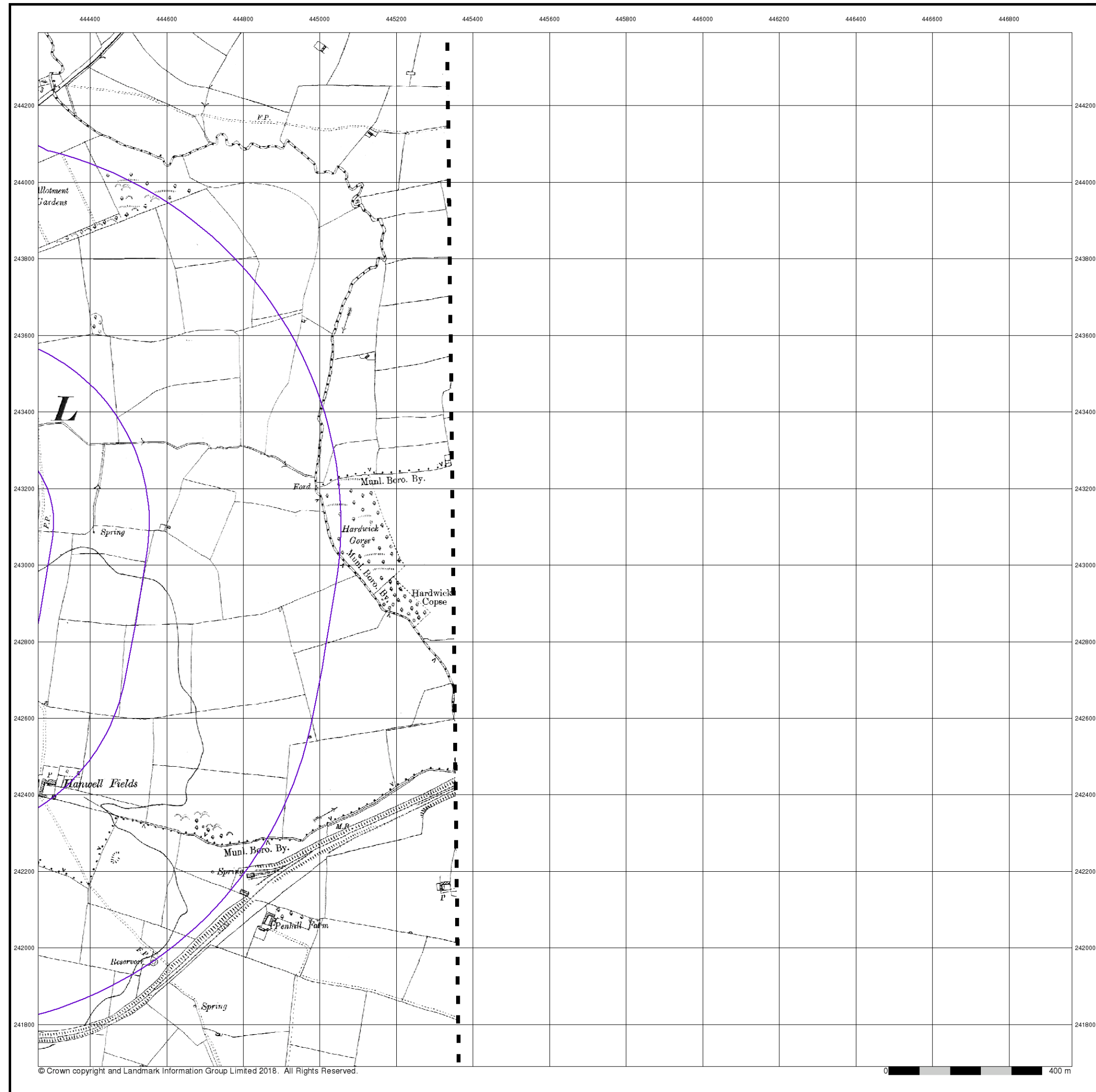
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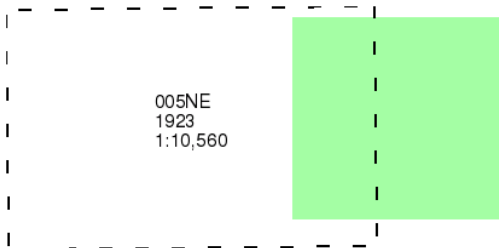
Oxfordshire

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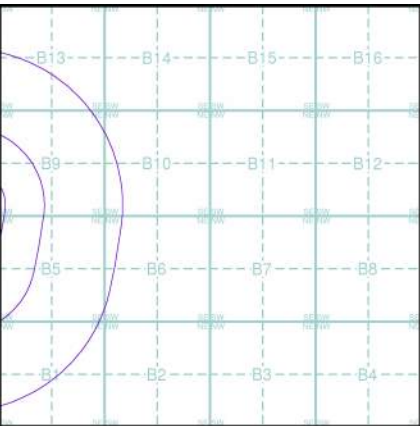
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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

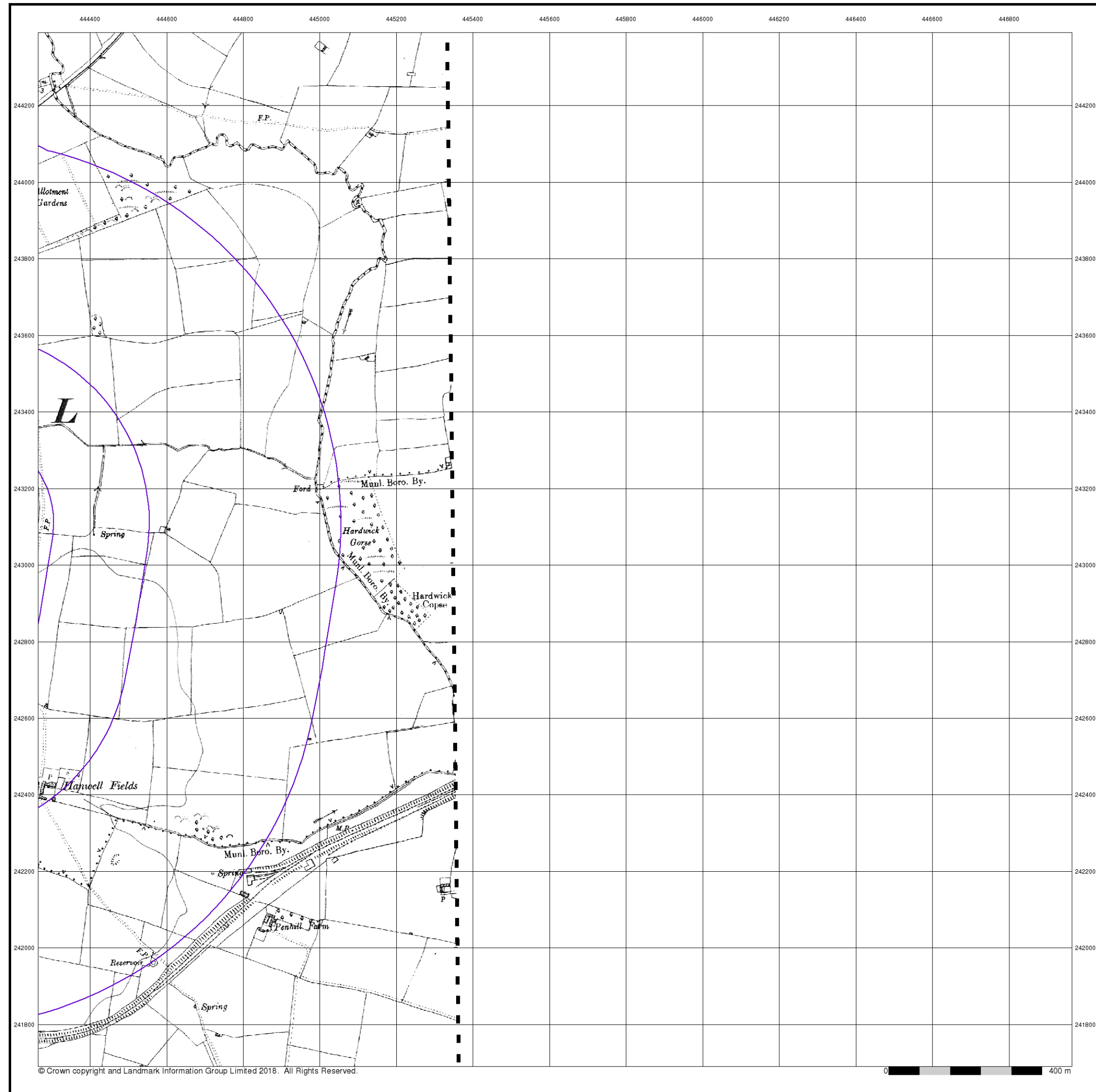
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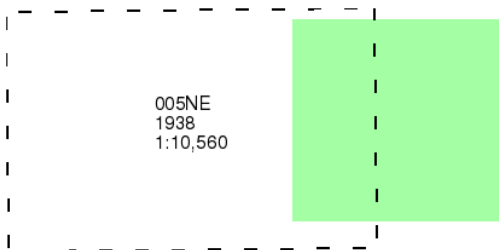
Oxfordshire

Published 1938

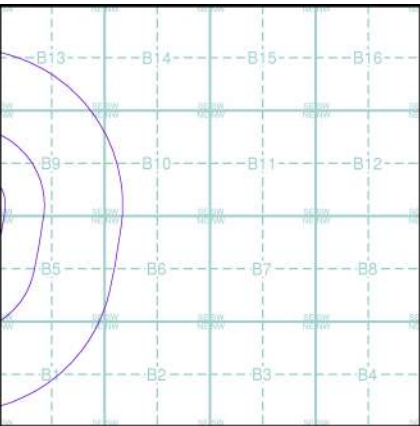
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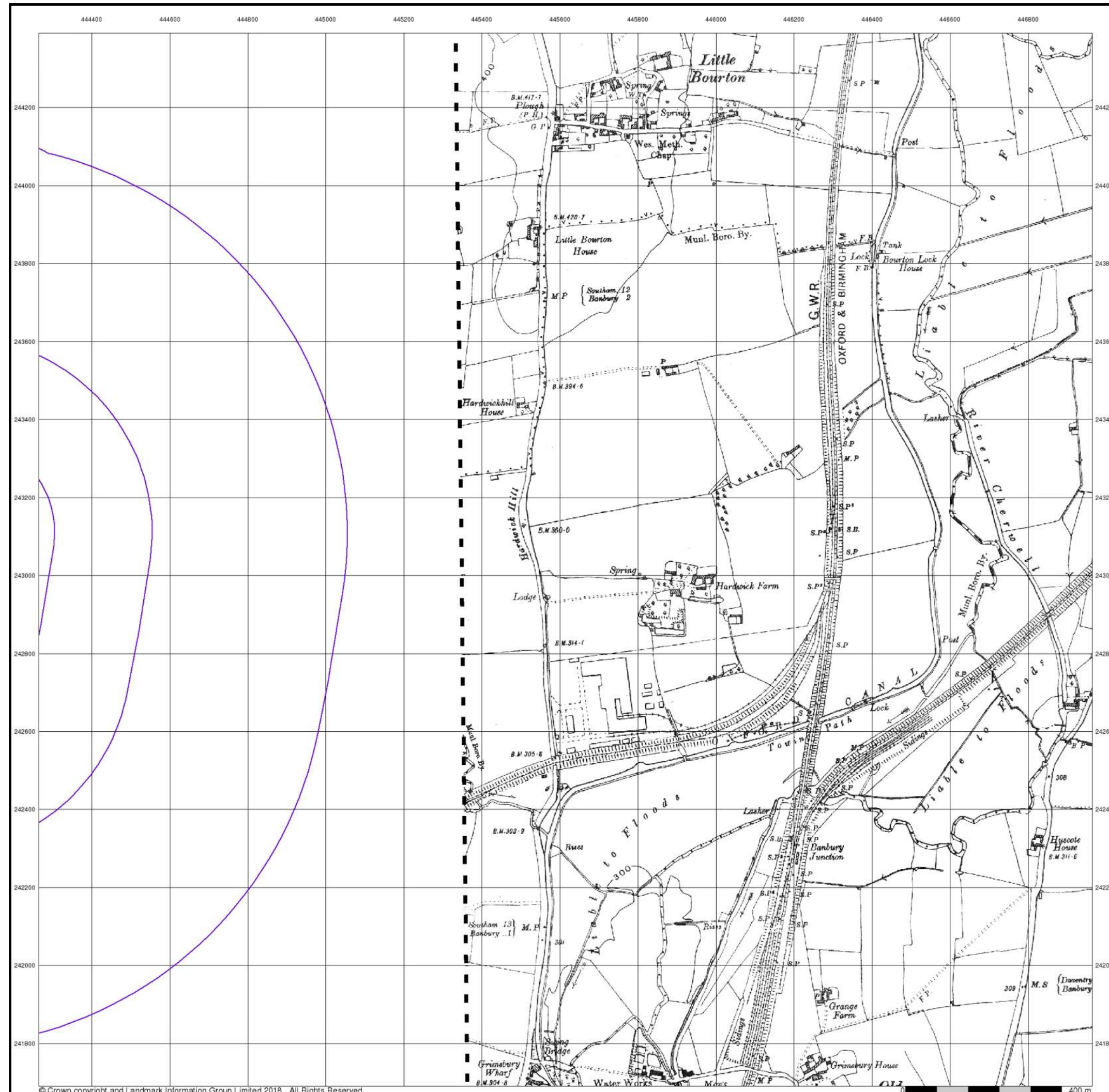
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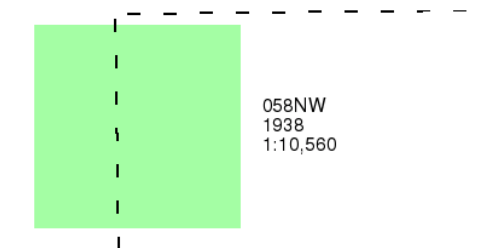
Northamptonshire

Published 1938

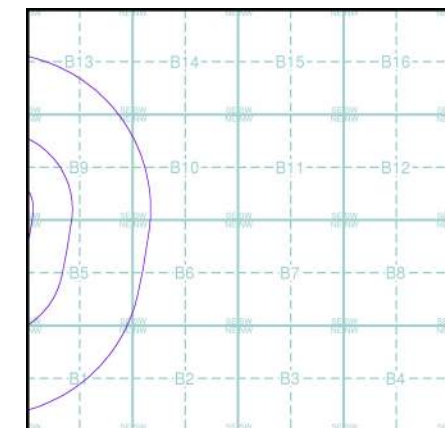
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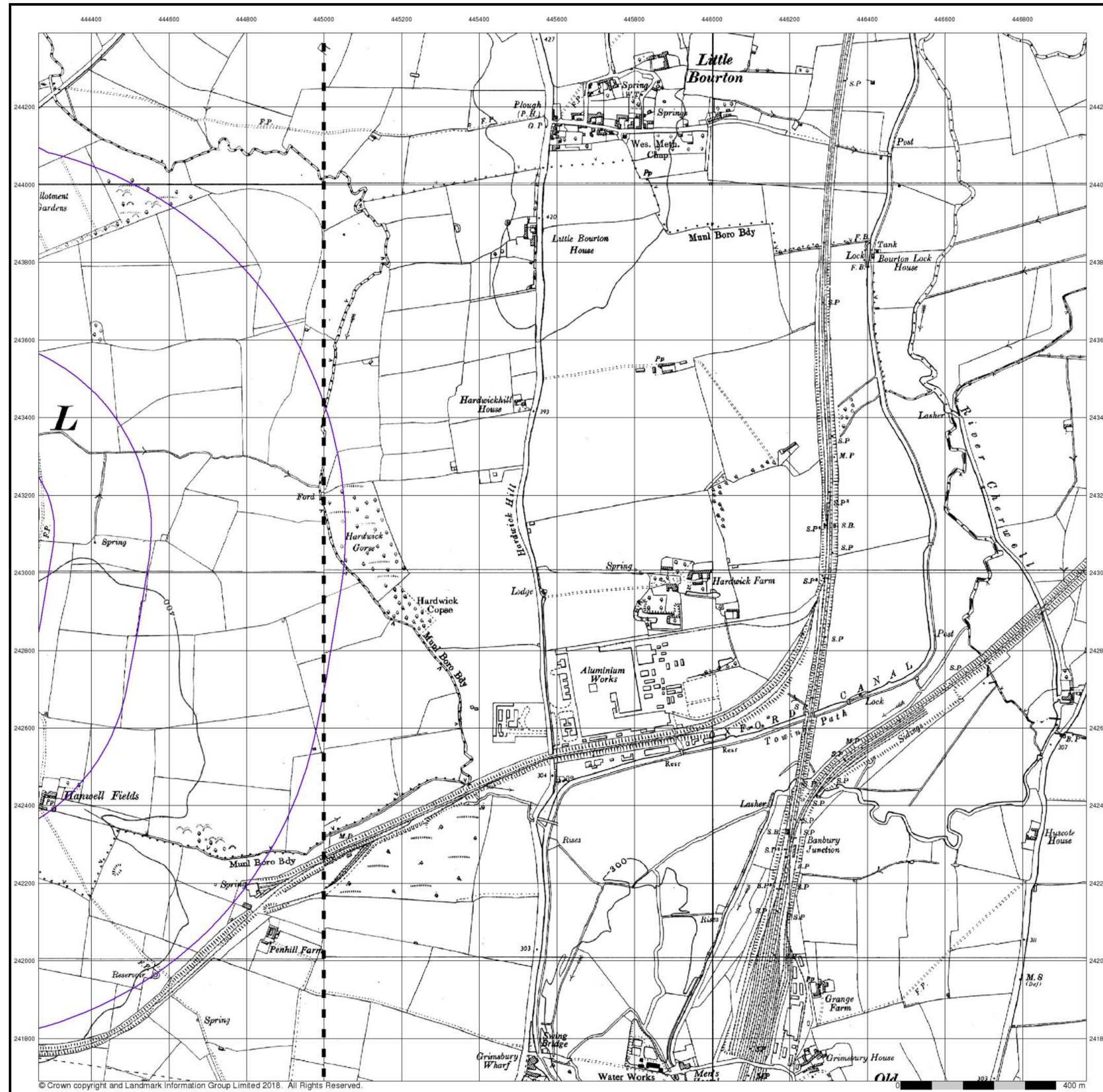
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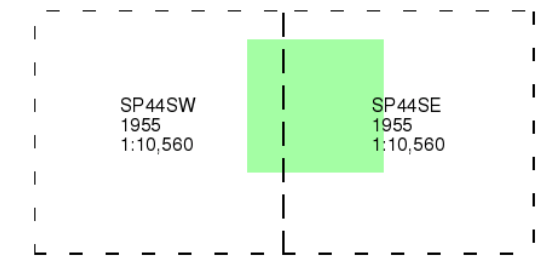
Ordnance Survey Plan

Published 1955

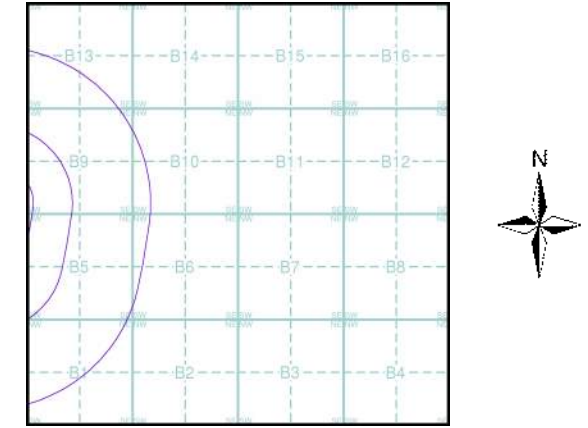
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published 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 B



Order Details

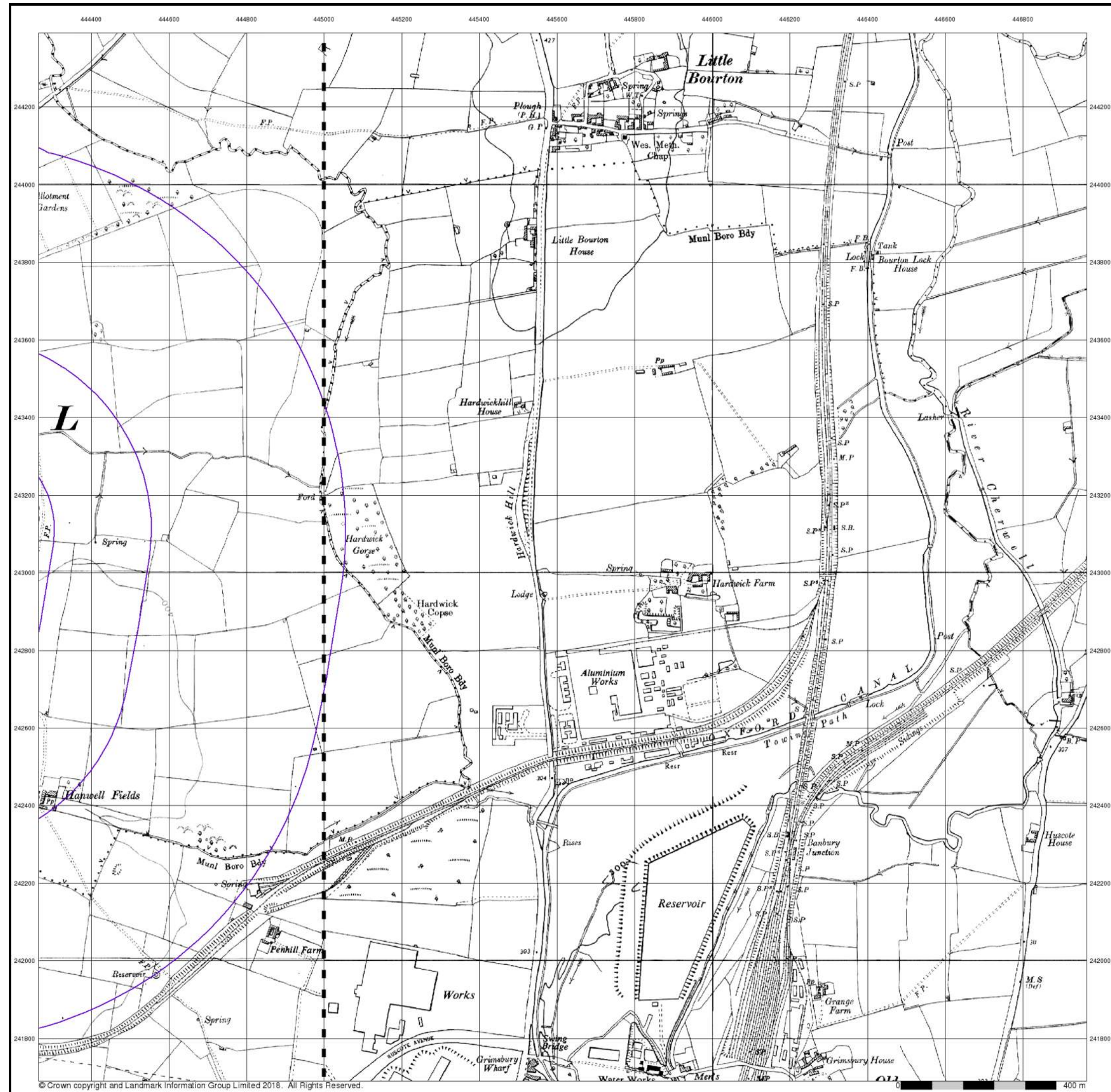
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Customer Ref: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

Warwick Road, BANBURY



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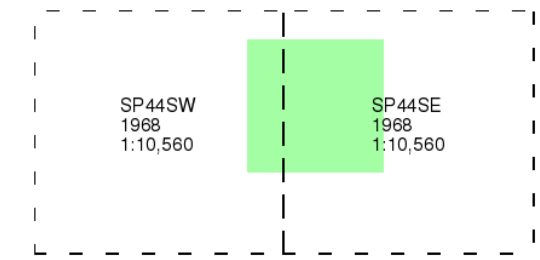
Ordnance Survey Plan

Published 1968

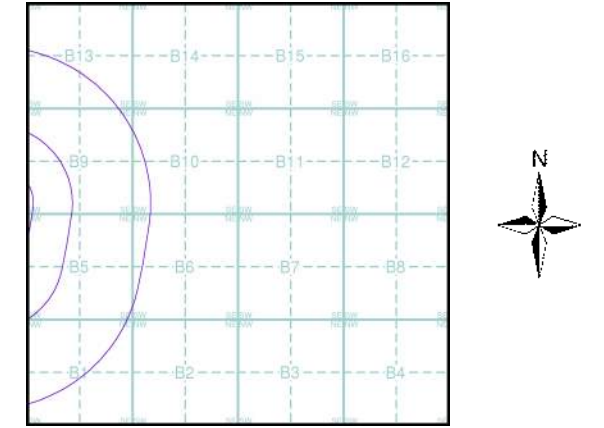
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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

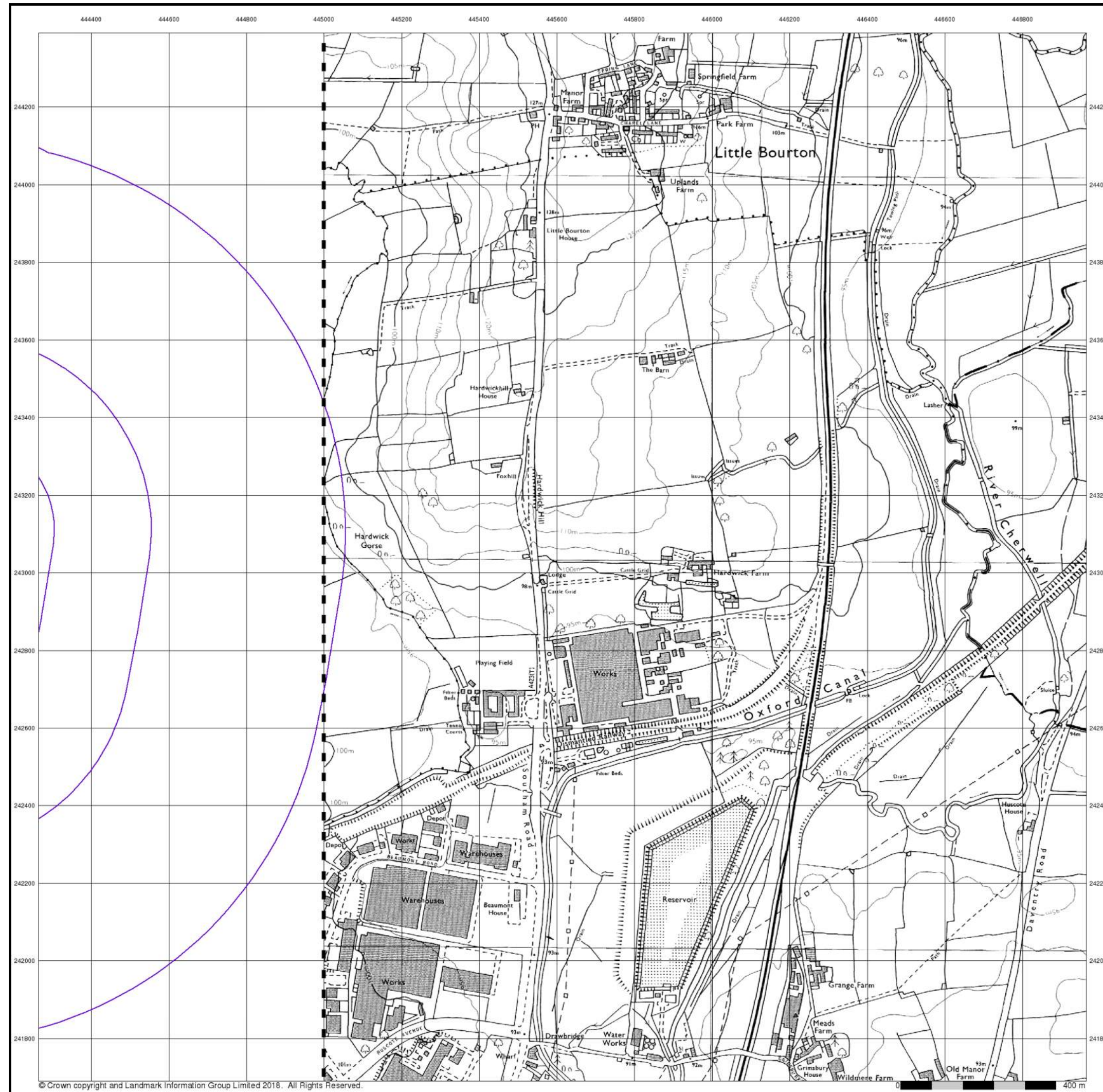
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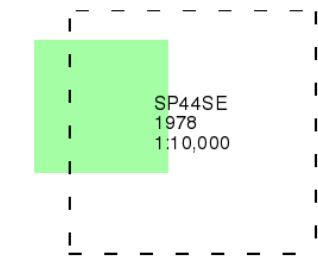
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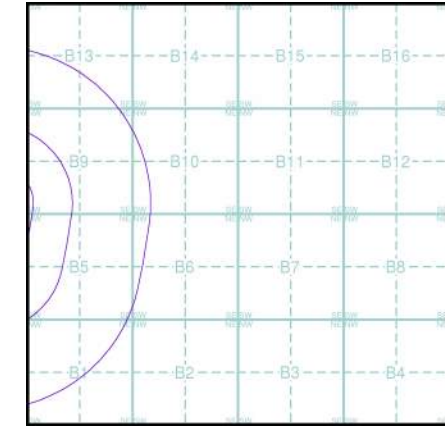
Ordnance Survey Plan
Published 1978
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

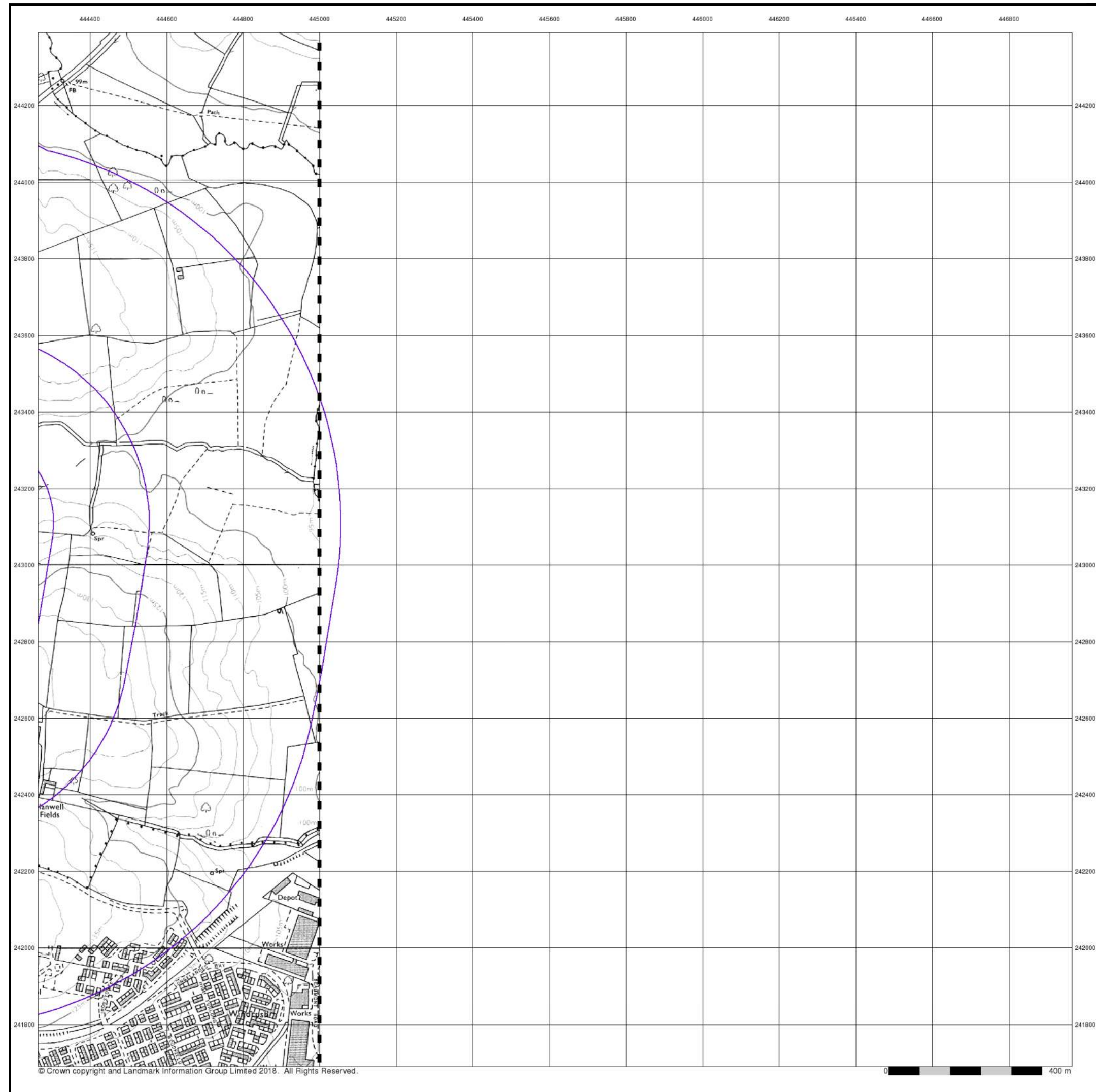
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Site Details

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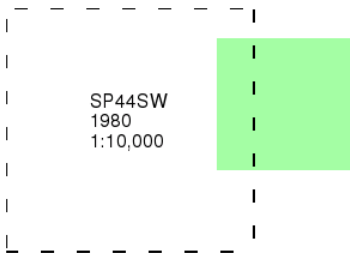
Ordnance Survey Plan

Published 1980

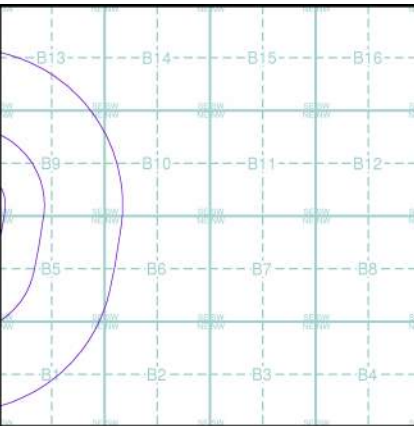
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice B



Order Details

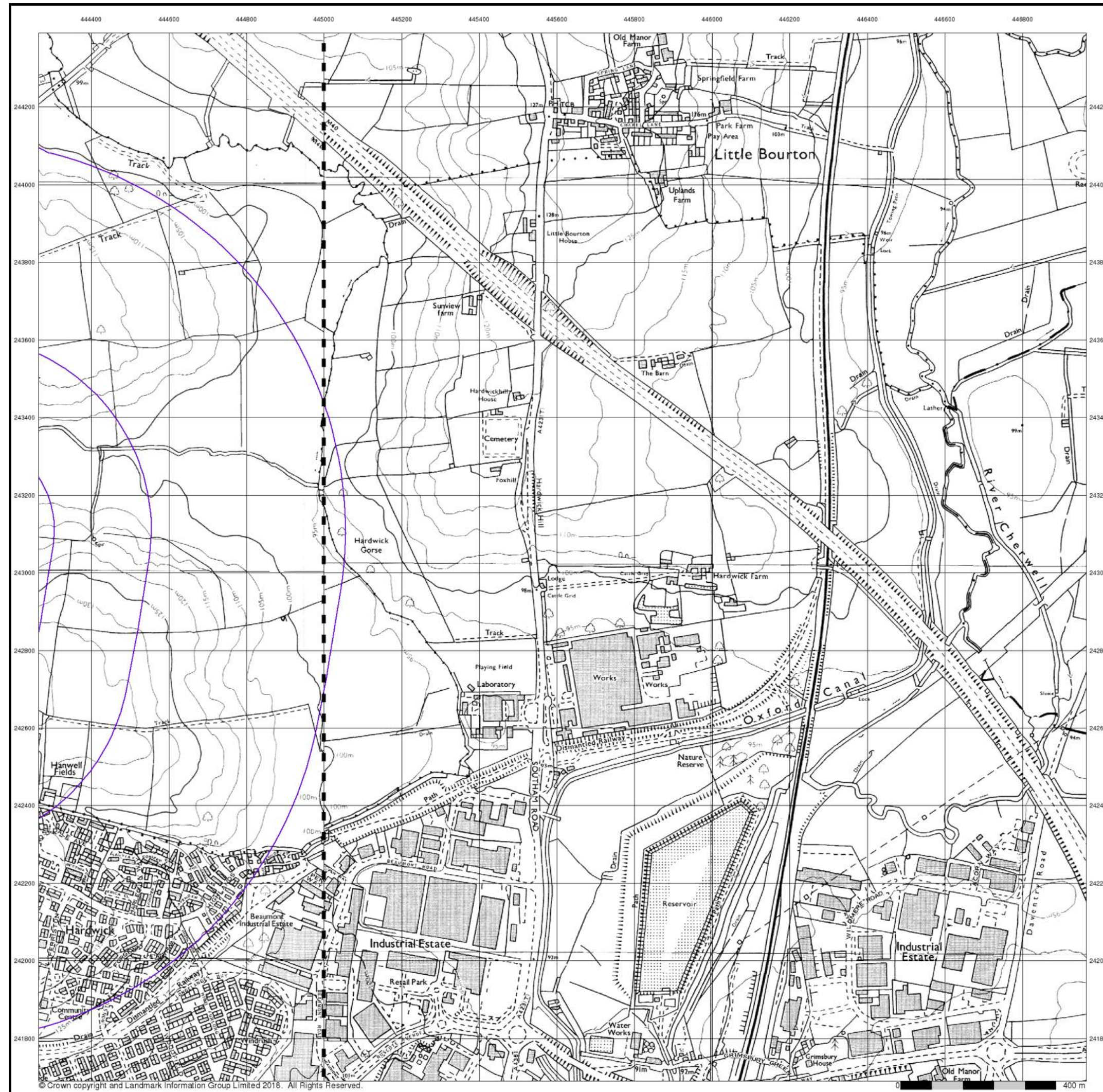
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Customer Ref: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
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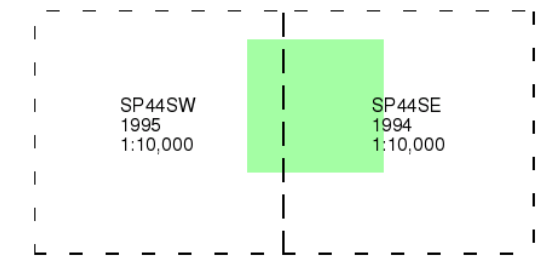
Ordnance Survey Plan

Published 1994 - 1995

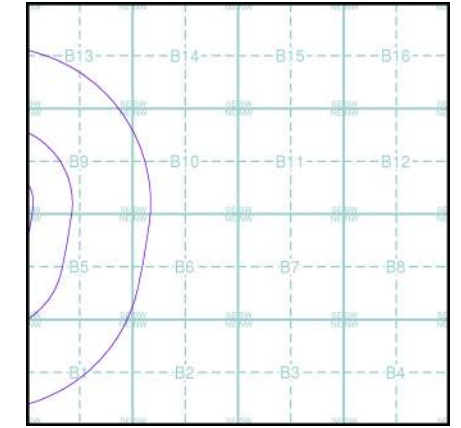
Source map scale - 1:10,000

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 B



Order Details

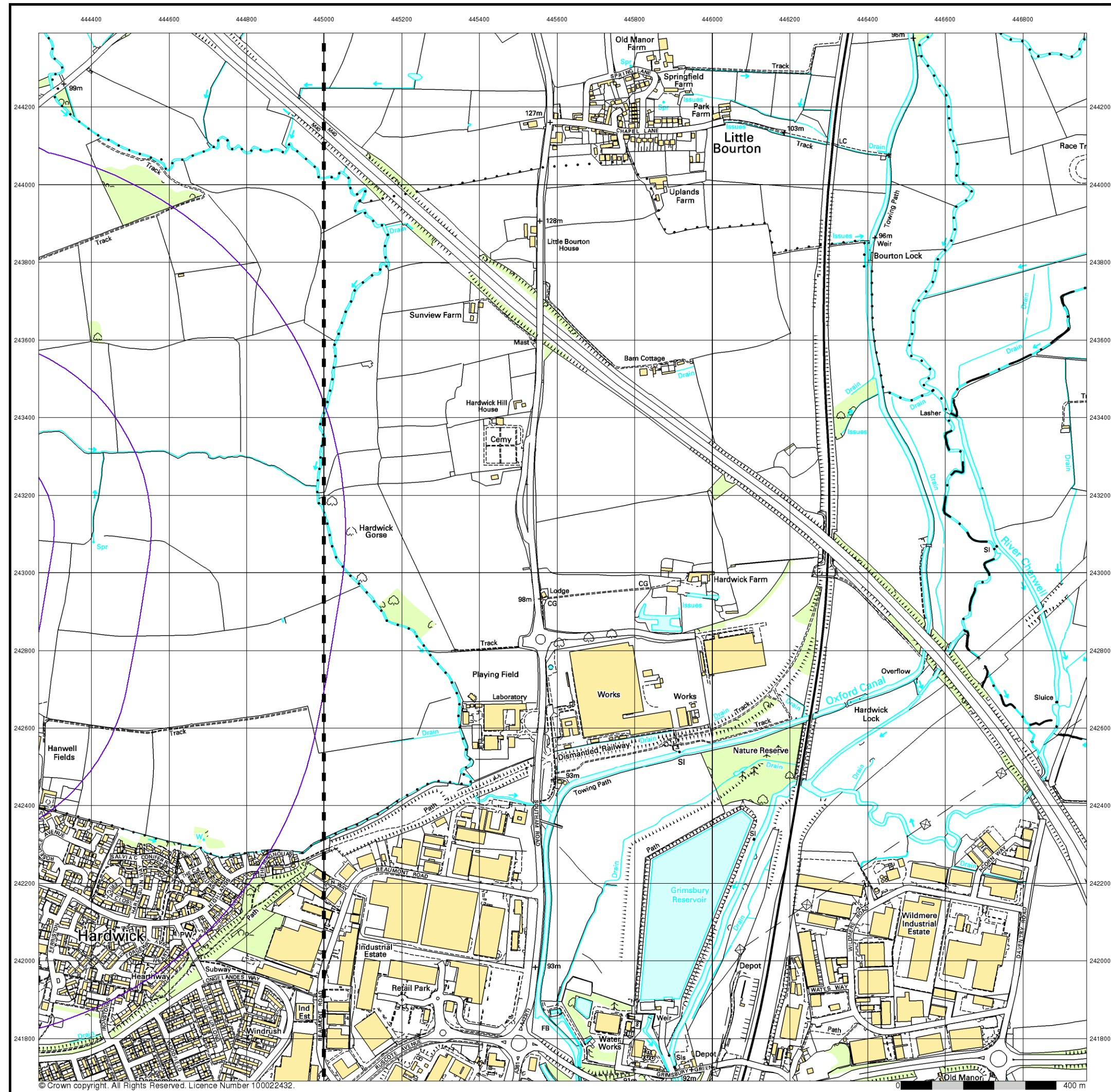
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Site Area (Ha): 22.38
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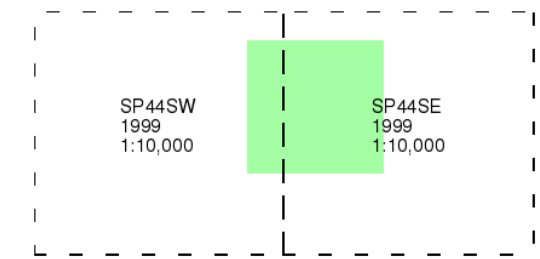
10k Raster Mapping

Published 1999

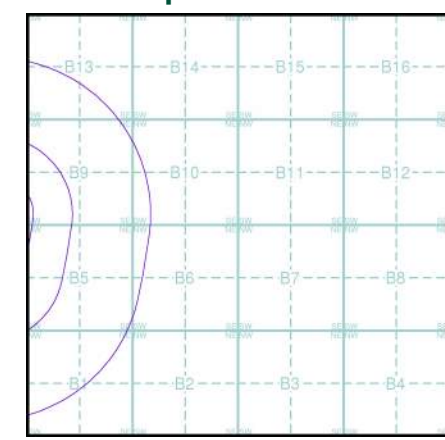
Source map scale - 1:10,000

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 B



Order Details

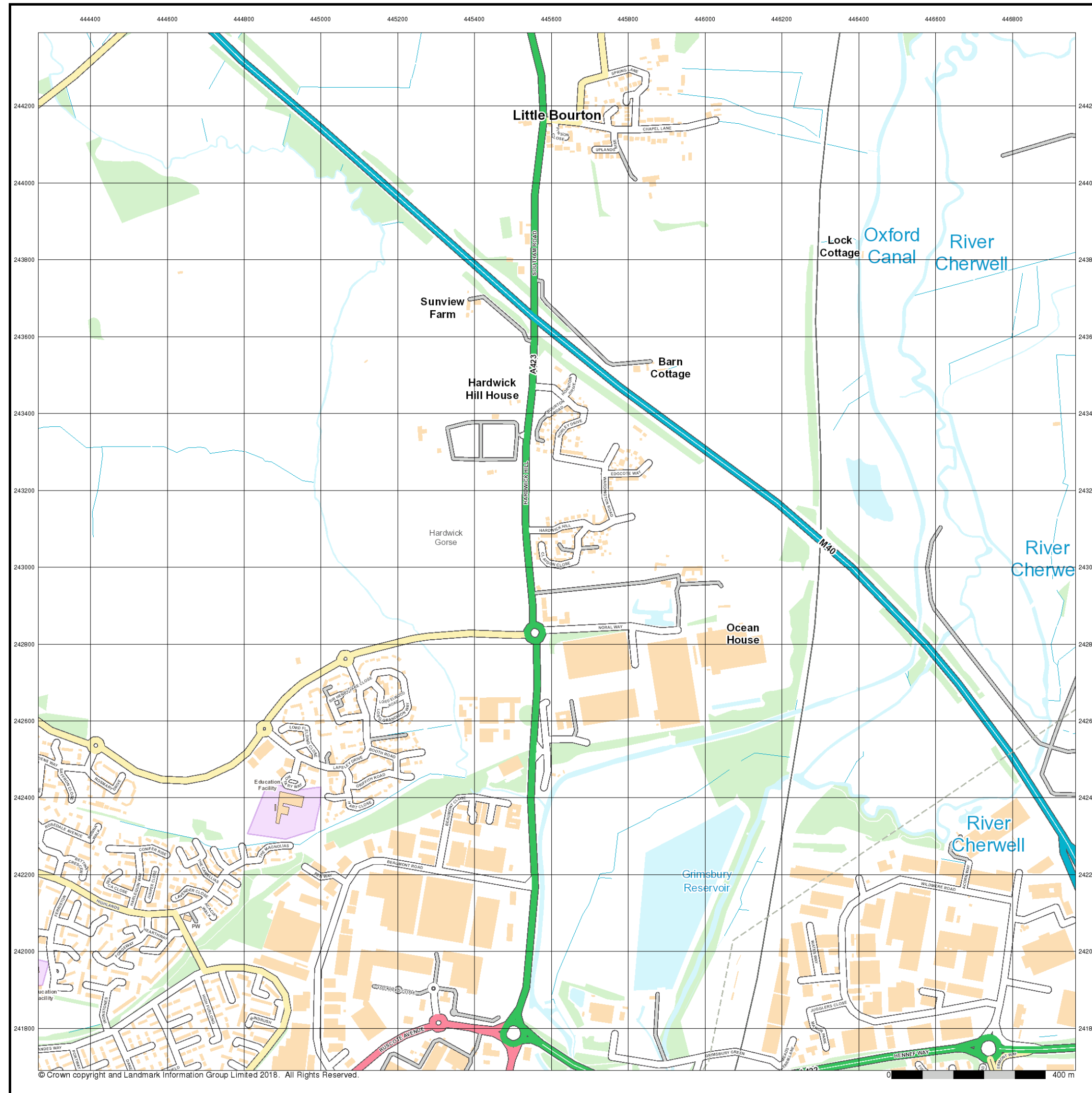
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Slice: B
Site Area (Ha): 22.38
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Site Details

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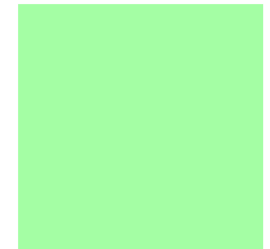
Street View

Published 2018

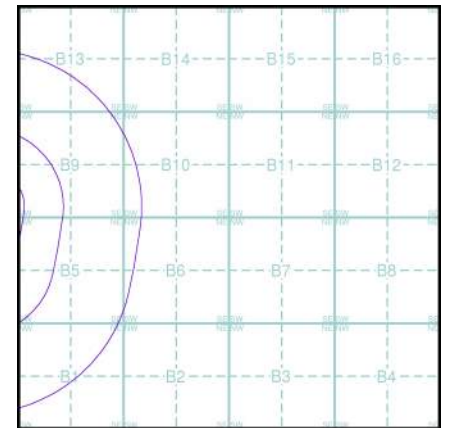
Source map scale - 1:10,000

Street View is a street-level map for the whole of Great Britain produced by the Ordnance Survey. These maps are provided at a nominal scale of 1:10,000

Map Name(s) and Date(s)



Street View Map - Slice B



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 444600, 242980
Slice: B
Site Area (Ha): 22.38
Search Buffer (m): 1000

Site Details

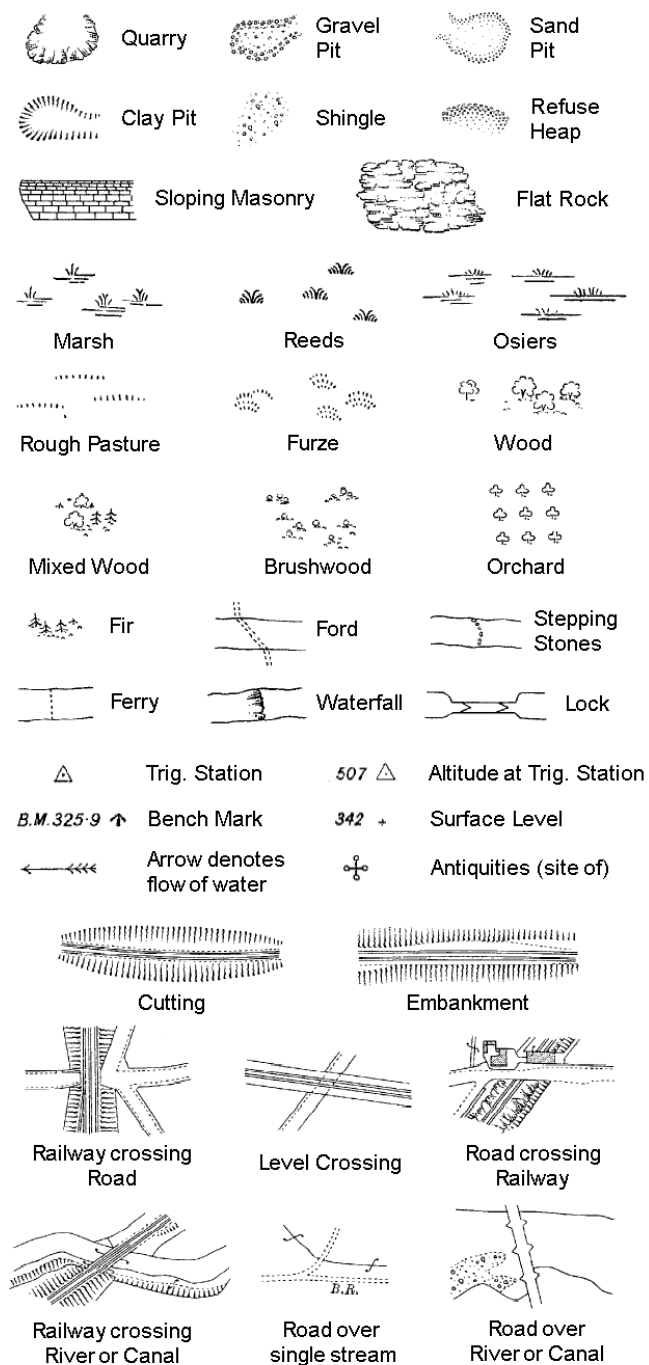
Warwick Road, BANBURY



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Fax: 0844 844 9951
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Historical Mapping Legends

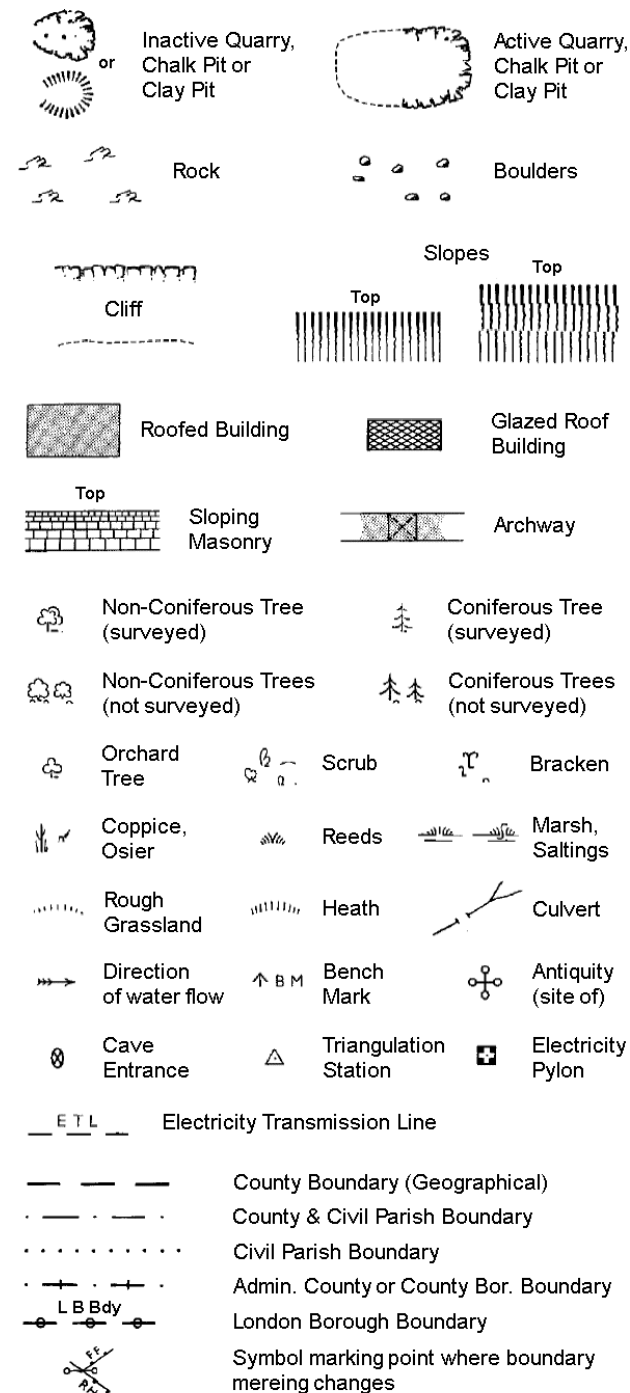
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



— — — — —	County Boundary (Geographical)
- . - . - . -	County & Civil Parish Boundary
+ . + . + . +	Administrative County & Civil Parish Boundary
— — — — —	County Borough Boundary (England)
Co. Boro. Bdy.	
— — — — —	County Burgh Boundary (Scotland)
Co. Burgh Bdy.	

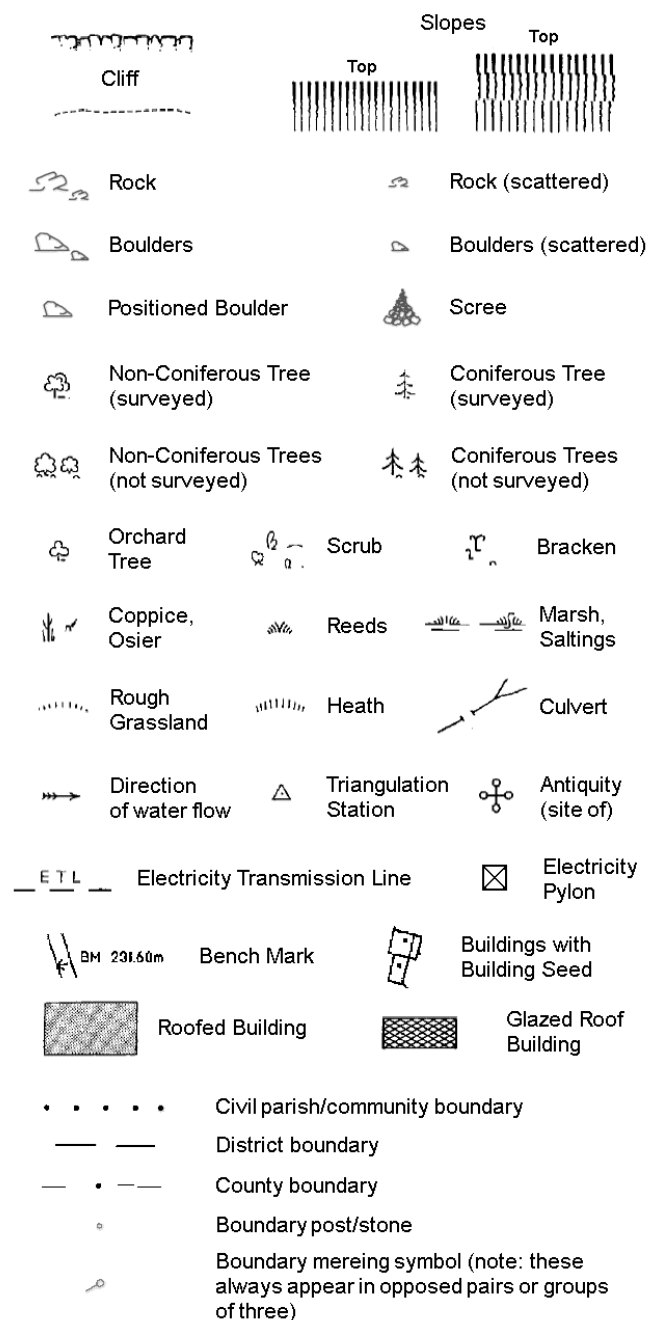
<i>B.P.B.S.</i>	Boundary Post or Stone	<i>P.C.B.</i>	Police Call Box
<i>B.R.</i>	Bridle Road	<i>P.</i>	Pump
<i>E.P.</i>	Electricity Pylon	<i>S.P.</i>	Signal Post
<i>F.B.</i>	Foot Bridge	<i>Sl.</i>	Sluice
<i>F.P.</i>	Foot Path	<i>Sp.</i>	Spring
<i>G.P.</i>	Guide Post or Board	<i>T.C.B.</i>	Telephone Call Box
<i>M.S.</i>	Mile Stone	<i>Tr.</i>	Trough
<i>M.P.M.R.</i>	Mooring Post or Ring	<i>W.</i>	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information



BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, WrT	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

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



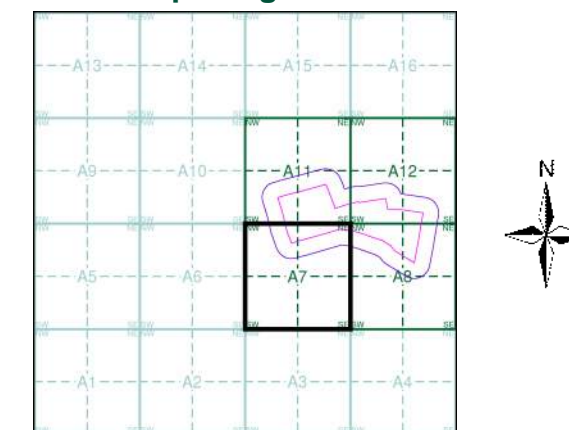
Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtdd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governor	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Page
Warwickshire	1:2,500	1882	2
Oxfordshire	1:2,500	1882	3
Oxfordshire	1:2,500	1900 - 1905	4
Oxfordshire	1:2,500	1922	5
Ordnance Survey Plan	1:2,500	1972	6
Ordnance Survey Plan	1:1,250	1985	7
Additional SIMs	1:1,250	1985	8
Additional SIMs	1:1,250	1985	9
Additional SIMs	1:2,500	1986 - 1990	10
Additional SIMs	1:1,250	1986	11
Additional SIMs	1:1,250	1986	12
Additional SIMs	1:2,500	1990	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:2,500	1993	15

Historical Map - Segment A7

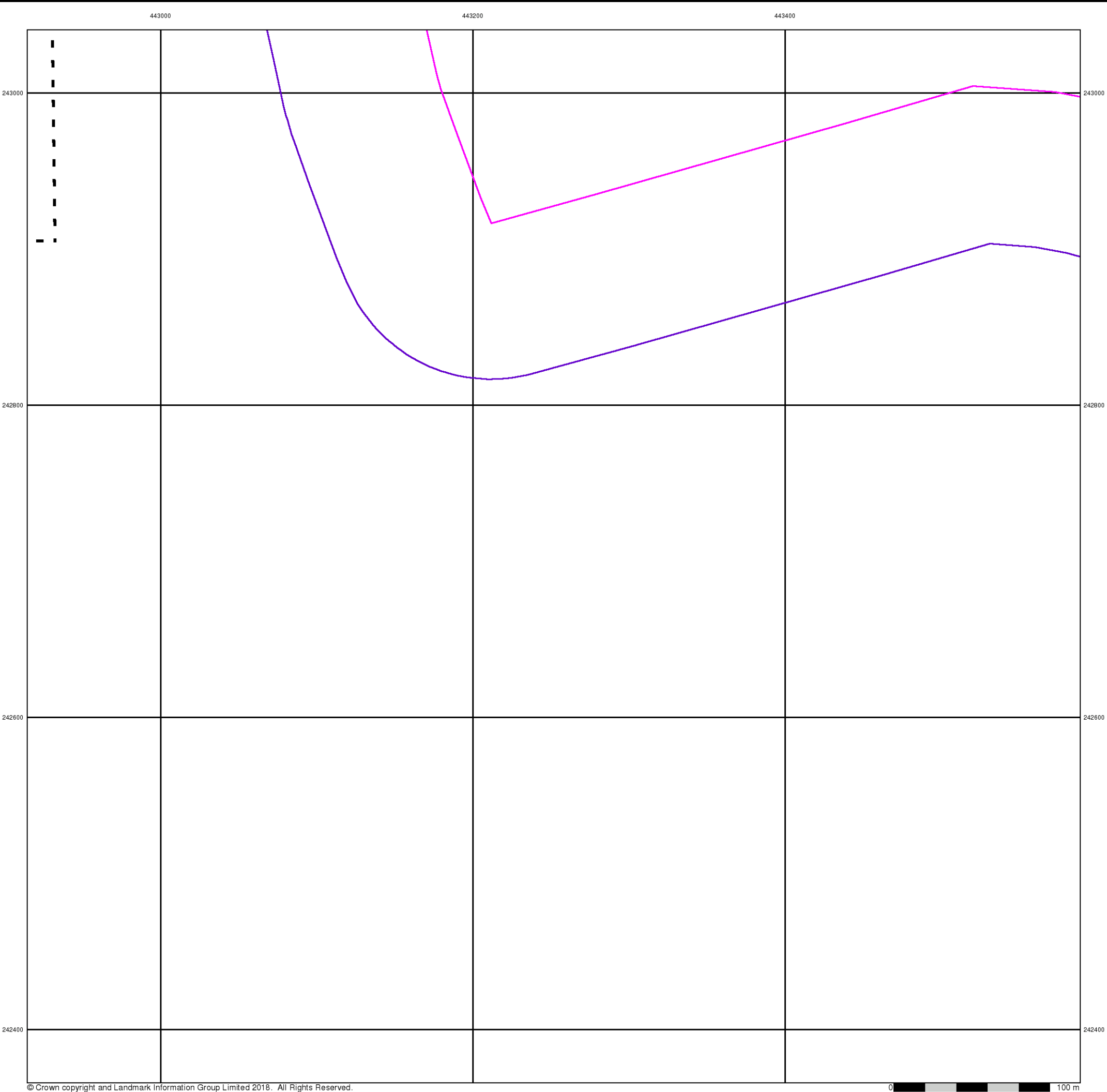


Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

Warwick Road, BANBURY



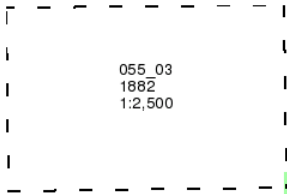
Warwickshire

Published 1882

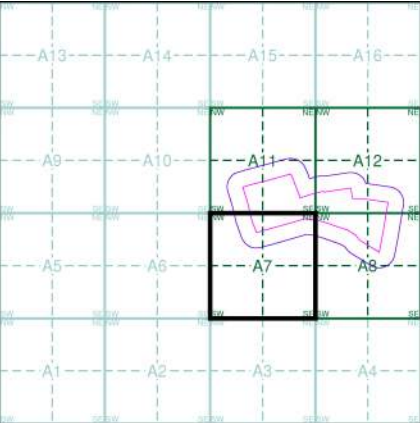
Source map scale - 1:2,500

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 A7



Order Details

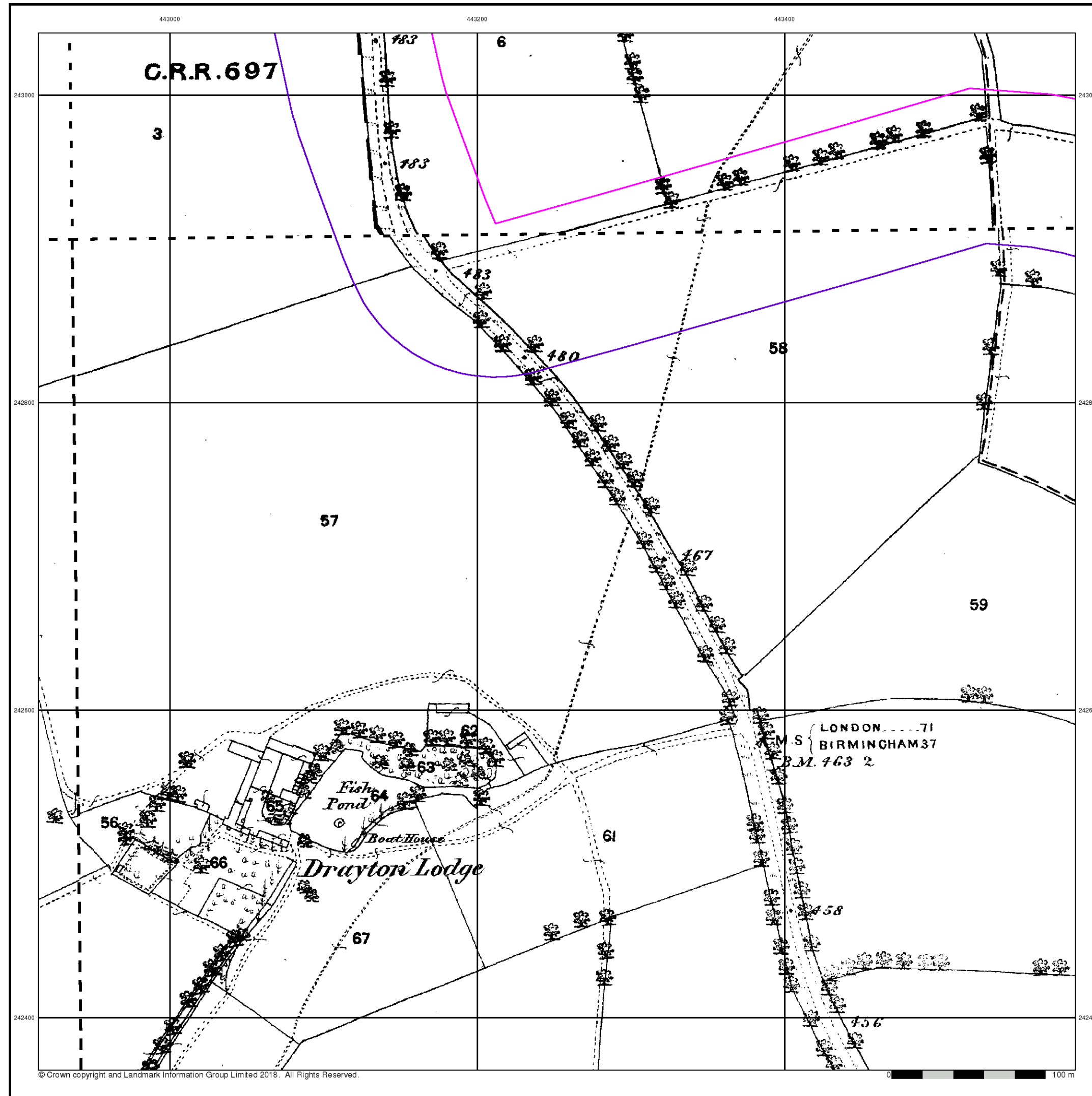
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Oxfordshire

Published 1882

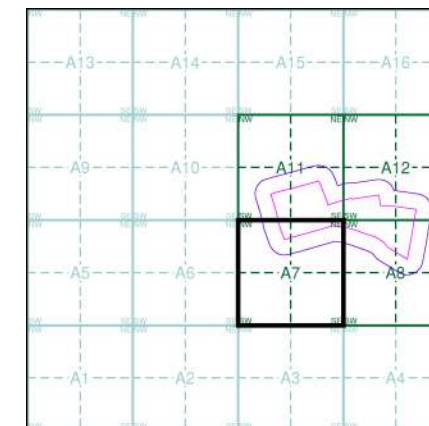
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Map Name(s) and Date(s)

005_03 1882 1:2,500	005_04 1882 1:2,500
005_07 1882 1:2,500	005_08 1882 1:2,500

Historical Map - Segment A7



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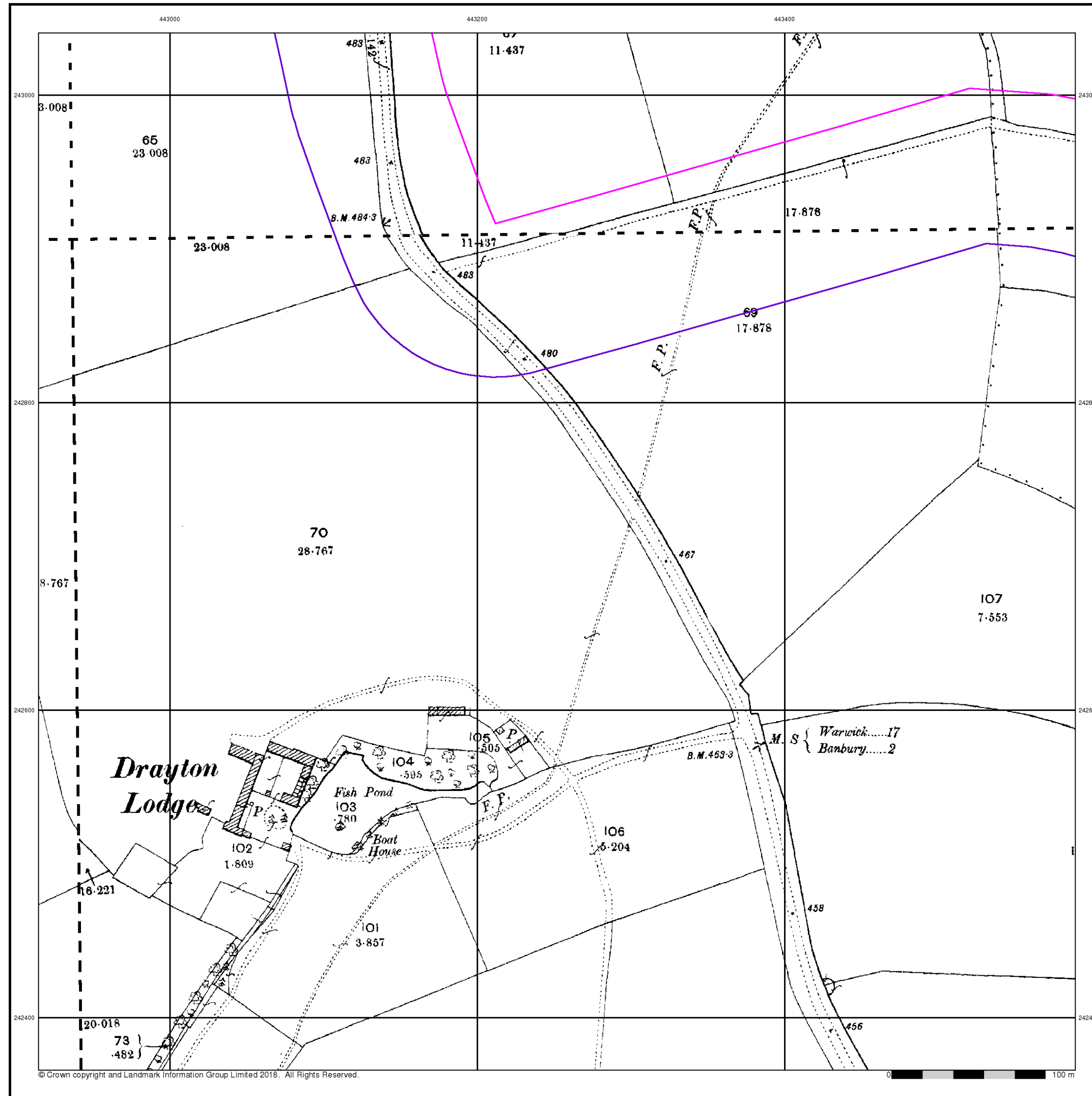
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Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
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Landmark
INFORMATION GROUP

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Oxfordshire

Published 1900 - 1905

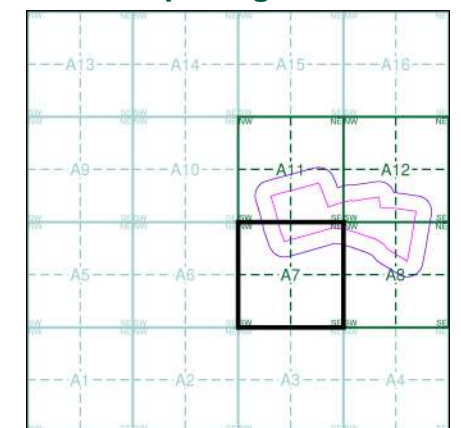
Source map scale - 1:2,500

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Map Name(s) and Date(s)

005_03 1905 1:2,500	005_04 1900 1:2,500
005_07 1900 1:2,500	005_08 1900 1:2,500

Historical Map - Segment A7



Order Details

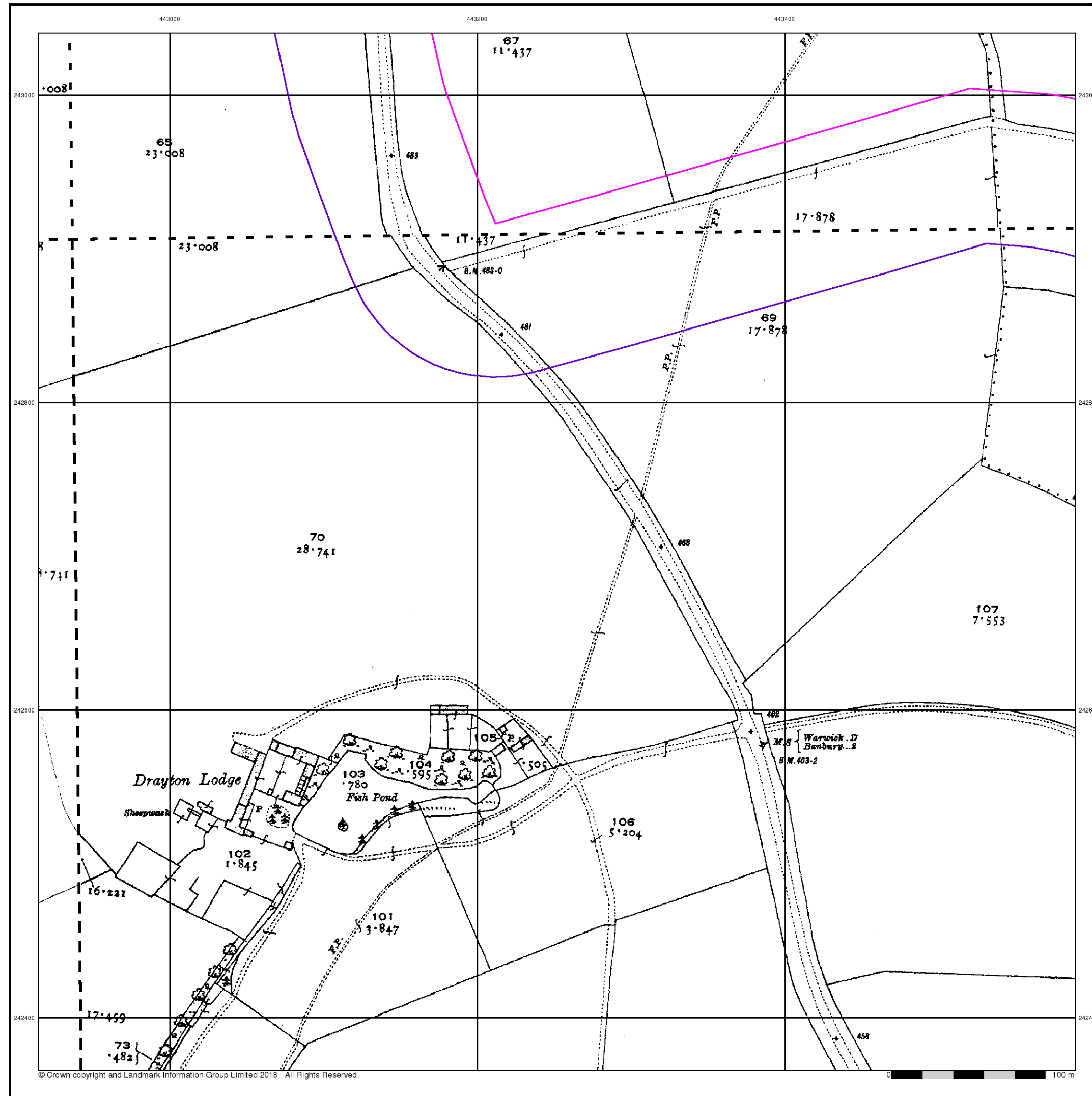
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Oxfordshire

Published 1922

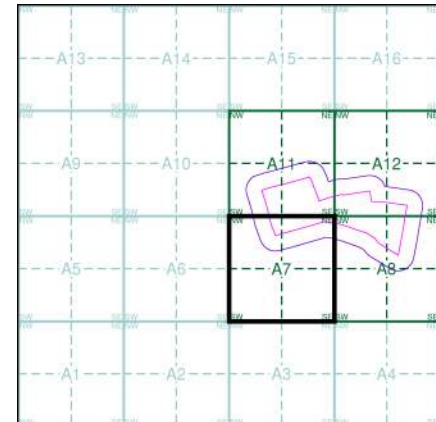
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Map Name(s) and Date(s)

005_03 1922 1:2,500	005_04 1922 1:2,500
005_07 1922 1:2,500	005_08 1922 1:2,500

Historical Map - Segment A7



Order Details

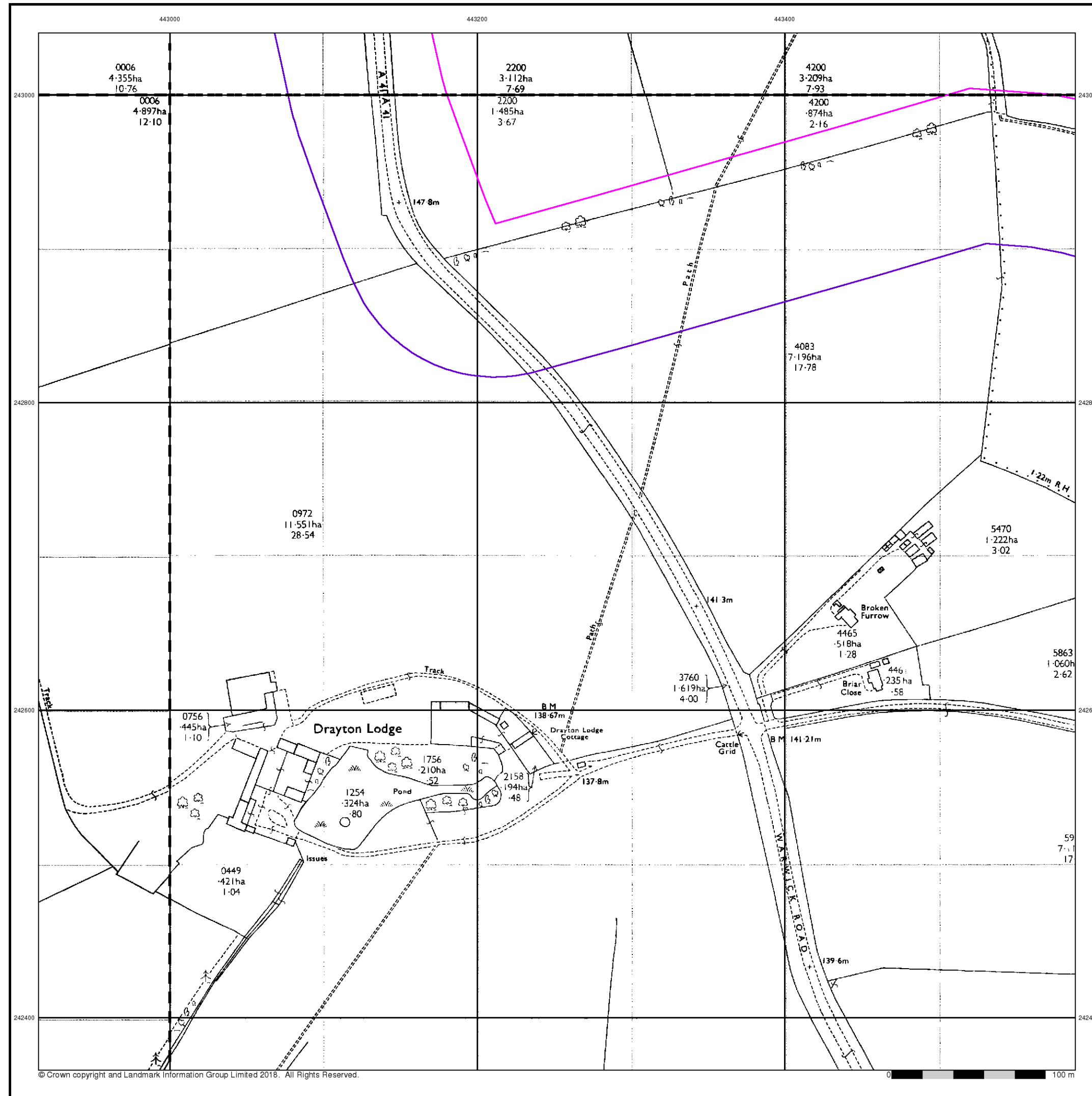
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Ordnance Survey Plan

Published 1972

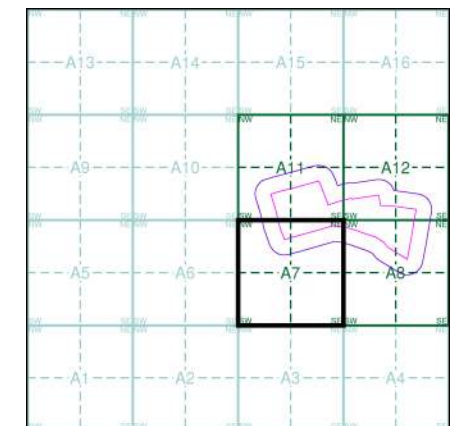
Source map scale - 1:2,500

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Map Name(s) and Date(s)

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SP4242 1972 12,500	SP4342 1972 12,500

Historical Map - Segment A7



Order Details

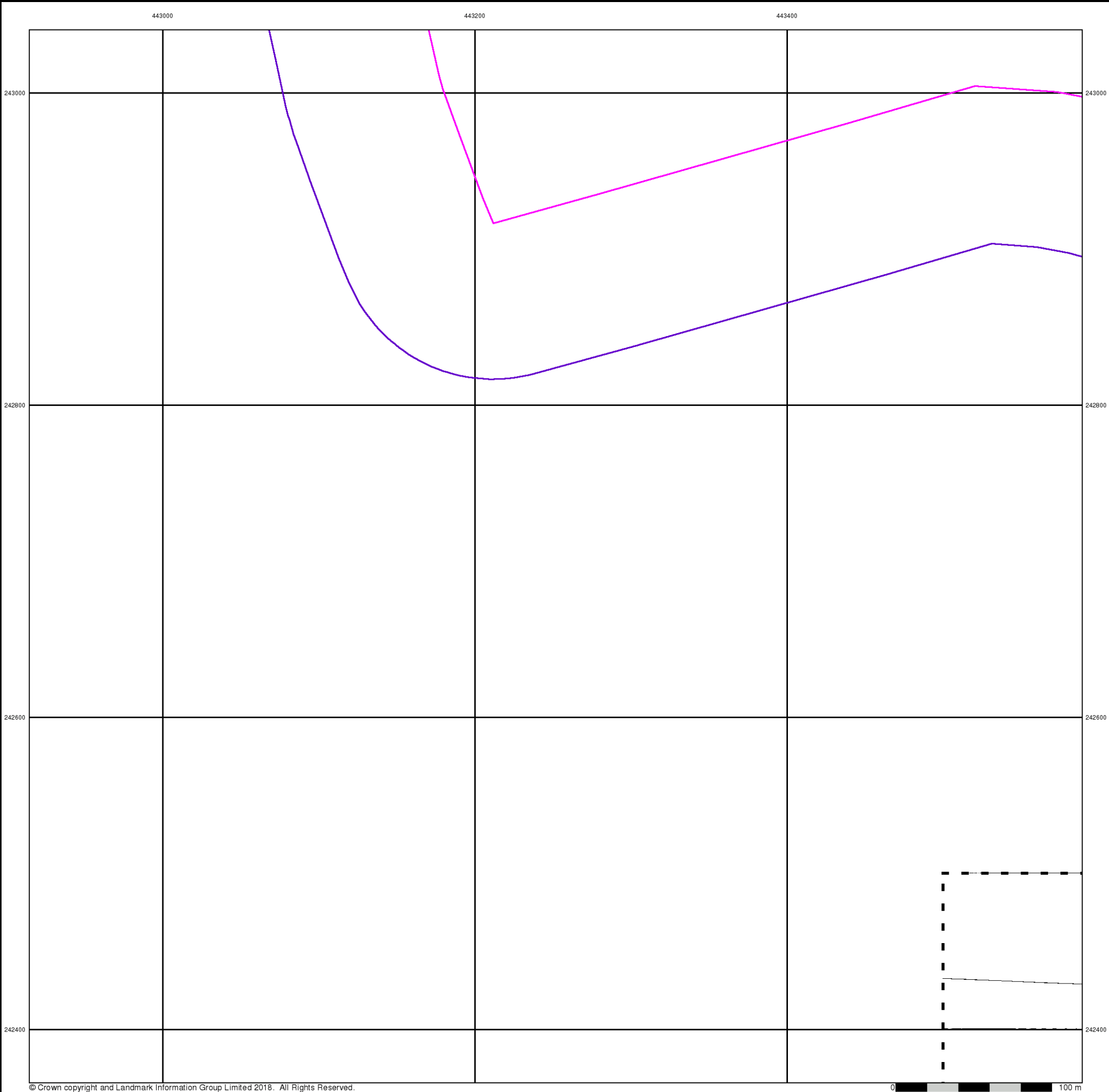
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0 100 m



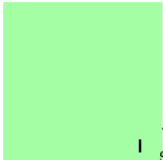
Ordnance Survey Plan

Published 1985

Source map scale - 1:1,250

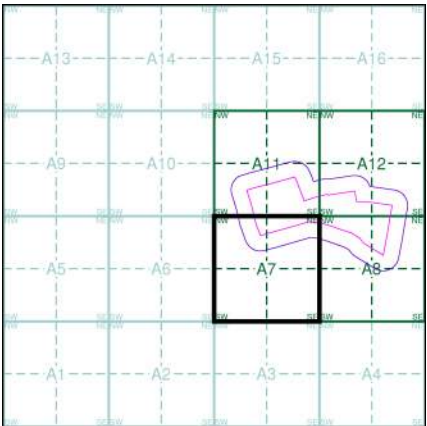
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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



SP4342SE
1985
1:1,250

Historical Map - Segment A7



Order Details

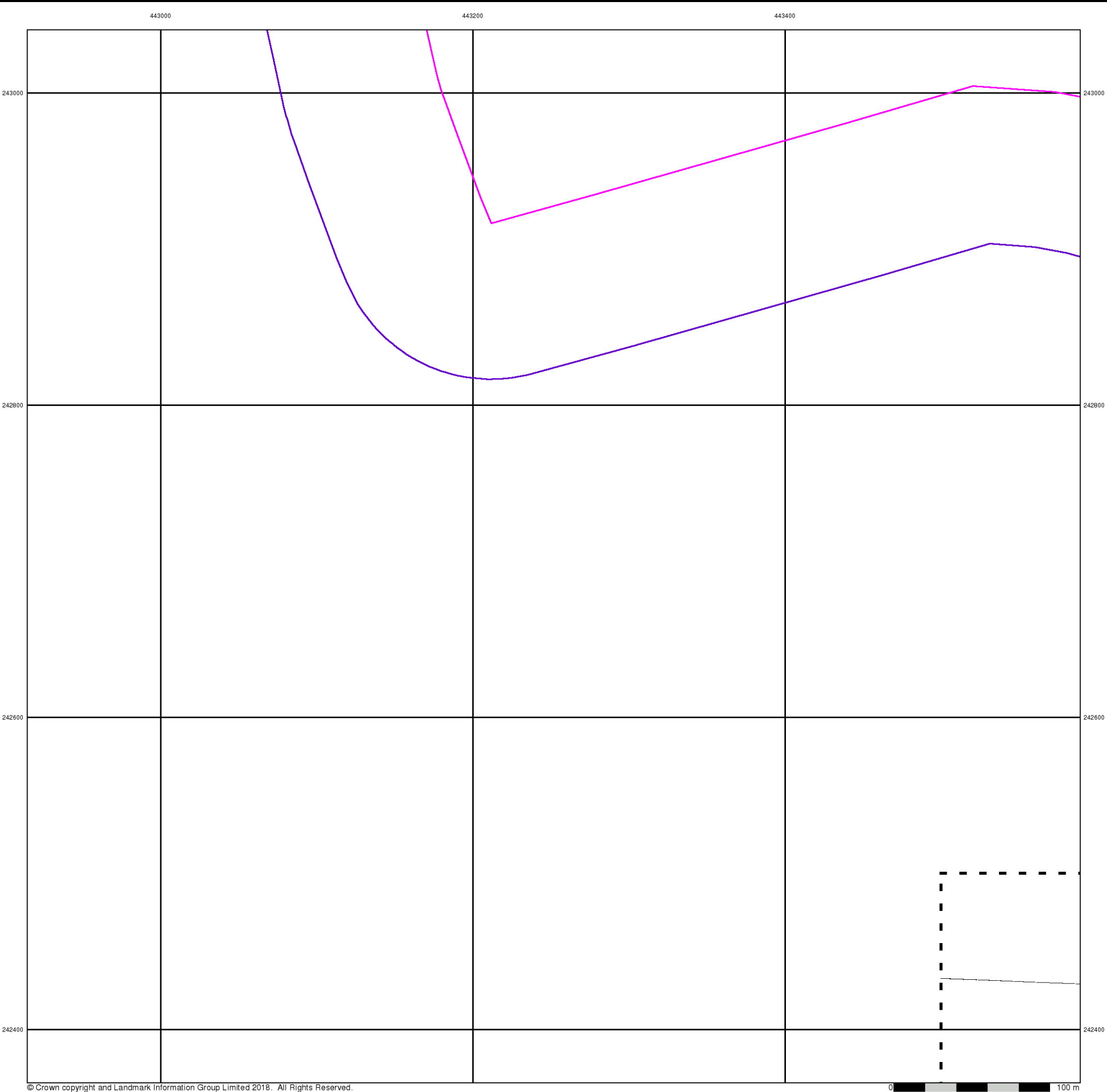
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

Warwick Road, BANBURY



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



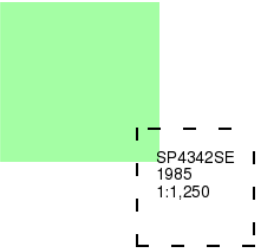
Additional SIMs

Published 1985

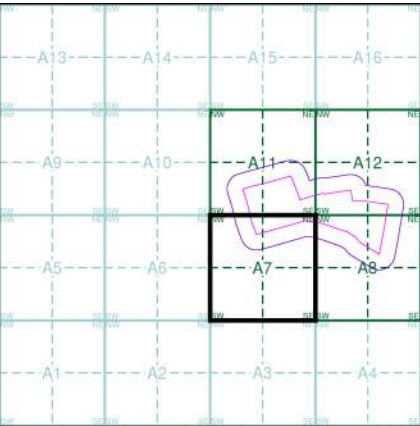
Source map scale - 1:1,250

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)



Historical Map - Segment A7



Order Details

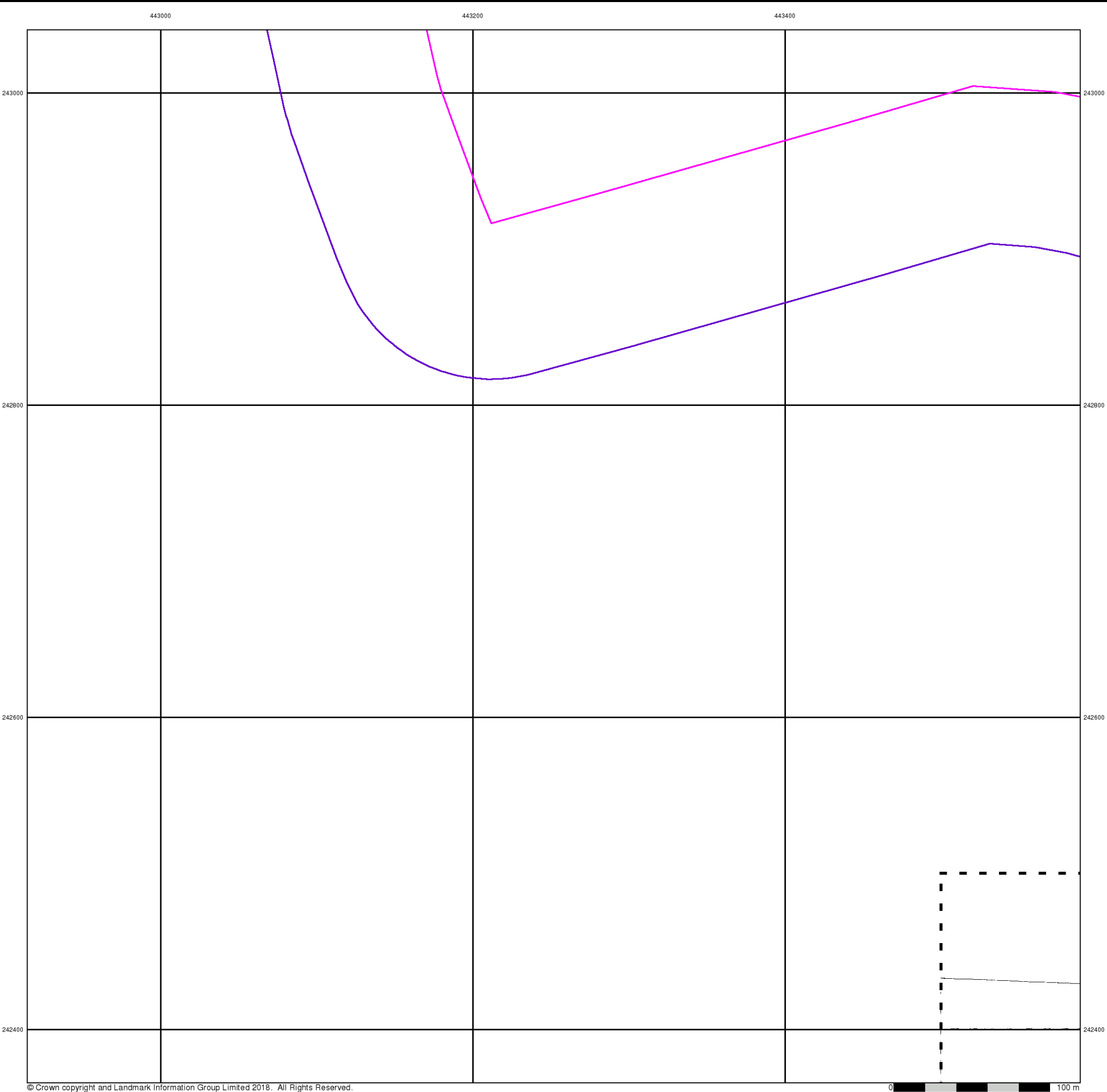
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

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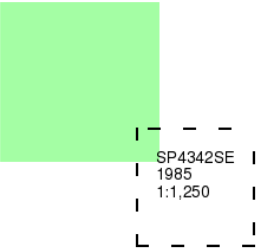
Additional SIMs

Published 1985

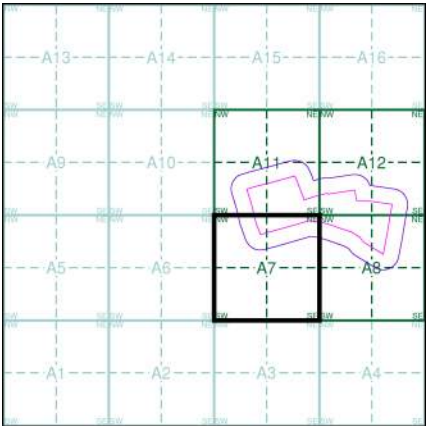
Source map scale - 1:1,250

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)



Historical Map - Segment A7



Order Details

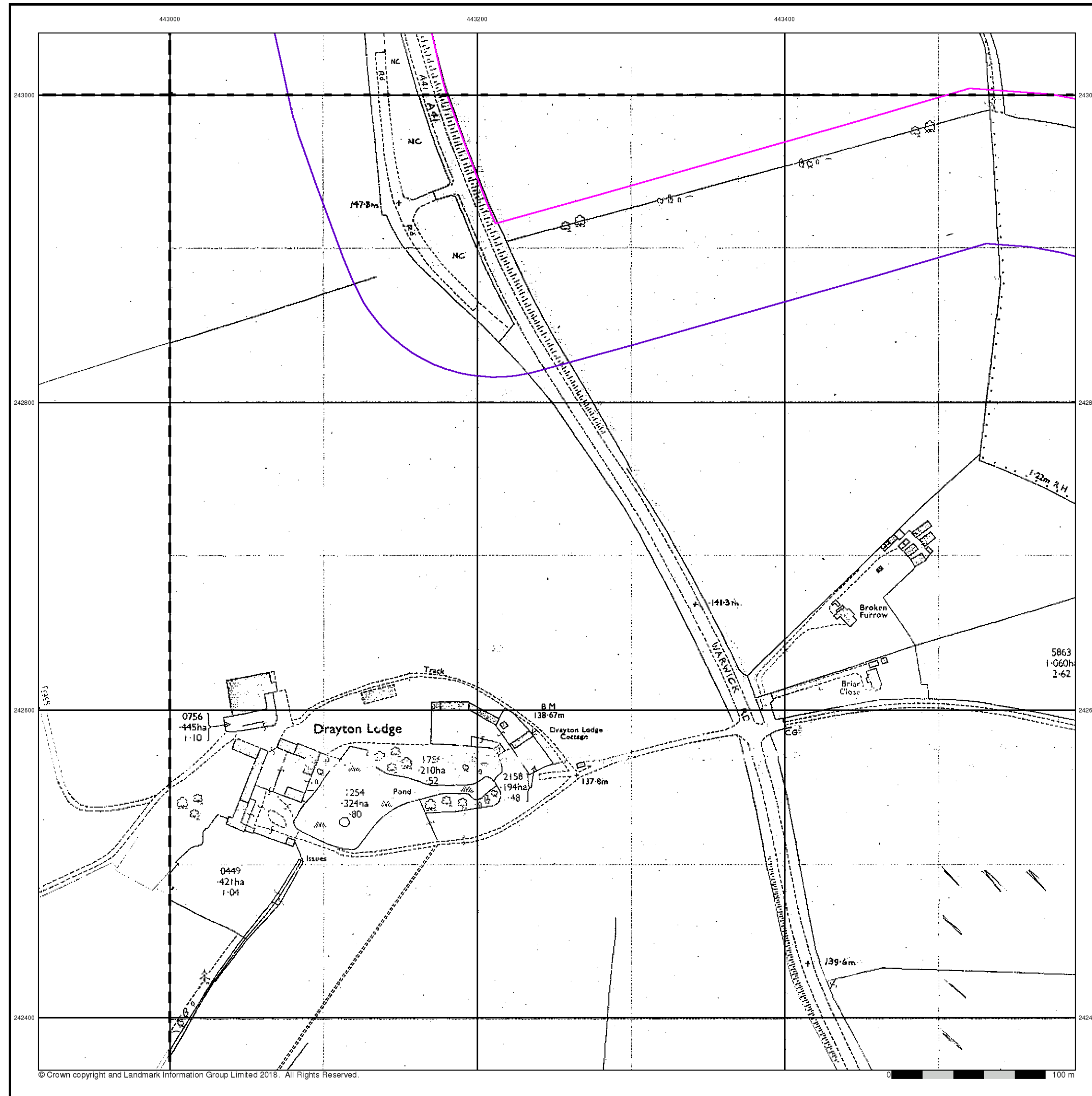
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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Additional SIMs

Published 1986 - 1990

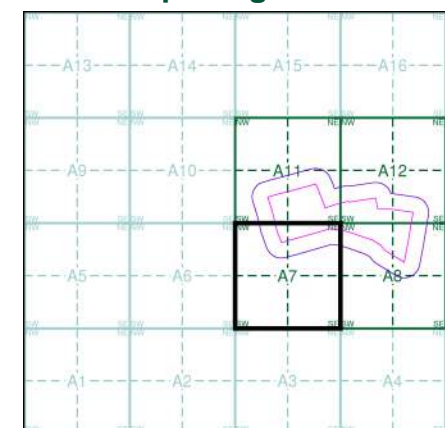
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions 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)

SP4243 1990 12,500	SP4343 1986 12,500
SP4242 1990 12,500	SP4342 1986 12,500

Historical Map - Segment A7



Order Details

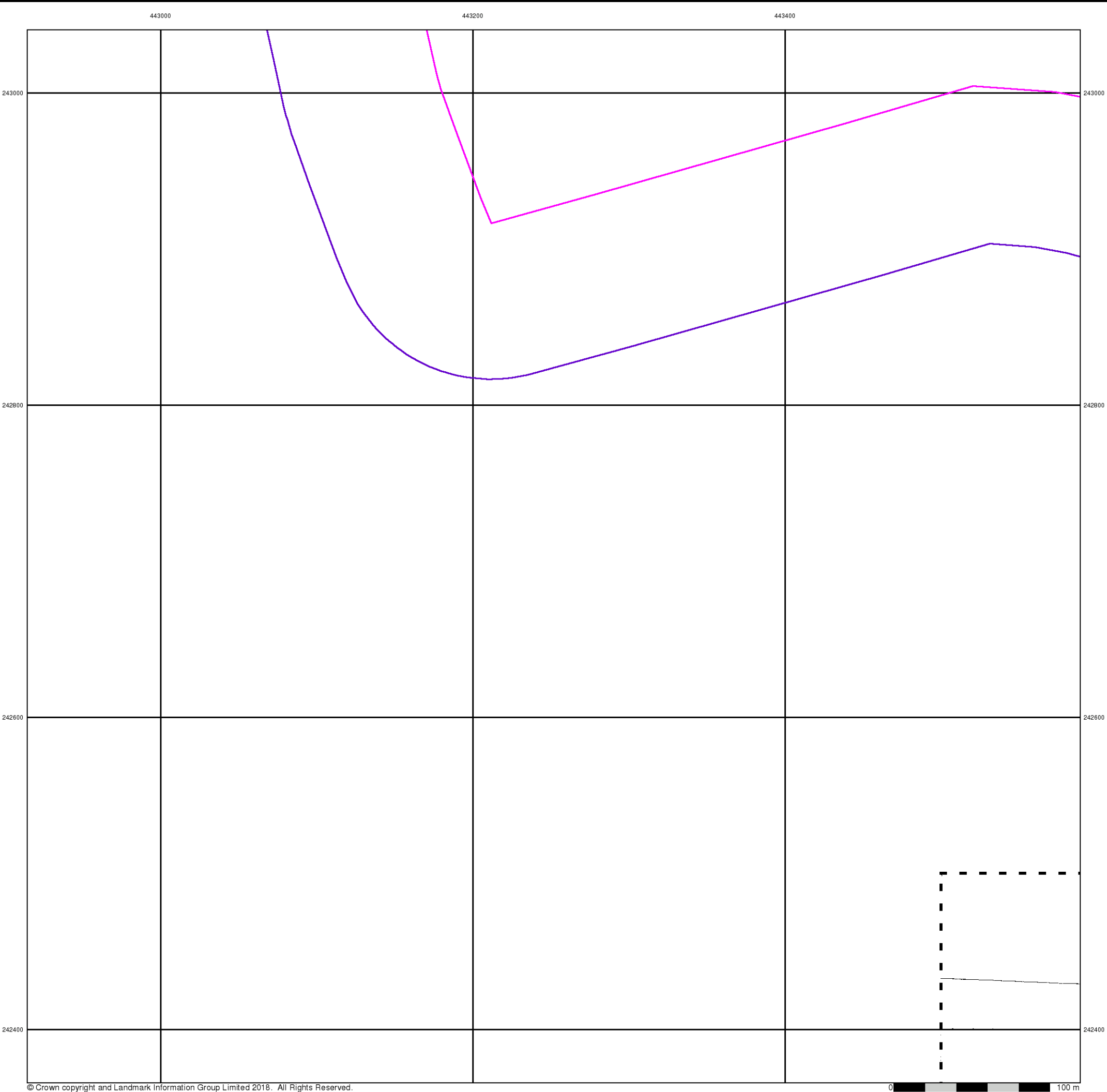
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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0 100 m



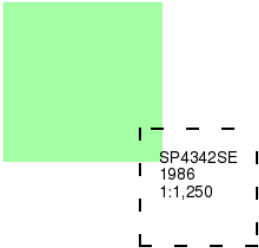
Additional SIMs

Published 1986

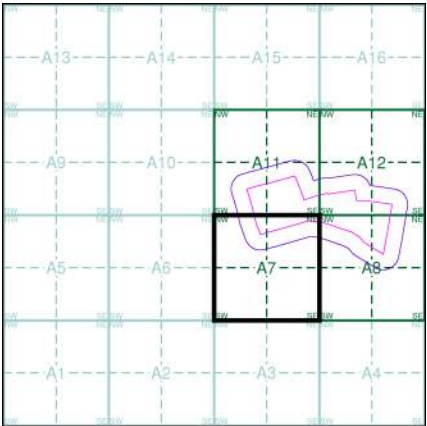
Source map scale - 1:1,250

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)



Historical Map - Segment A7



Order Details

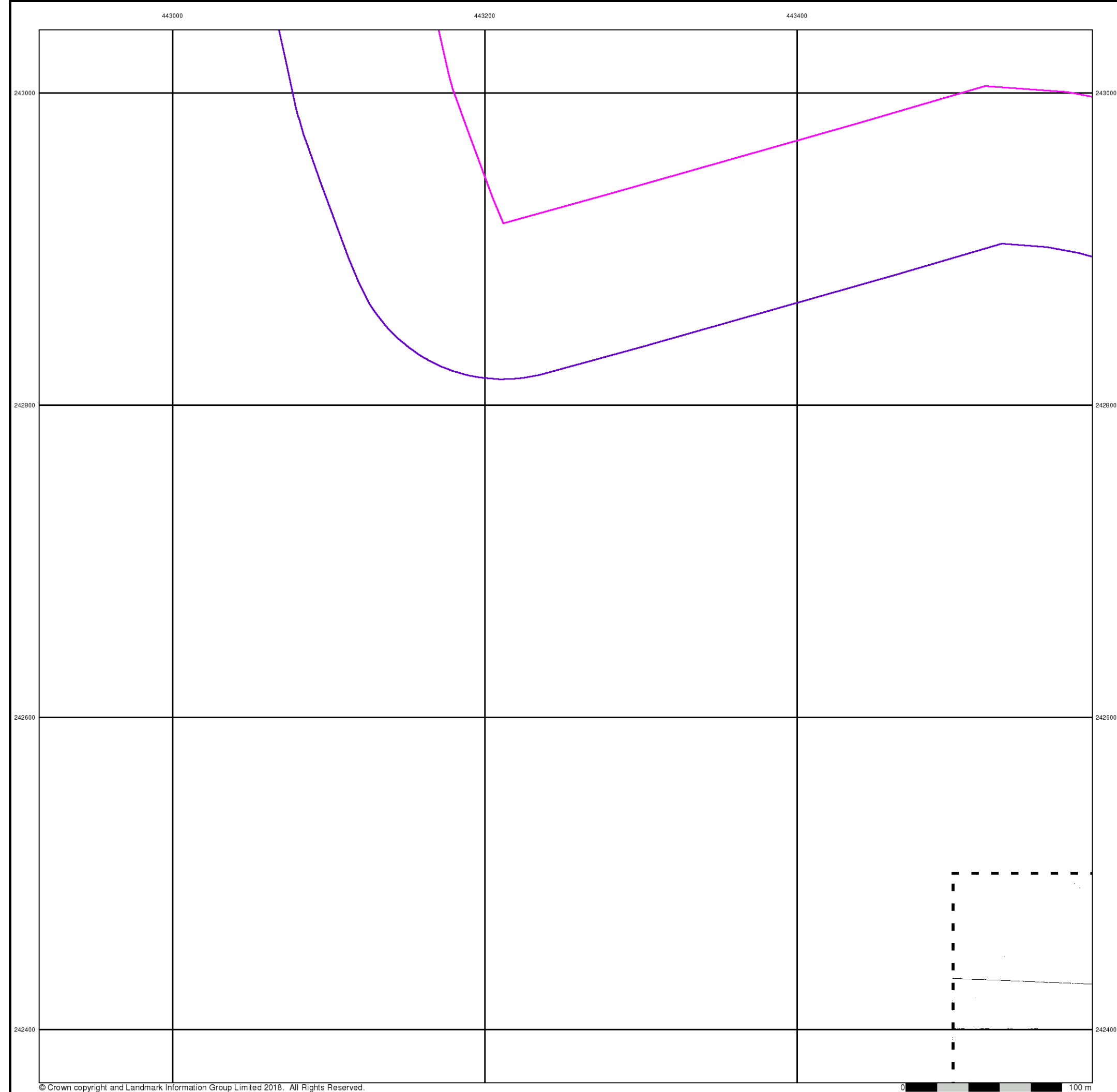
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

Warwick Road, BANBURY



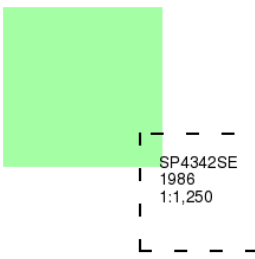
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



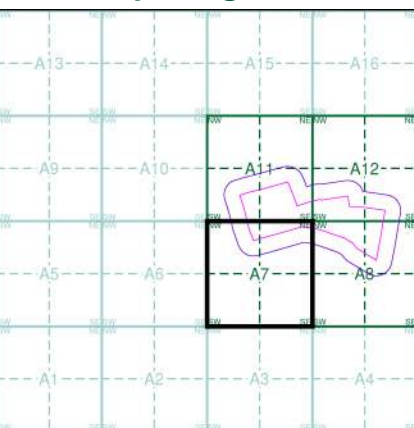
Additional SIMs
Published 1986
Source map scale - 1:1,250

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)

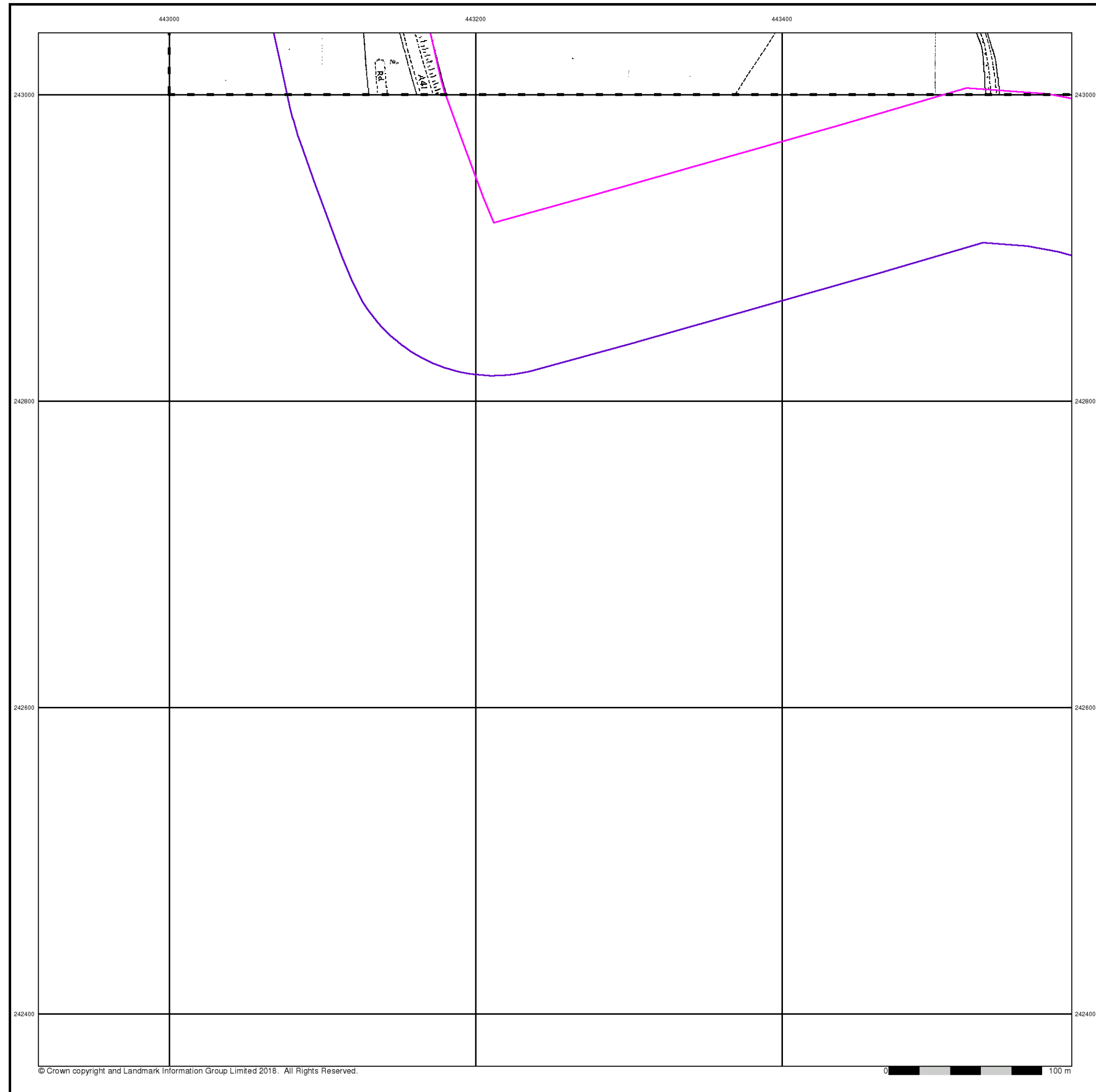



Historical Map - Segment A7



Order Details
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details
Warwick Road, BANBURY





Additional SIMs


Published 1990

Source map scale - 1:2,500


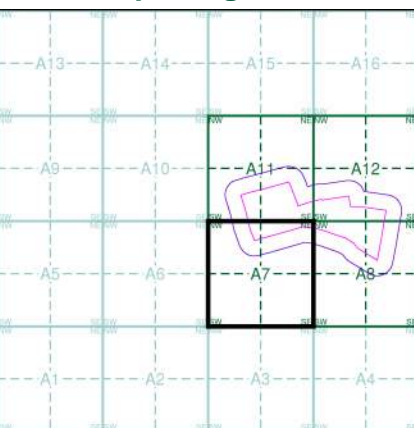
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)

SP4343
1990
1:2,500



Historical Map - Segment A7




Order Details

Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	100

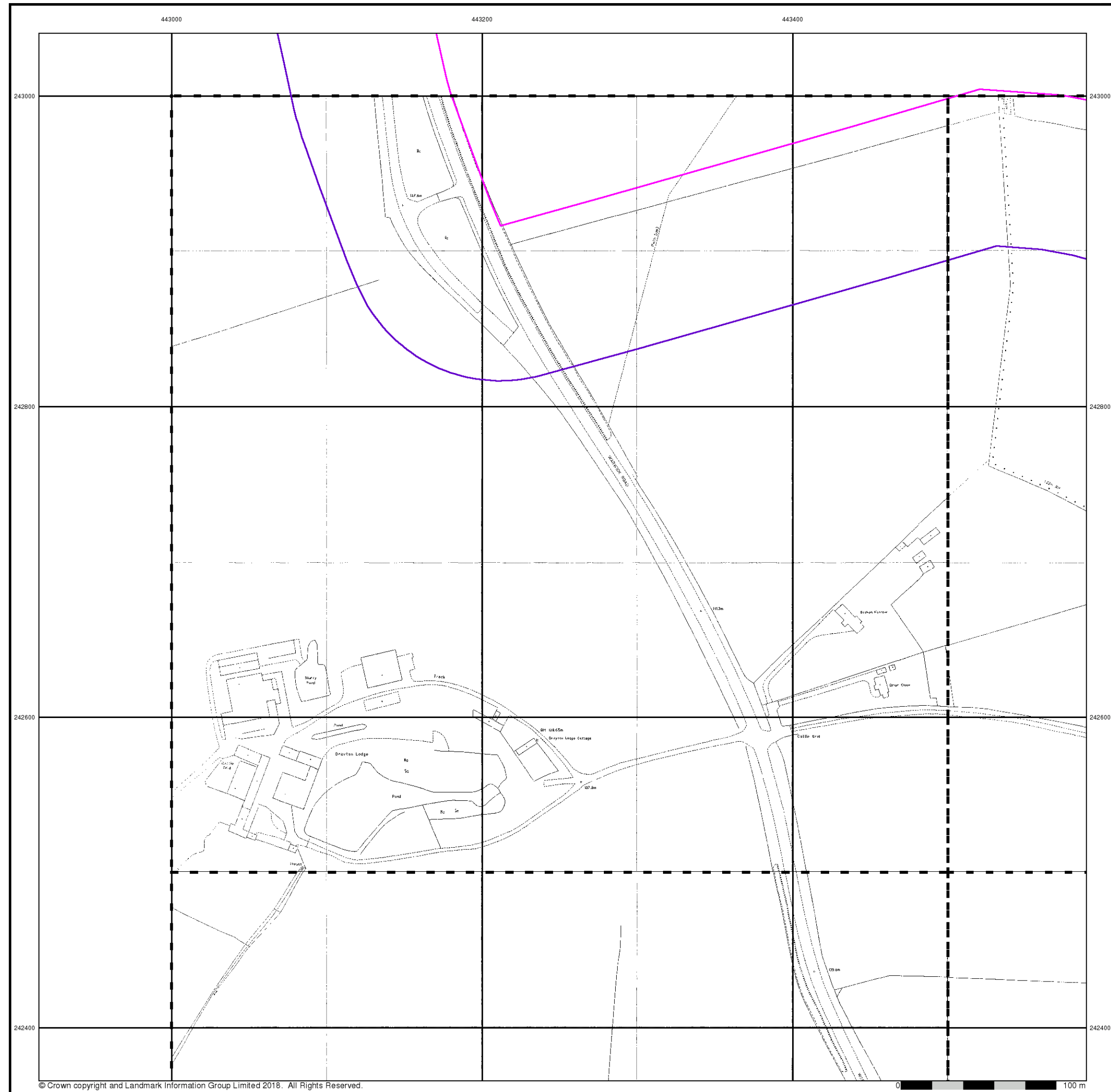
Site Details


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A Landmark Information Group Service v50.0 31-Jul-2018 Page 13 of 15





Large-Scale National Grid Data

Published 1993

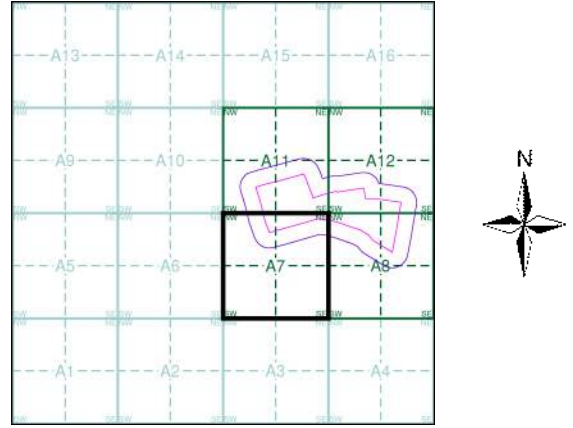
Source map scale - 1:1,250

'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)

SP4342NW 1993 1:1,250	SP4342NE 1993 1:1,250
SP4342SW 1993 1:1,250	SP4342SE 1993 1:1,250

Historical Map - Segment A7




Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

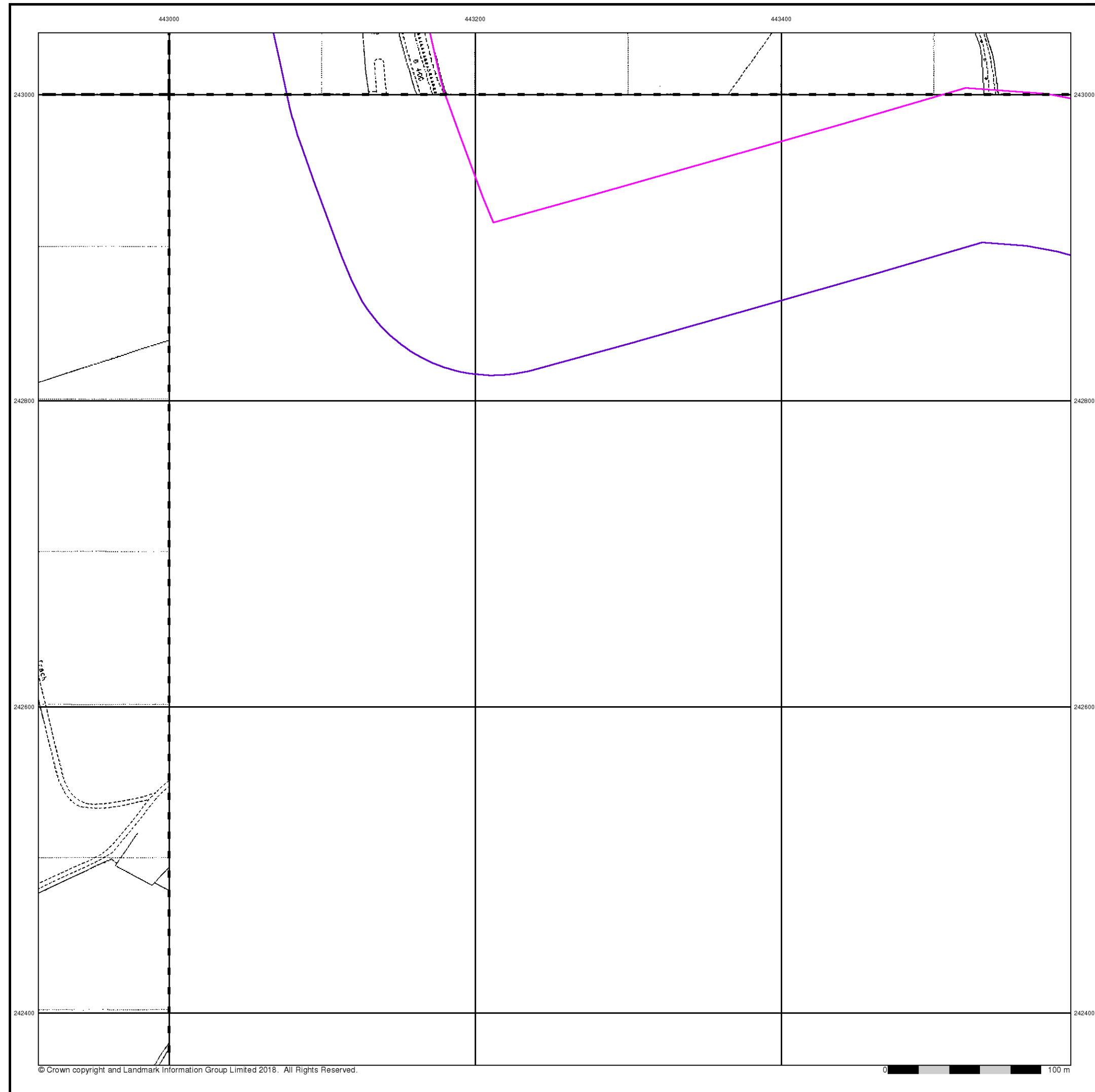
Site Details


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Large-Scale National Grid Data

Published 1993

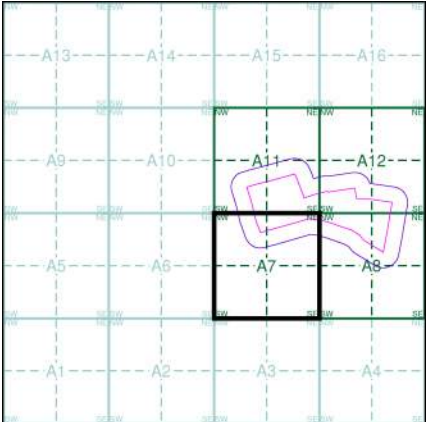
Source map scale - 1:2,500

'Large Scale National Grid Data' 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)

SP4243 1993 1:2,500	SP4343 1993 1:2,500
SP4242 1993 1:2,500	

Historical Map - Segment A7




Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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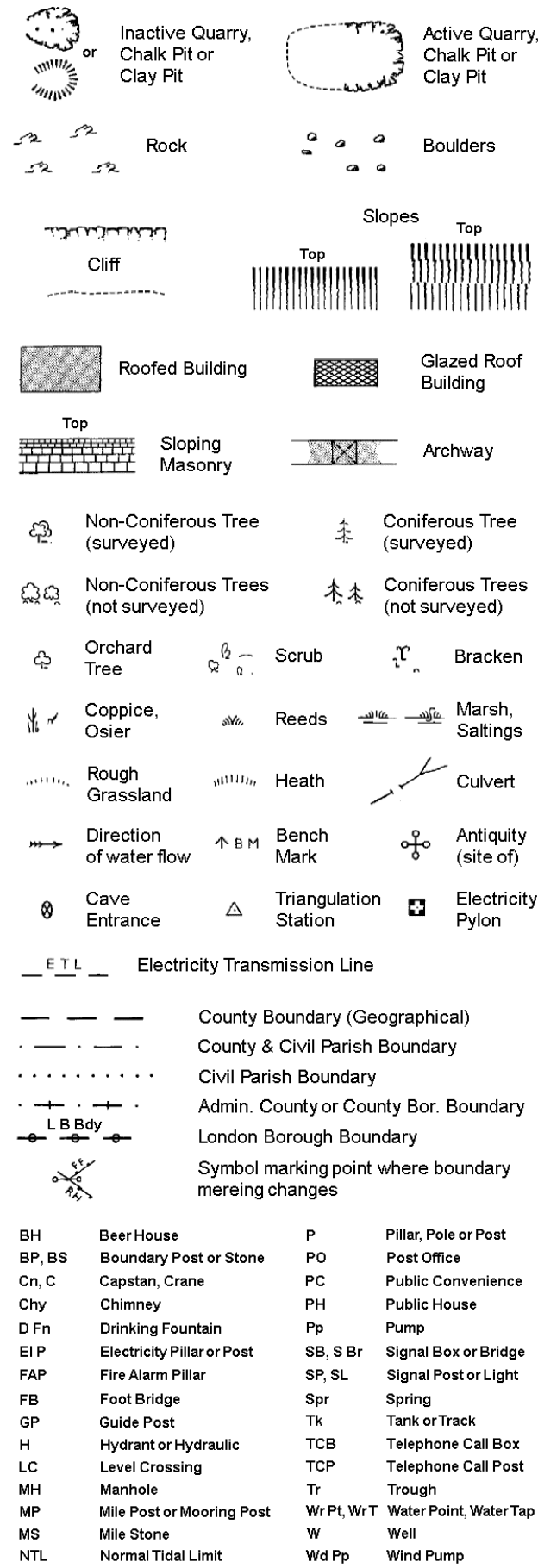
A Landmark Information Group Service v50.0 31-Jul-2018 Page 15 of 15

Historical Mapping Legends

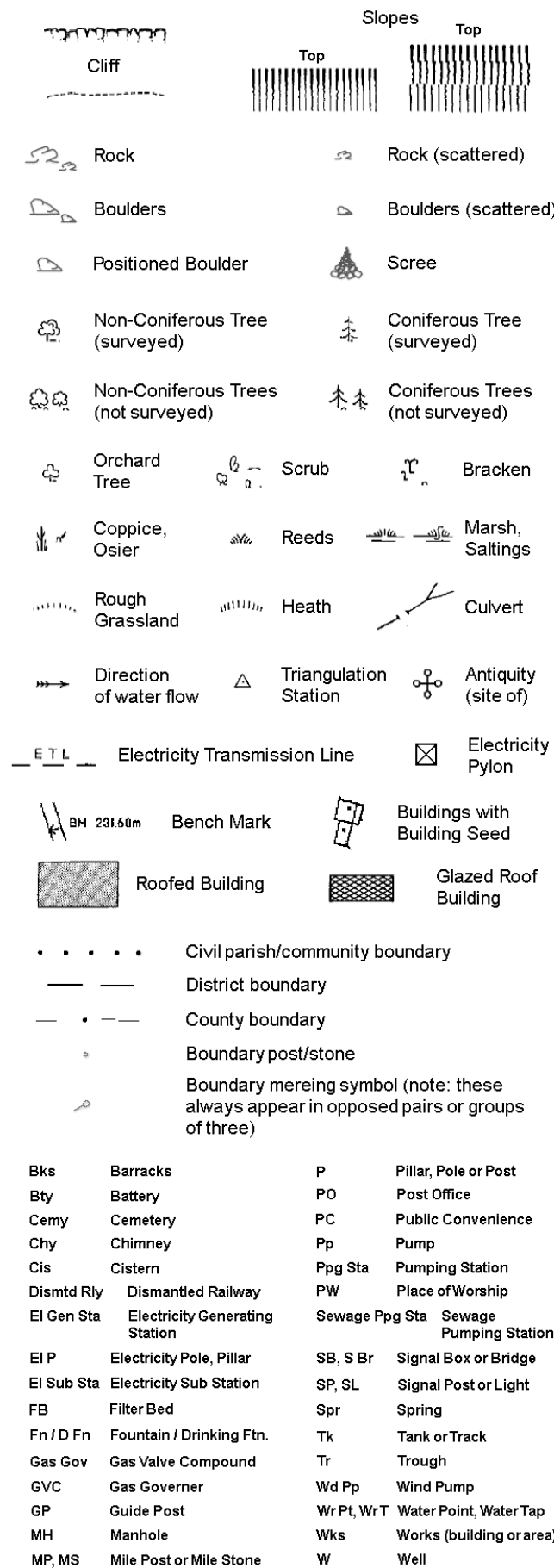
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



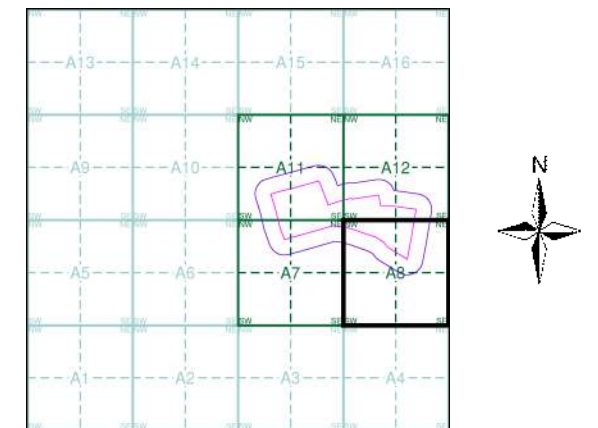
Large-Scale National Grid Data 1:2,500 and 1:1,250



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:2,500	1882	2
Oxfordshire	1:2,500	1900	3
Oxfordshire	1:2,500	1922	4
Ordnance Survey Plan	1:2,500	1967 - 1973	5
Ordnance Survey Plan	1:2,500	1977	6
Ordnance Survey Plan	1:1,250	1985	7
Additional SIMs	1:1,250	1985 - 1987	8
Additional SIMs	1:1,250	1985 - 1987	9
Additional SIMs	1:2,500	1986 - 1990	10
Additional SIMs	1:1,250	1986	11
Additional SIMs	1:1,250	1986	12
Ordnance Survey Plan	1:1,250	1989	13
Additional SIMs	1:2,500	1990	14
Large-Scale National Grid Data	1:1,250	1993	15
Large-Scale National Grid Data	1:2,500	1993	16

Historical Map - Segment A8



Order Details

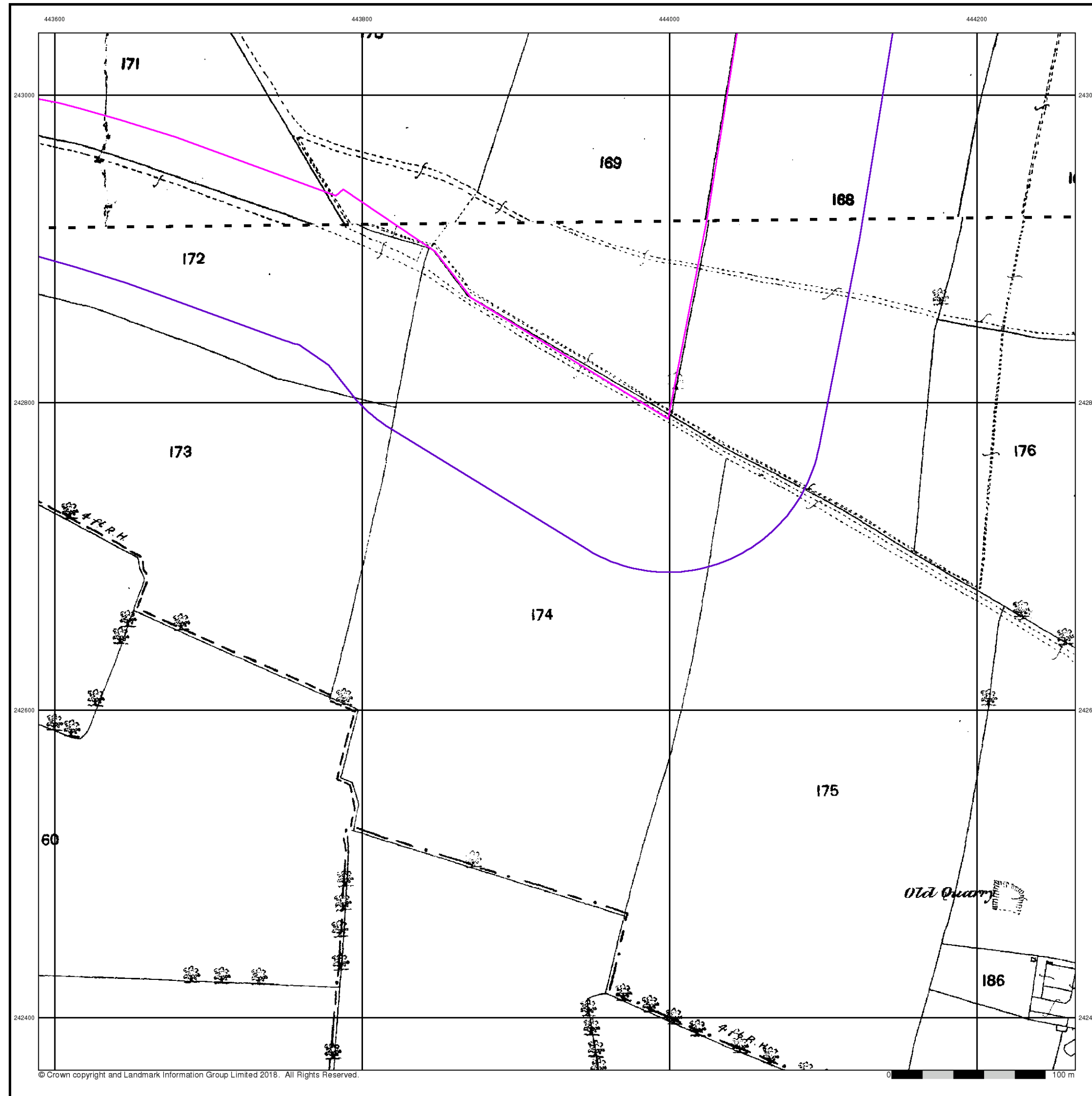
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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Oxfordshire

Published 1882

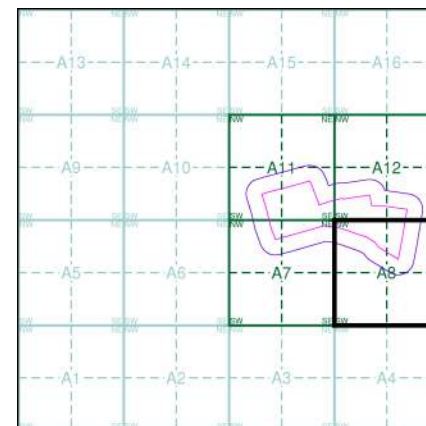
Source map scale - 1:2,500

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)

005_04 1882 1:2,500
005_08 1882 1:2,500

Historical Map - Segment A8



Order Details

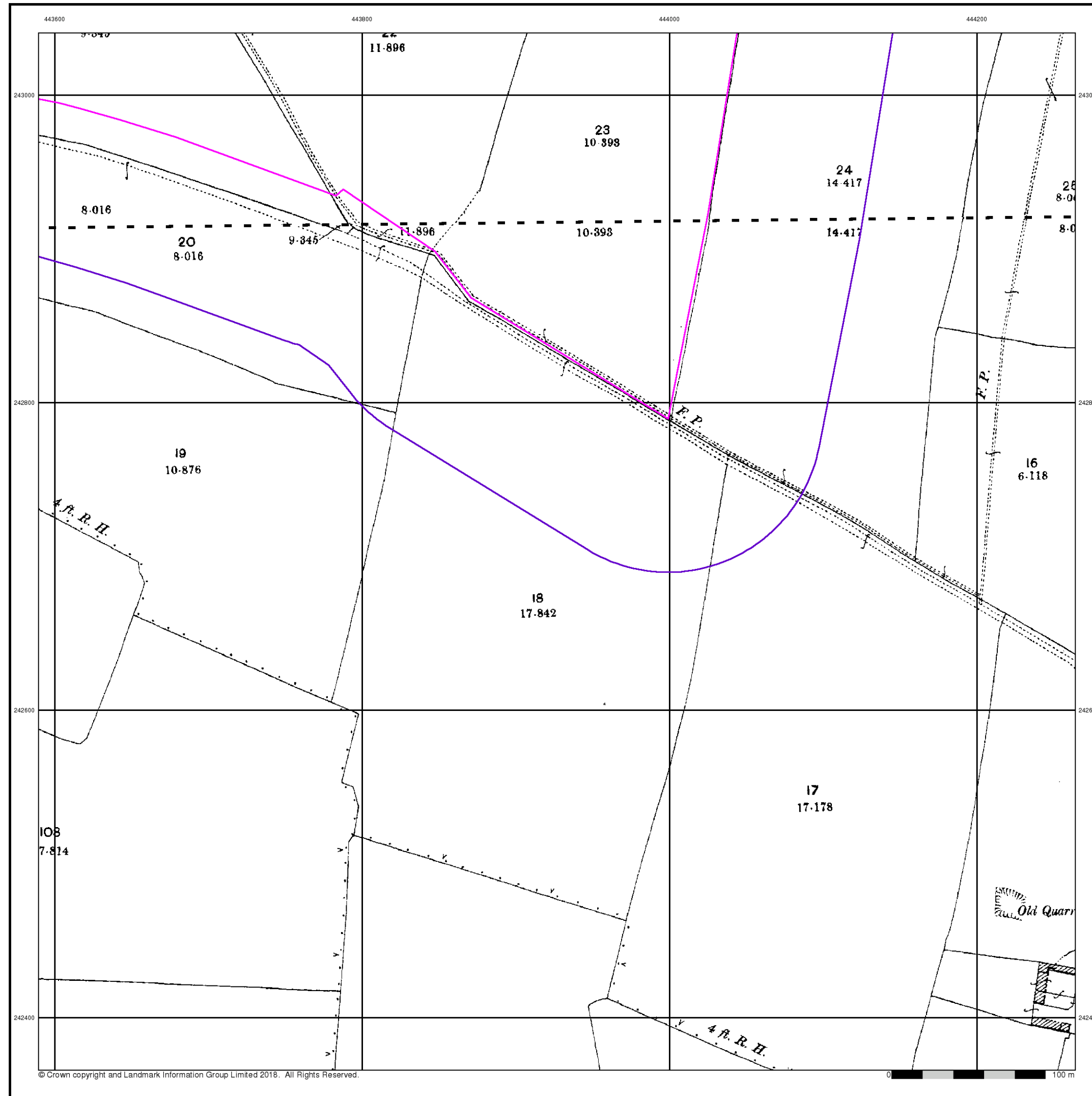
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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Landmark
INFORMATION GROUP

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Oxfordshire

Published 1900

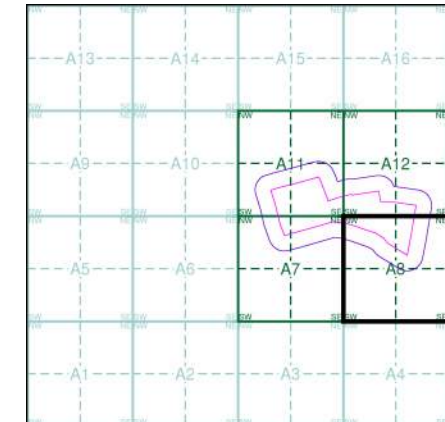
Source map scale - 1:2,500

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)

005_04
1900
1:2,500
005_08
1900
1:2,500

Historical Map - Segment A8



Order Details

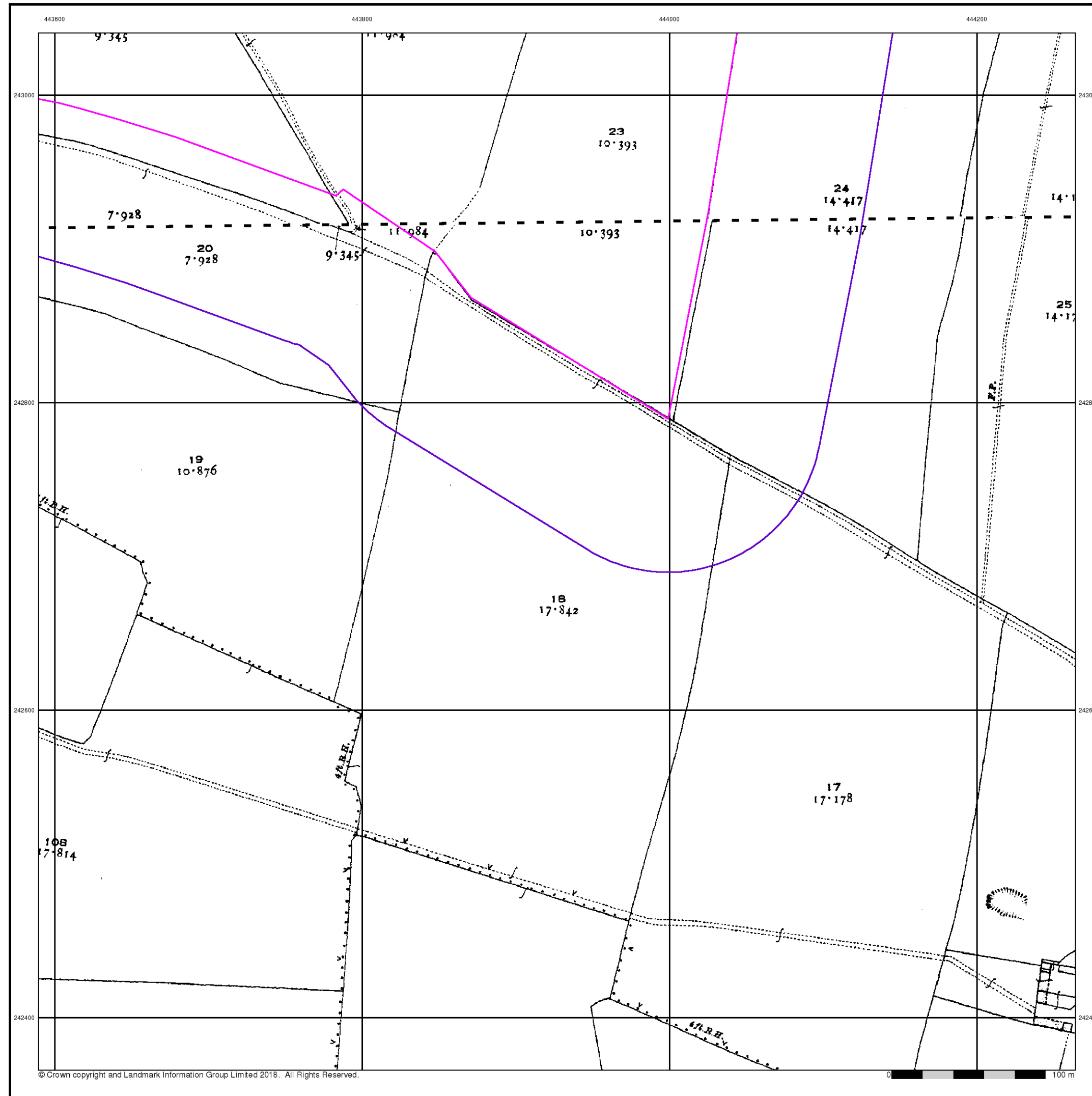
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

Warwick Road, BANBURY



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Oxfordshire

Published 1922

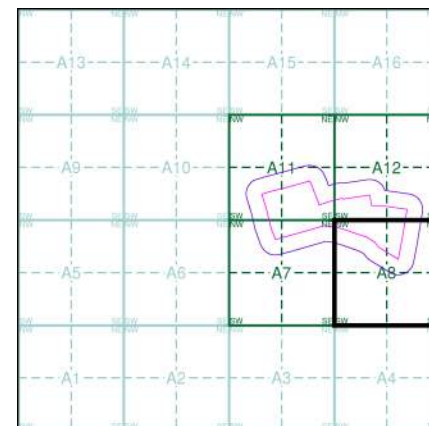
Source map scale - 1:2,500

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)

005_04
1922
1:2,500
005_08
1922
1:2,500

Historical Map - Segment A8



Order Details

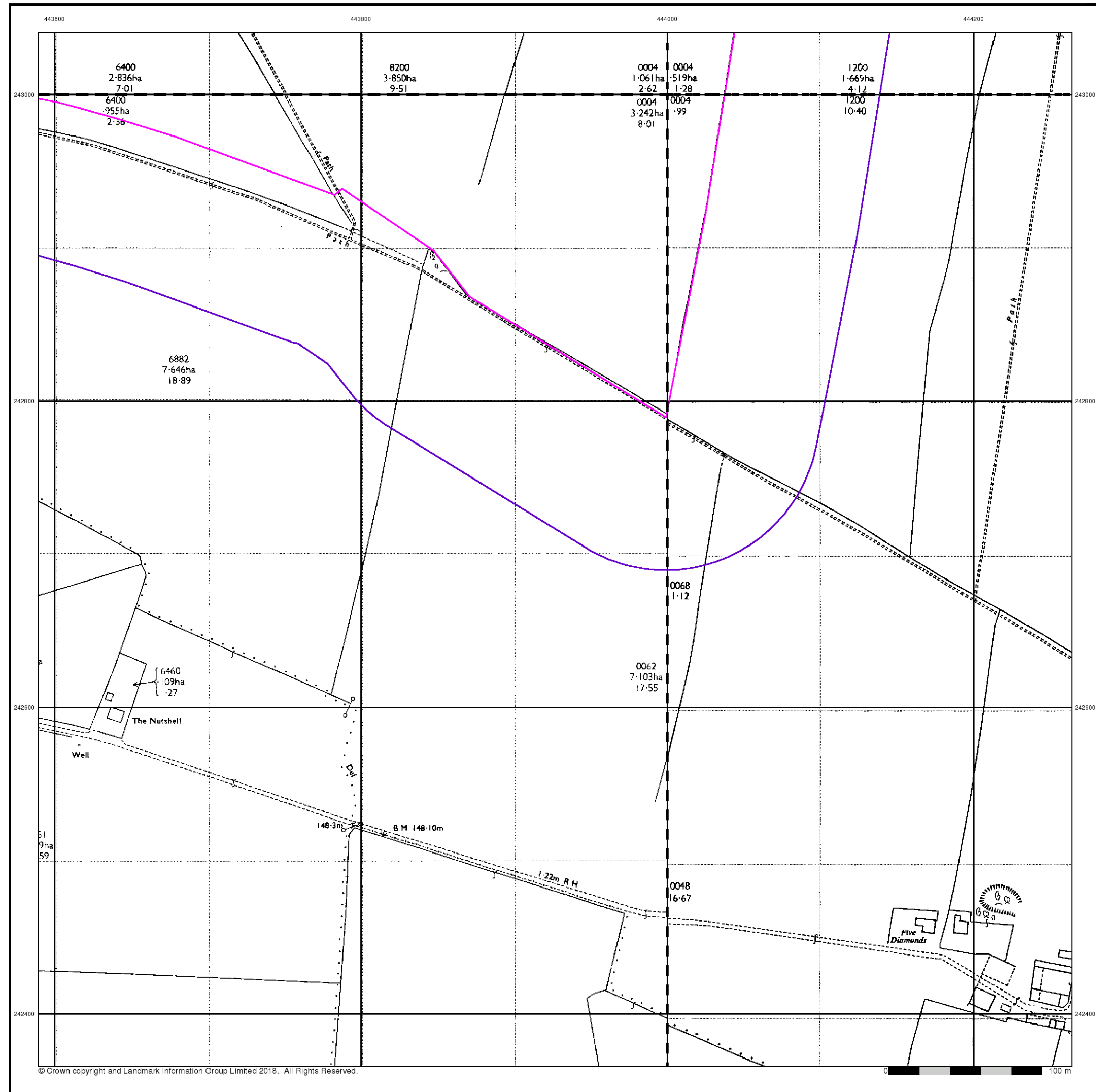
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
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Site Details

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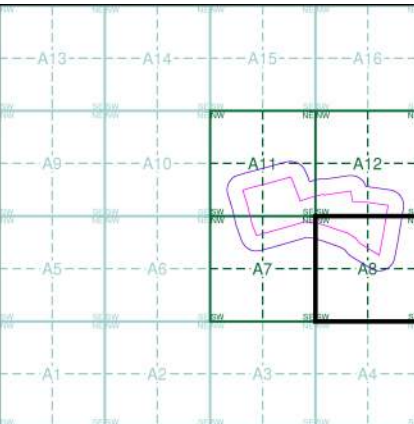
Ordnance Survey Plan
Published 1967 - 1973
Source map scale - 1:2,500

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)

SP4343 1972 12,500	SP4443 1973 12,500
SP4342 1972 12,500	SP4442 1967 12,500

Historical Map - Segment A8



Order Details

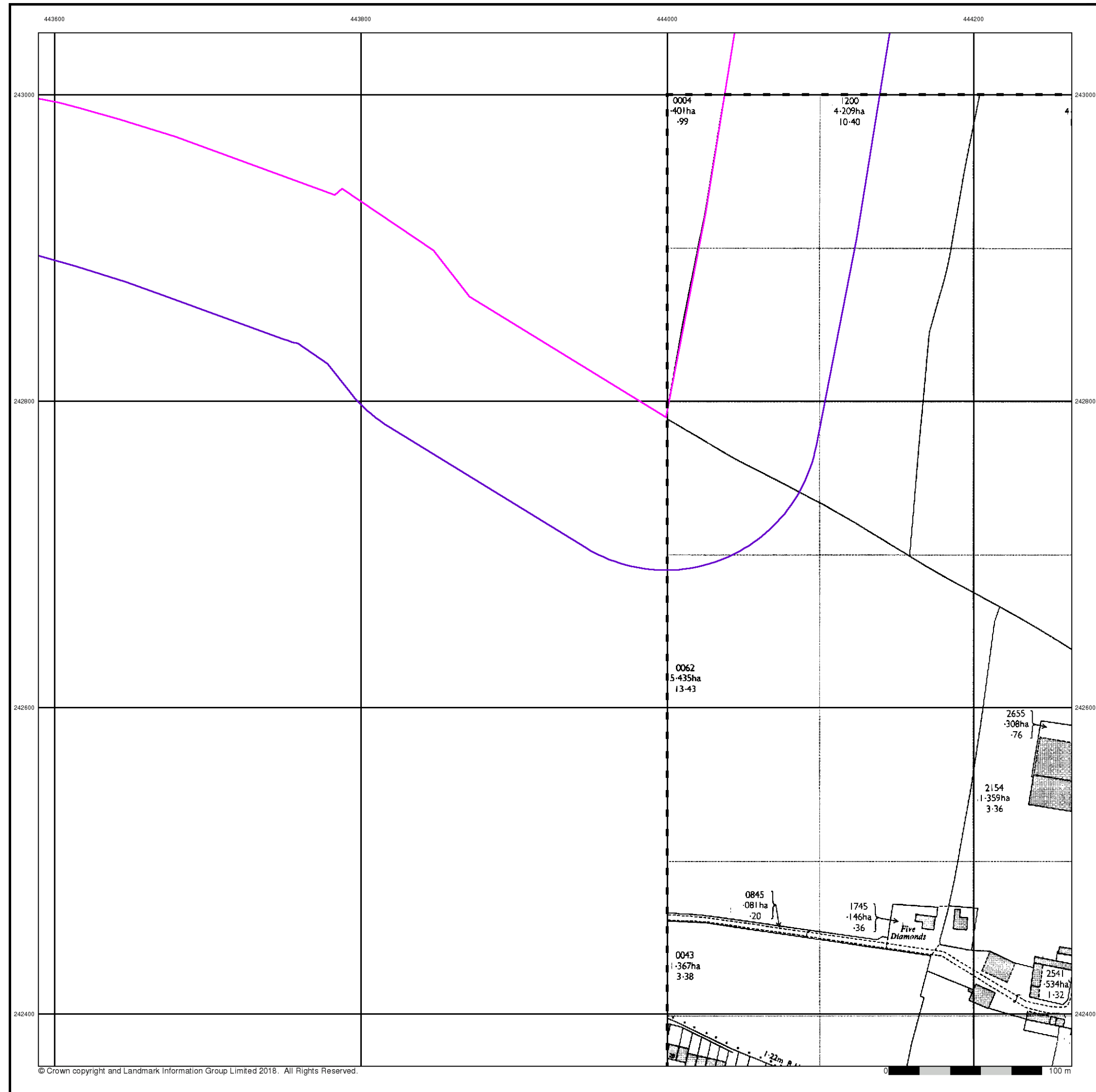
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

Warwick Road, BANBURY



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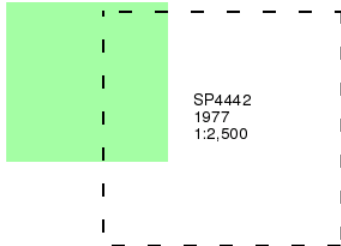
Ordnance Survey Plan

Published 1977

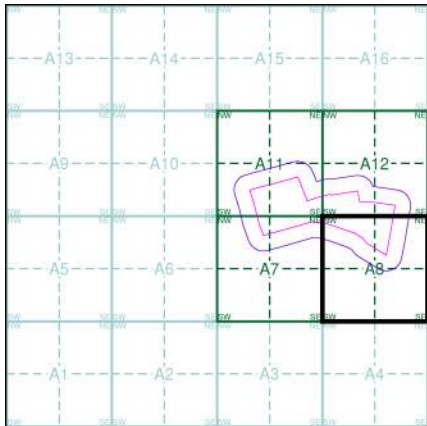
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in 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 A8



Order Details

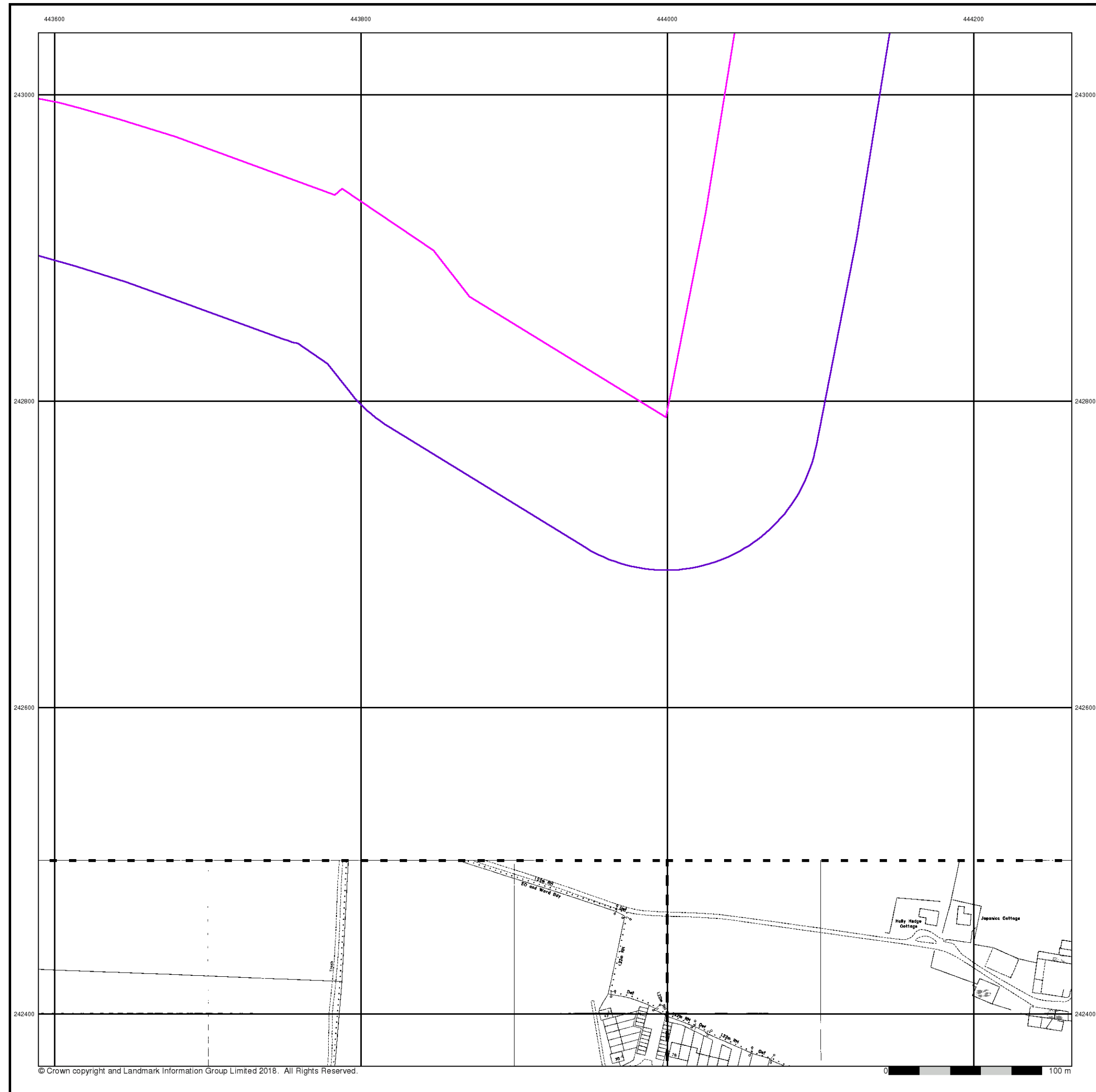
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
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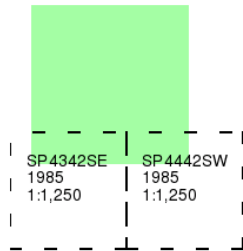
Ordnance Survey Plan

Published 1985

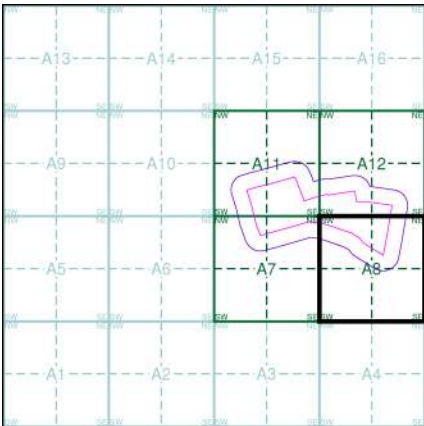
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A8



Order Details

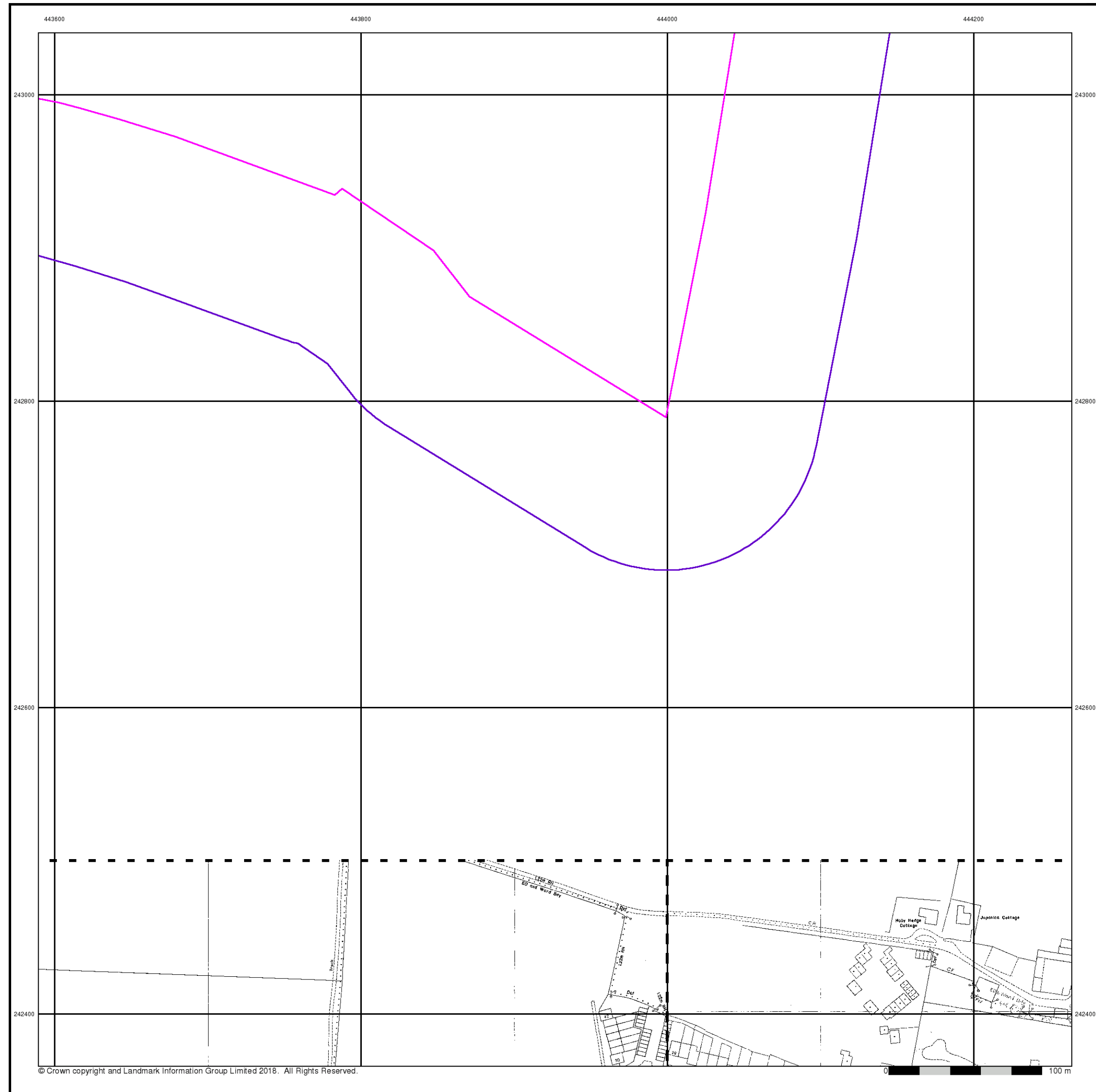
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100


Site Details

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Web: www.envirocheck.co.uk






Additional SIMs

Published 1985 - 1987

Source map scale - 1:1,250

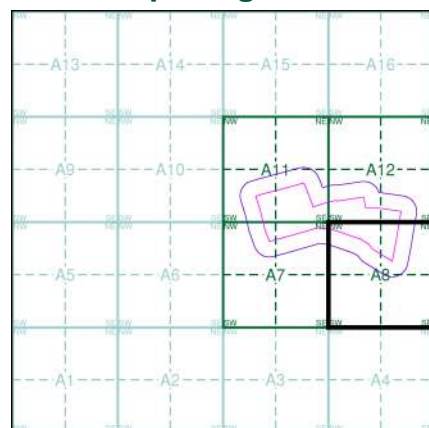
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SP4342SE	SP4442SW
1985	1987
1:1,250	1:1,250

Historical Map - Segment A8




Order Details

Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	100

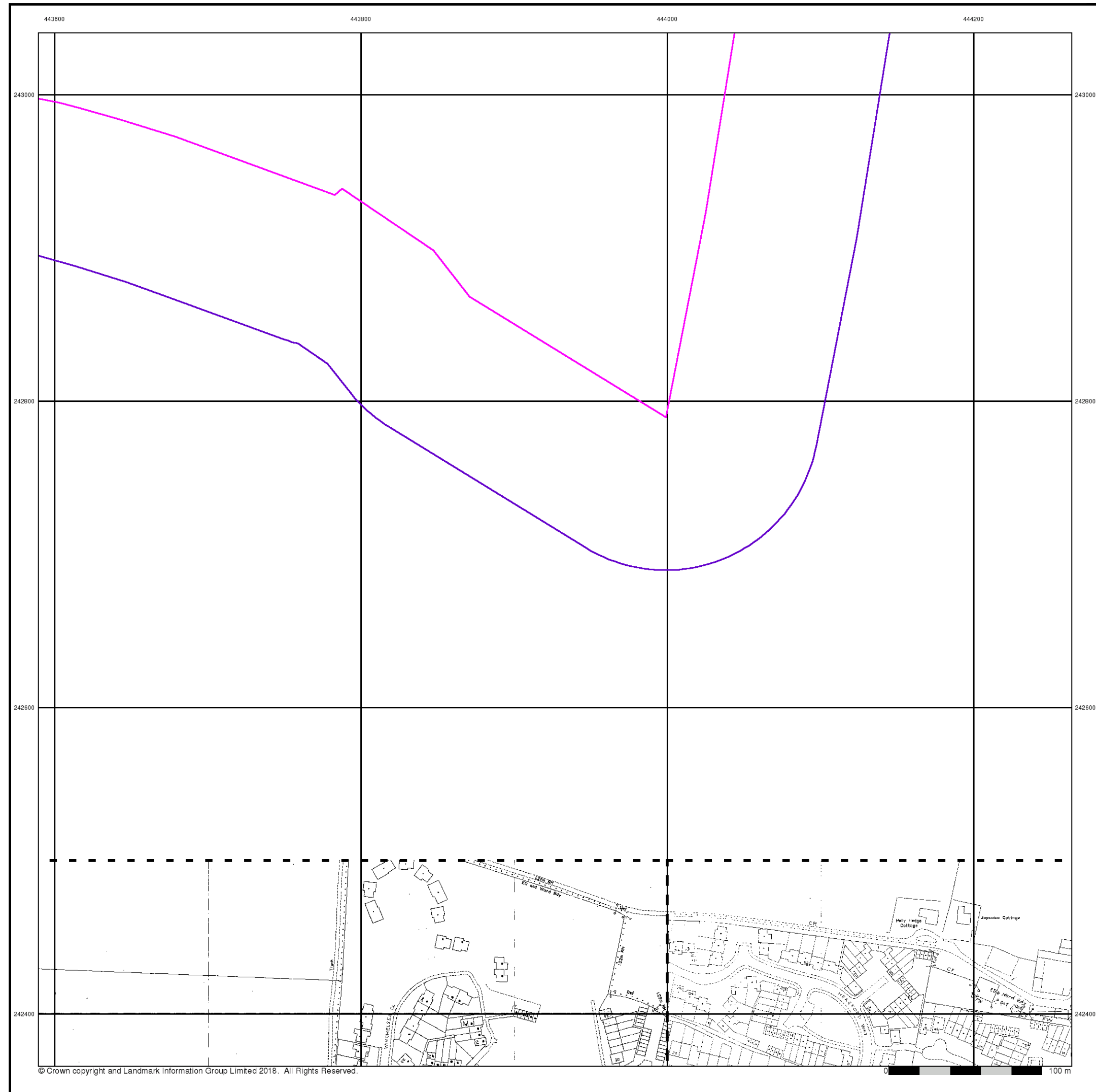
Site Details


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A Landmark Information Group Service v50.0 31-Jul-2018 Page 8 of 16






Additional SIMs

Published 1985 - 1987

Source map scale - 1:1,250


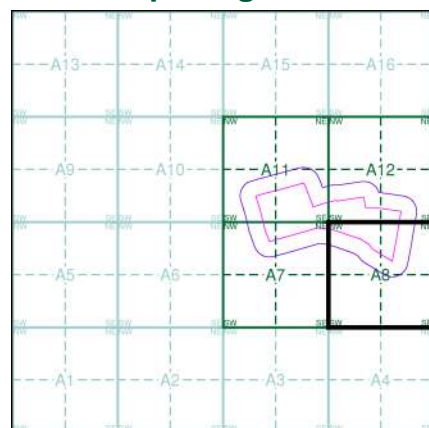
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SP4342SE	SP4442SW
1985	1987
1:1,250	1:1,250

Historical Map - Segment A8




Order Details

Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	100

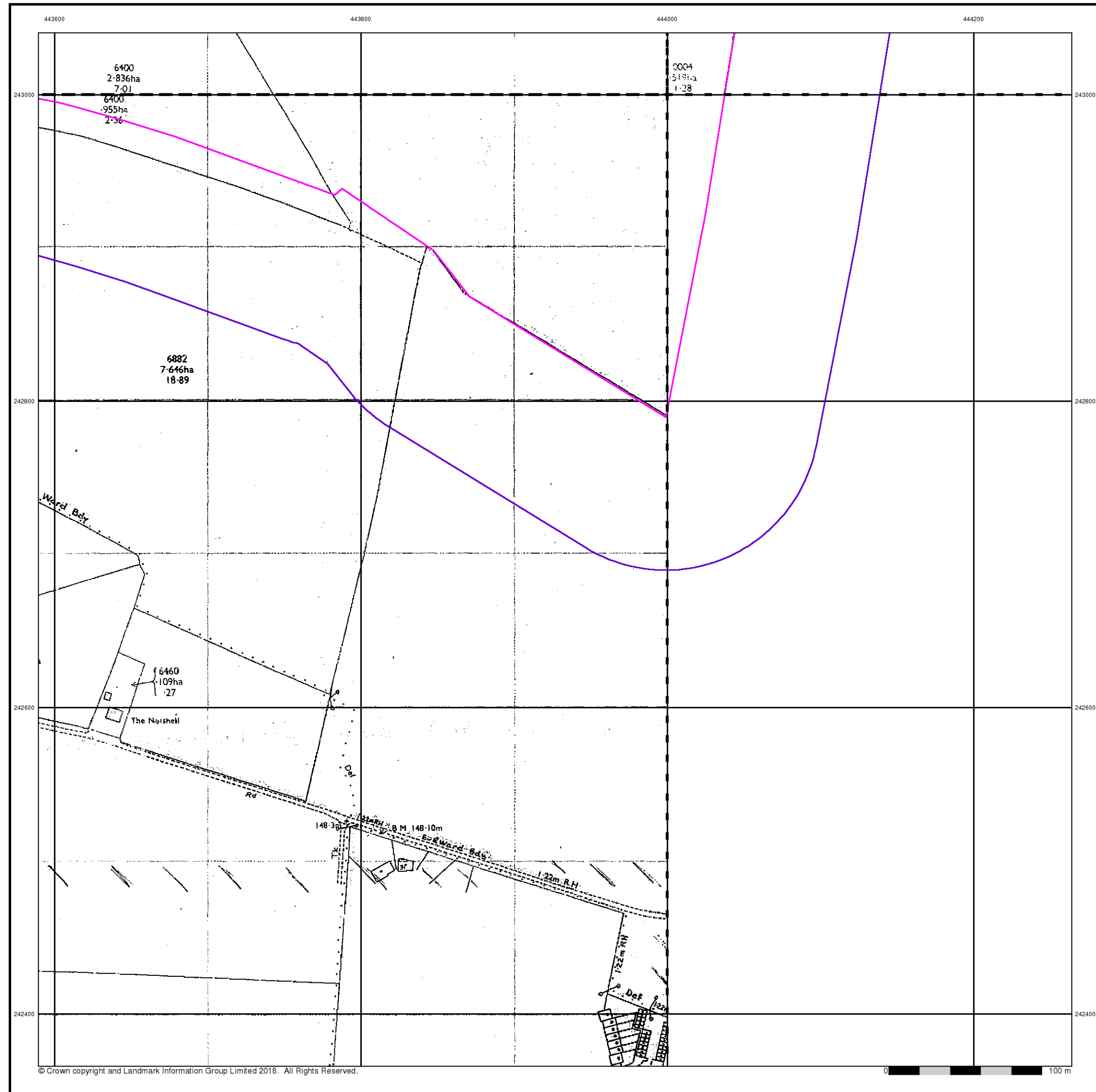
Site Details

Warwick Road, BANBURY



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Web: www.envirocheck.co.uk

A Landmark Information Group Service v50.0 31-Jul-2018 Page 9 of 16



Additional SIMs

Published 1986 - 1990

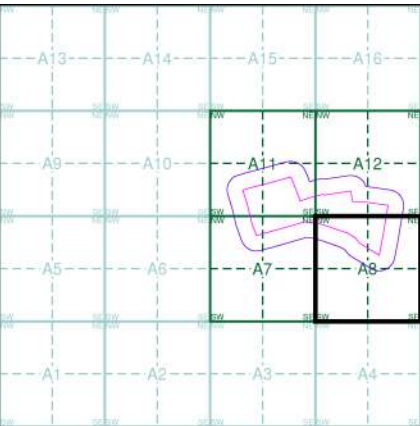
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions 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)

SP4343 1986 12,500	SP4443 1990 12,500
SP4342 1986 12,500	

Historical Map - Segment A8



Order Details

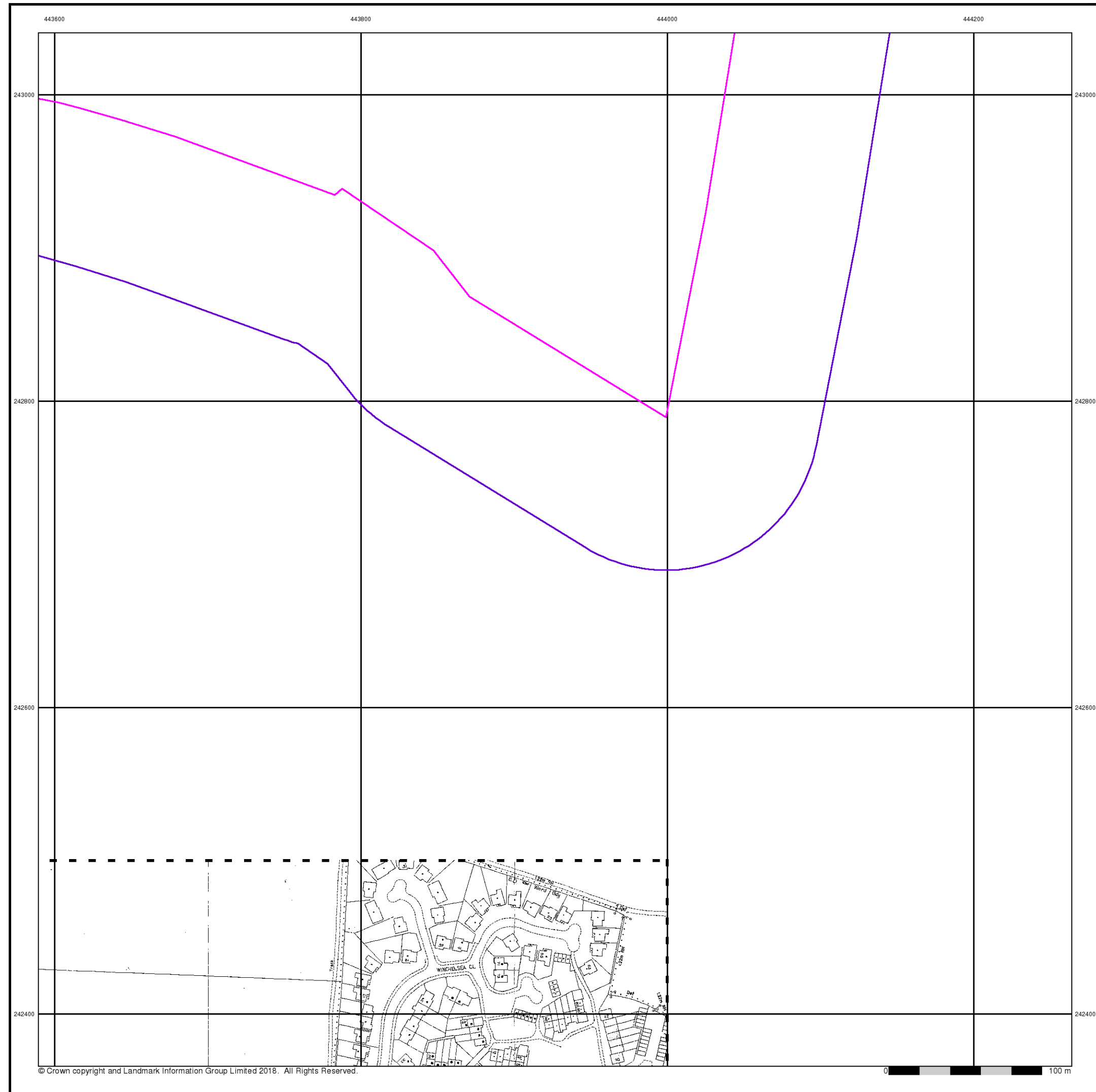
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100


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Additional SIMs

Published 1986

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)

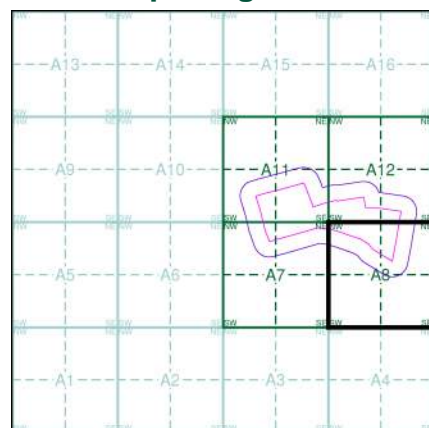


SP4342SE

1986

1:1,250

Historical Map - Segment A8




Order Details

Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	100

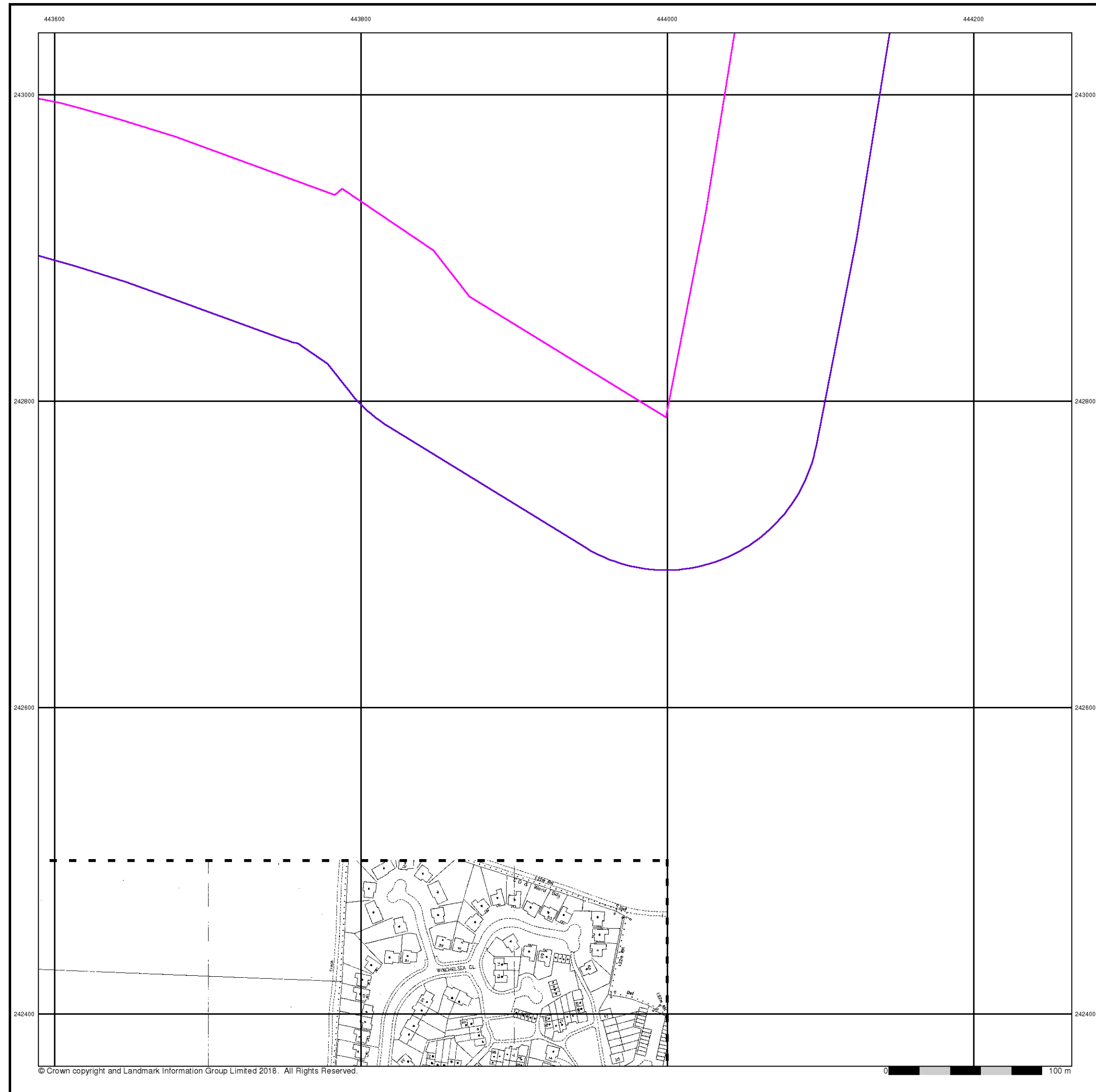
Site Details

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0 100 m



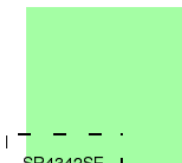
Additional SIMs

Published 1986

Source map scale - 1:1,250

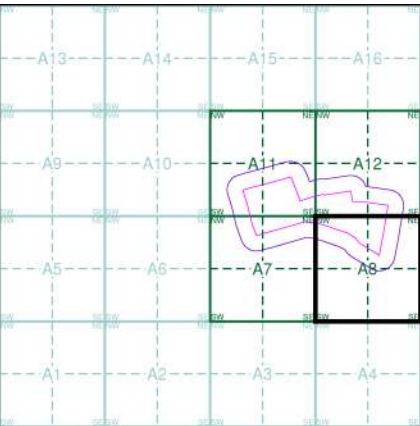
The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps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

Map Name(s) and Date(s)



SP4342SE
1986
1:1,250

Historical Map - Segment A8



Order Details

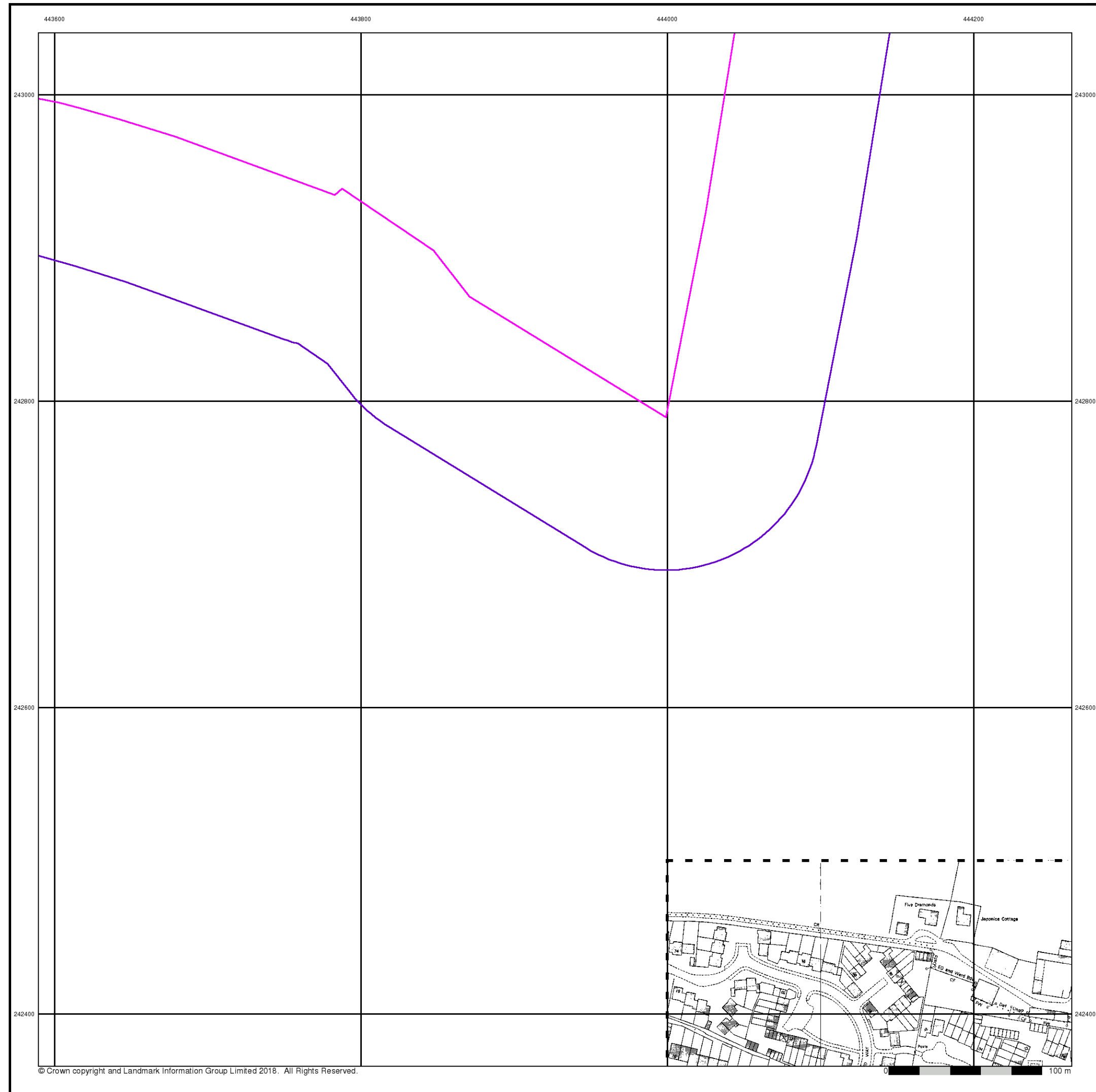
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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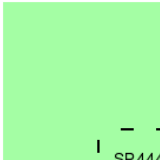
Ordnance Survey Plan

Published 1989

Source map scale - 1:1,250

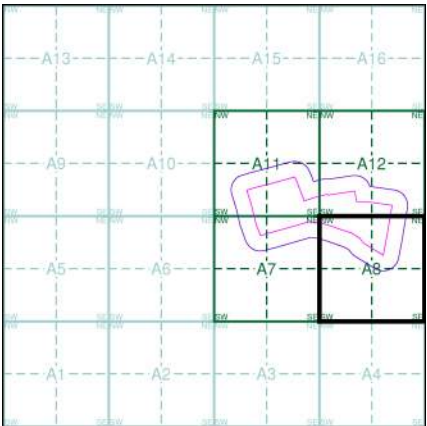
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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



SP4442SW
1989
1:1,250

Historical Map - Segment A8



Order Details

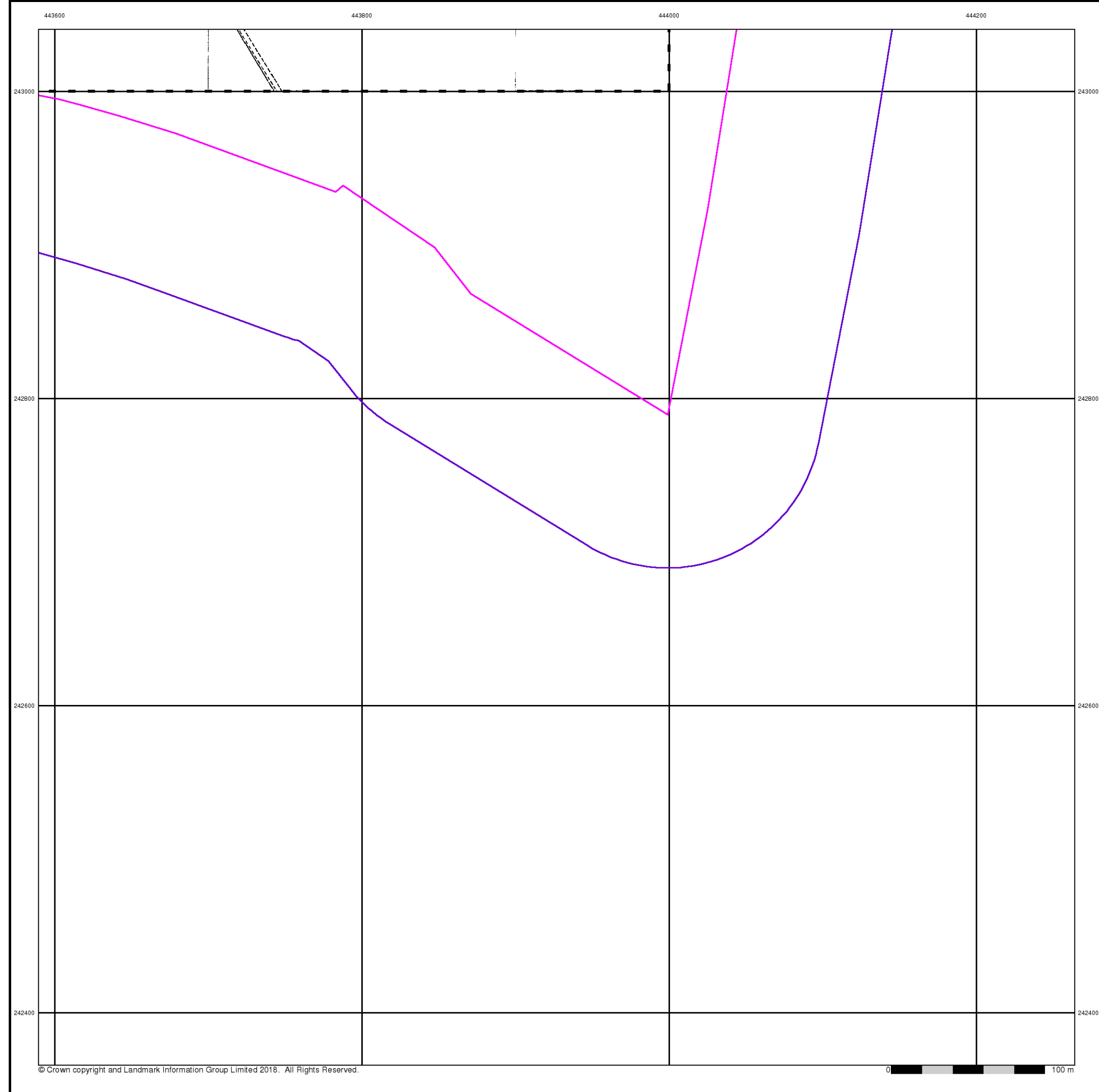
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

Warwick Road, BANBURY



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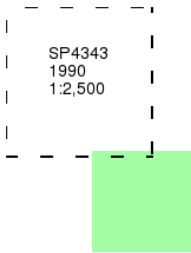
Additional SIMs

Published 1990

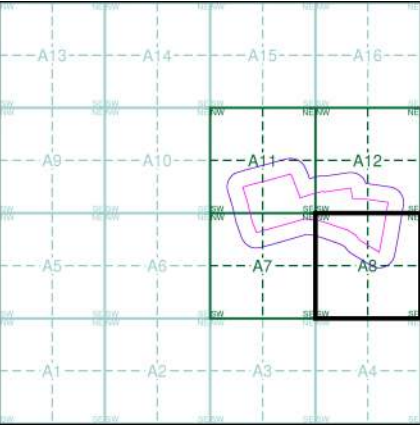
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, 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)



Historical Map - Segment A8



Order Details

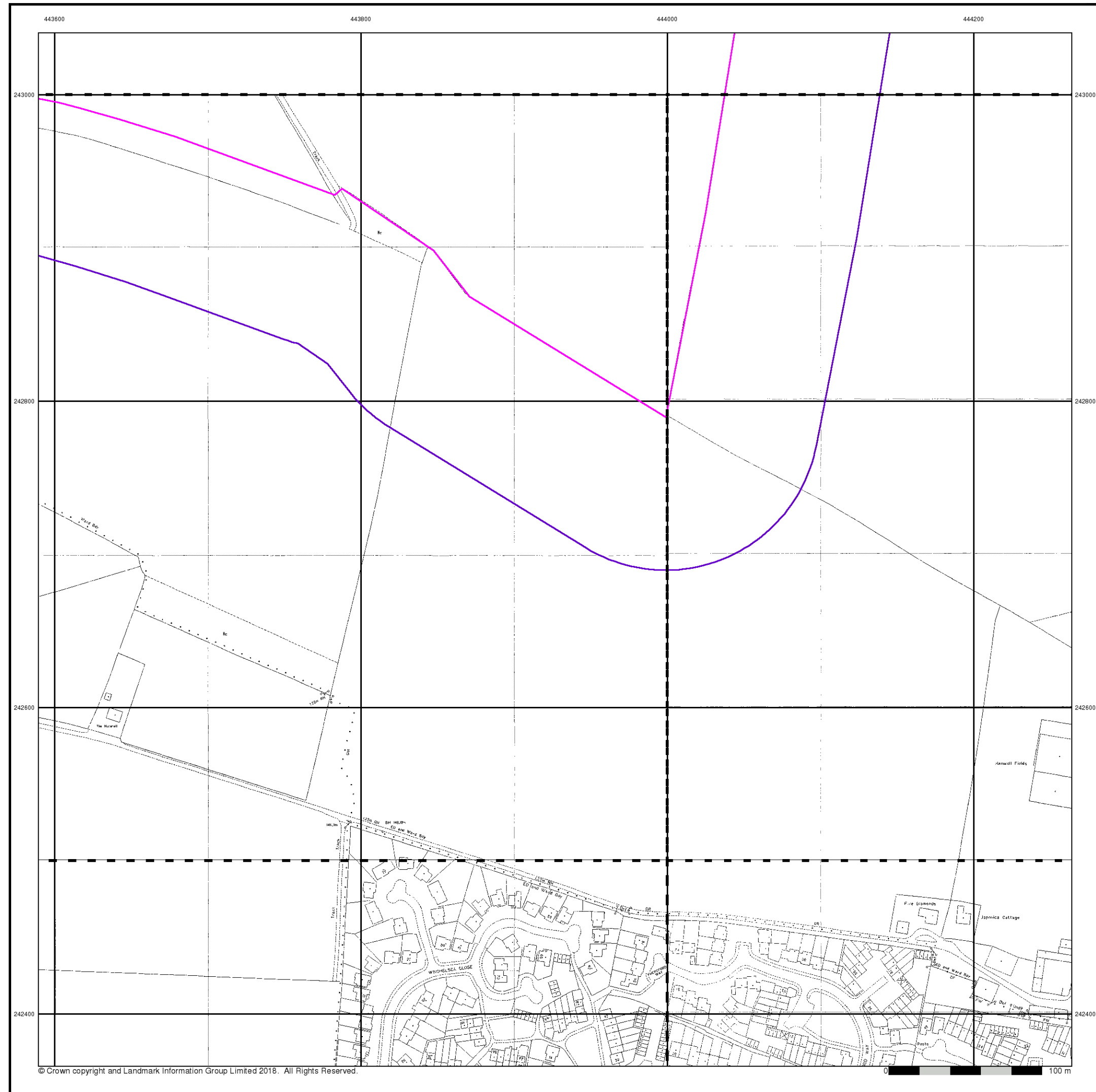
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

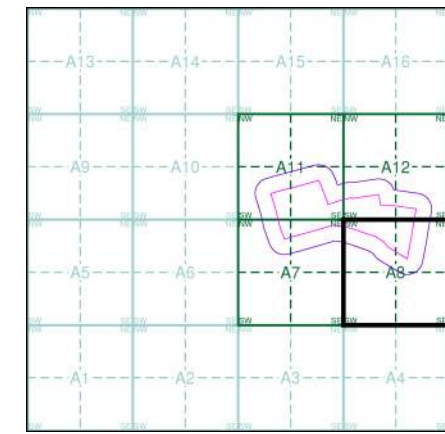
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded 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)

SP4342NE 1993 1:1,250	SP4442NW 1993 1:1,250
SP4342SE 1993 1:1,250	SP4442SW 1993 1:1,250

Historical Map - Segment A8



Order Details

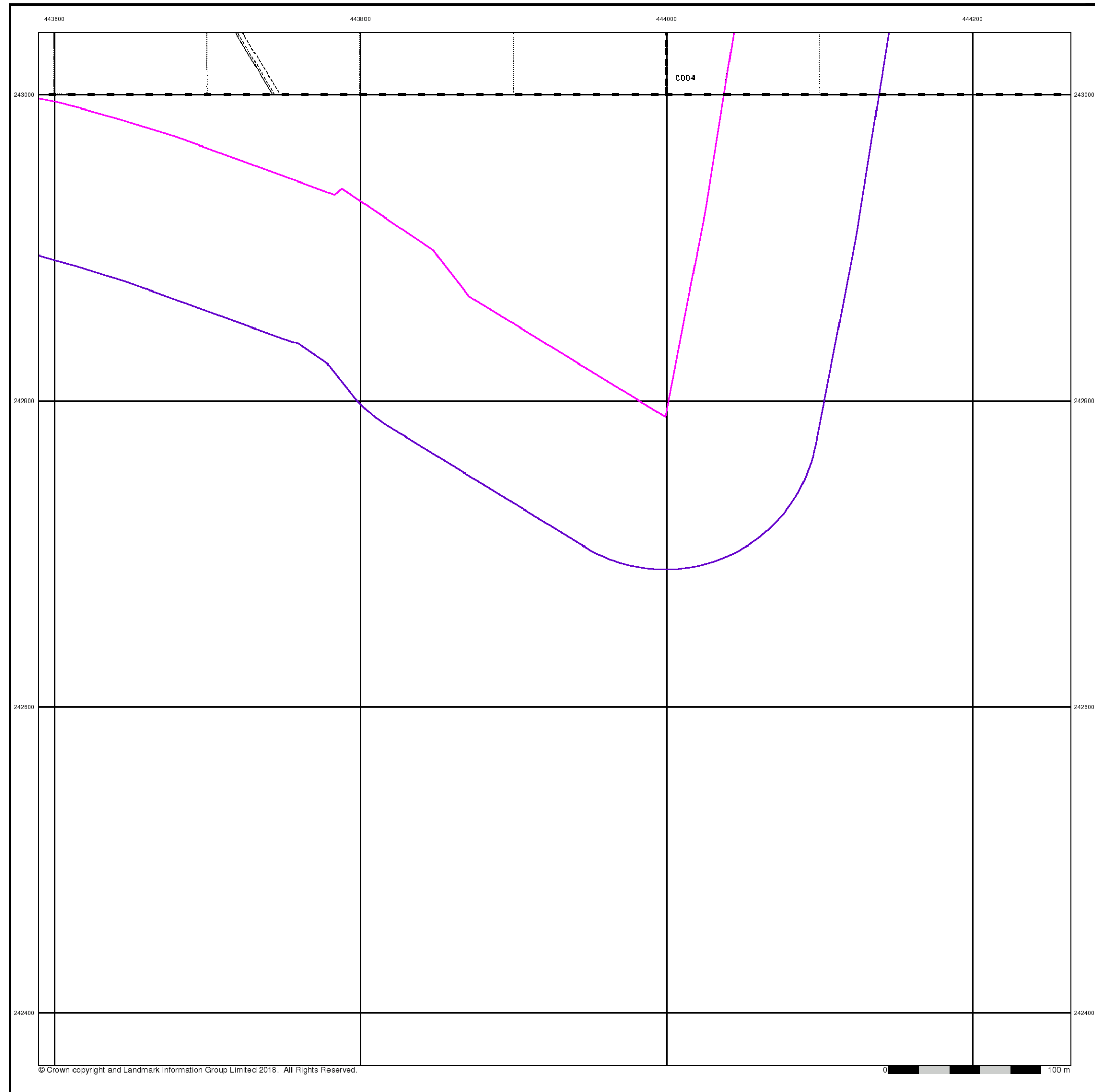
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

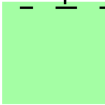
Published 1993

Source map scale - 1:2,500

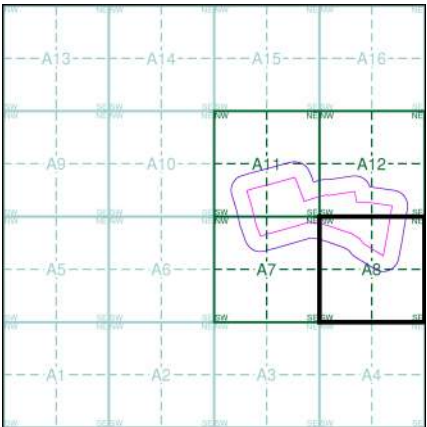
'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic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

Map Name(s) and Date(s)

SP4343 1993 1:2,500	SP4443 1993 1:2,500
---------------------------	---------------------------



Historical Map - Segment A8



Order Details

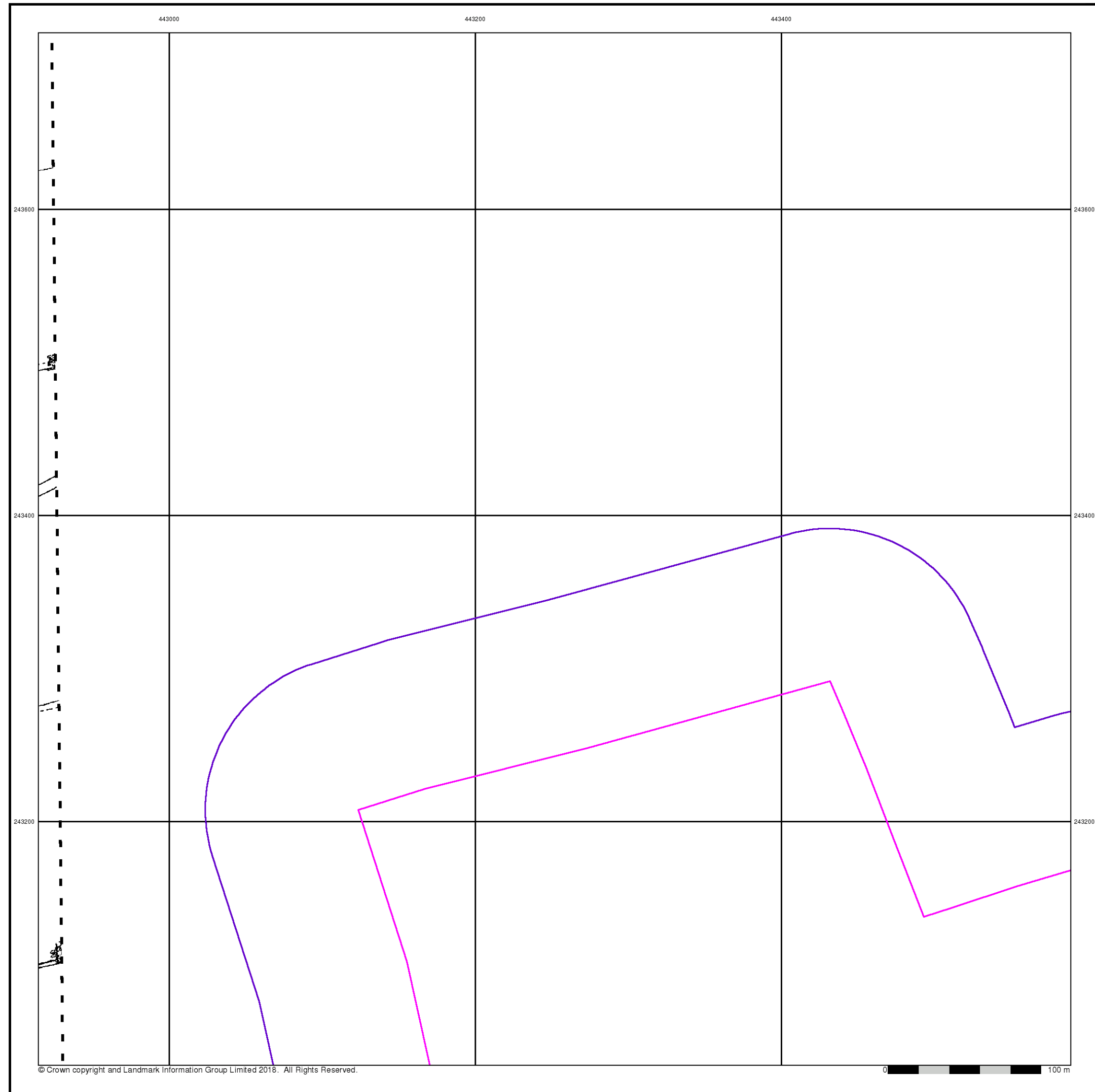
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100


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Warwickshire

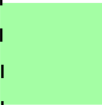
Published 1882

Source map scale - 1:2,500


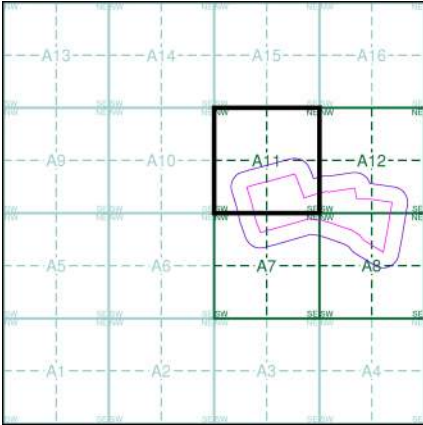
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain.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

055_03
1882
1:2,500



Historical Map - Segment A11




Order Details

Order Number:	175097433_1_1
Customer Ref:	17279
National Grid Reference:	443300, 243060
Slice:	A
Site Area (Ha):	22.38
Search Buffer (m):	100

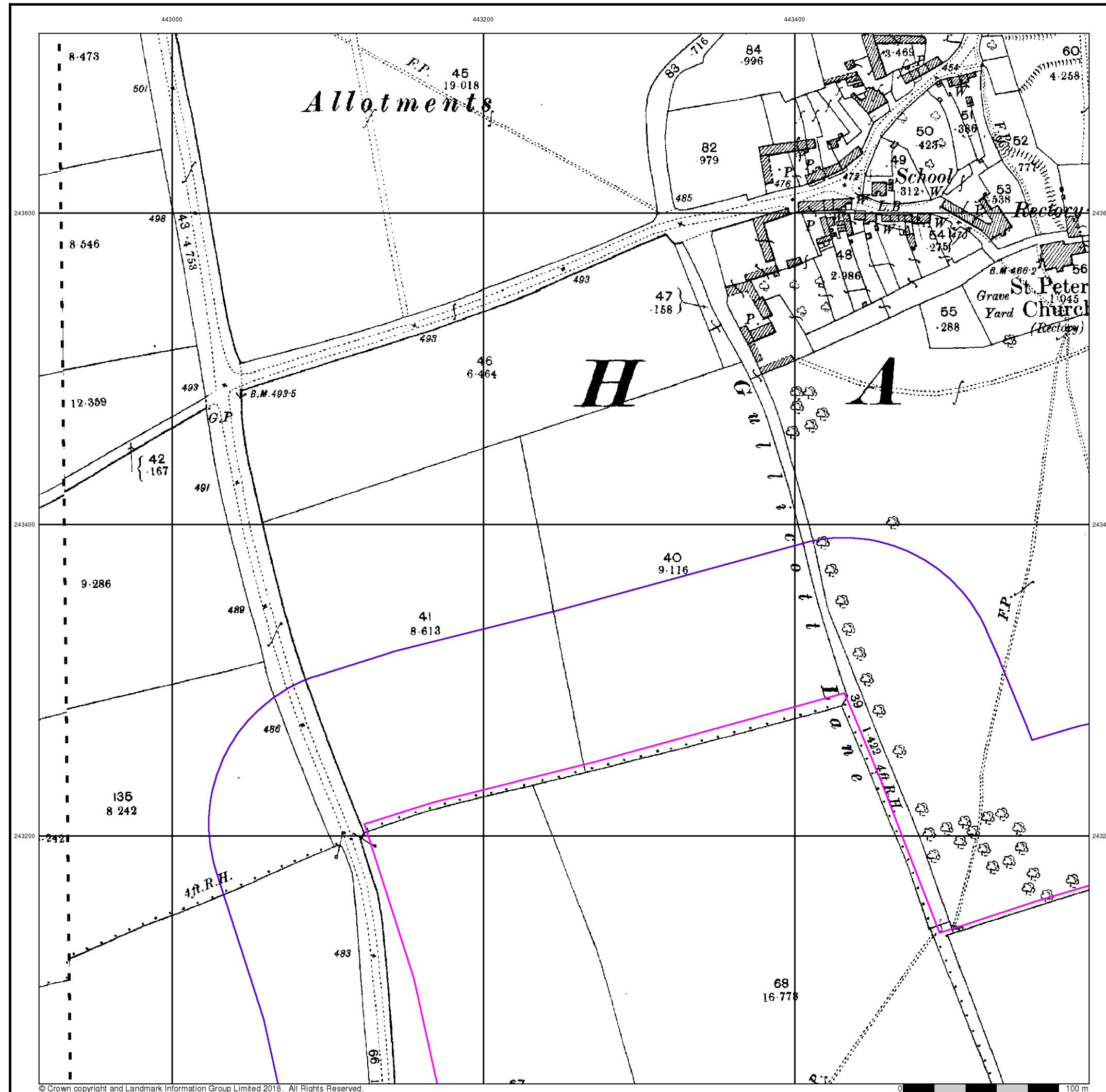
Site Details

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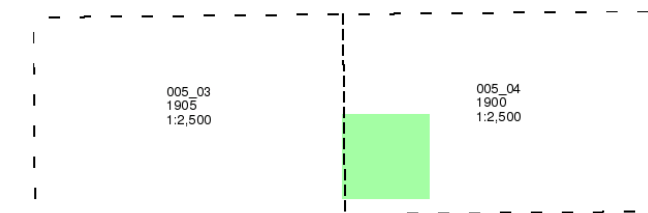
Oxfordshire

Published 1900 - 1905

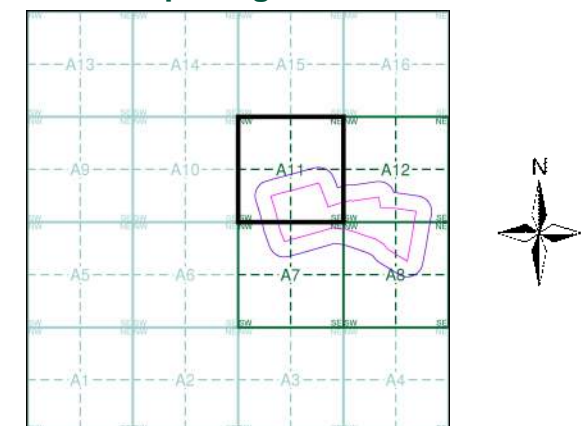
Source map scale - 1:2,500

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 A11



Order Details

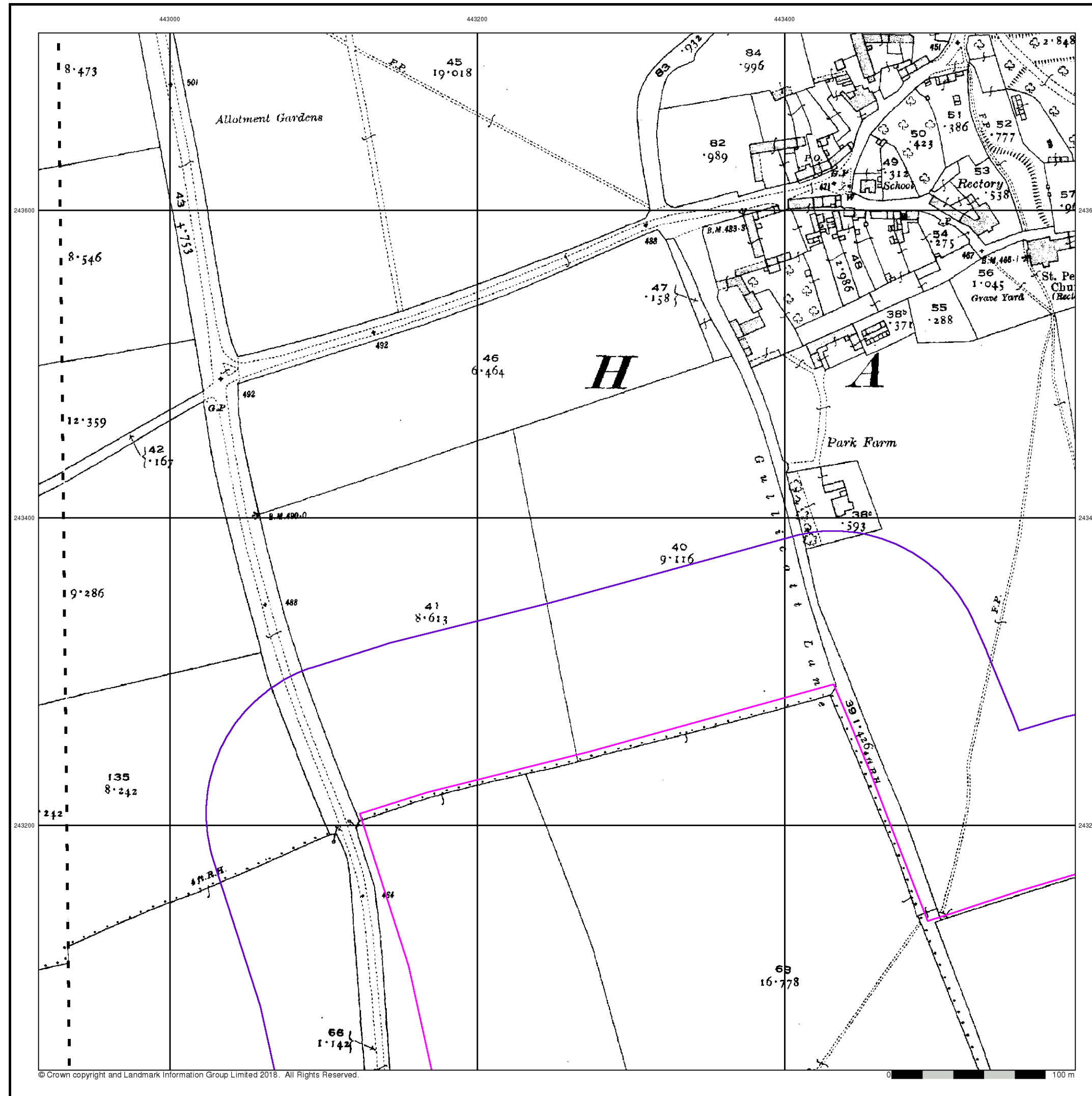
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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Jubb

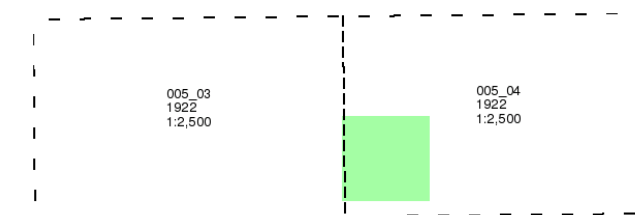
Oxfordshire

Published 1922

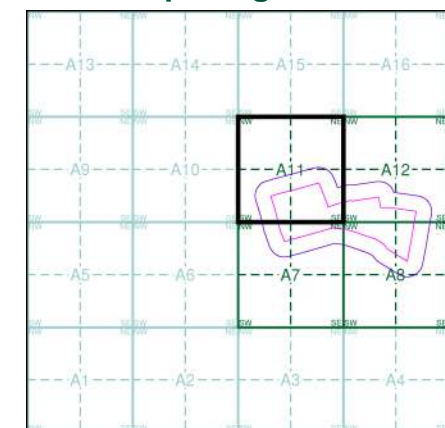
Source map scale - 1:2,500

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 A11



Order Details

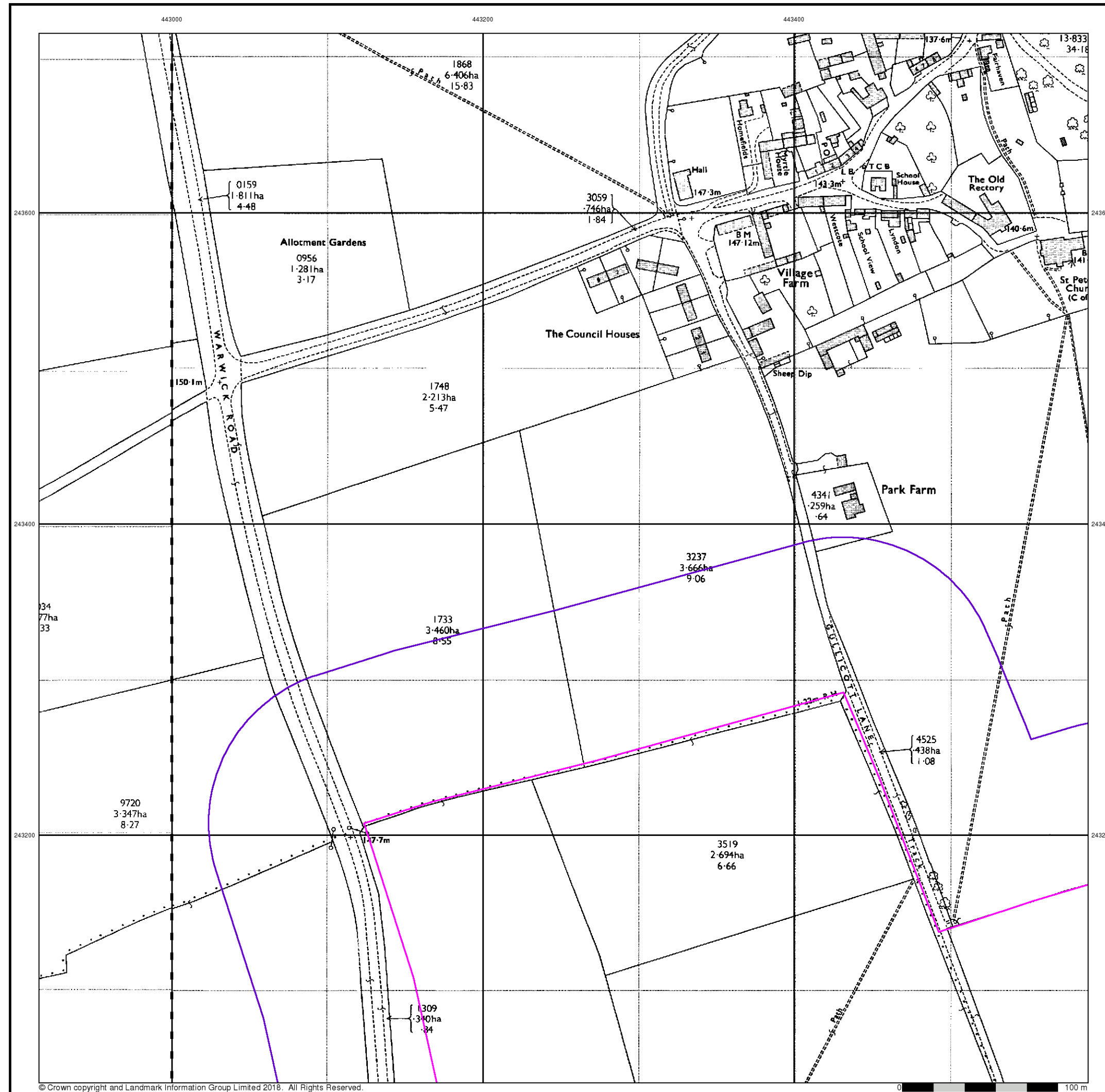
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
Search Buffer (m): 100

Site Details

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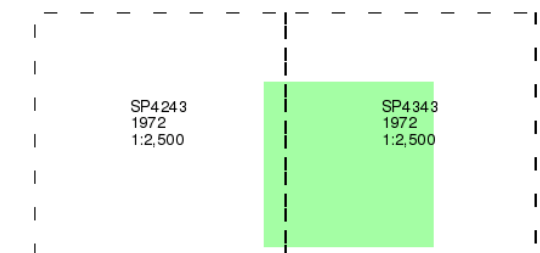
Ordnance Survey Plan

Published 1972

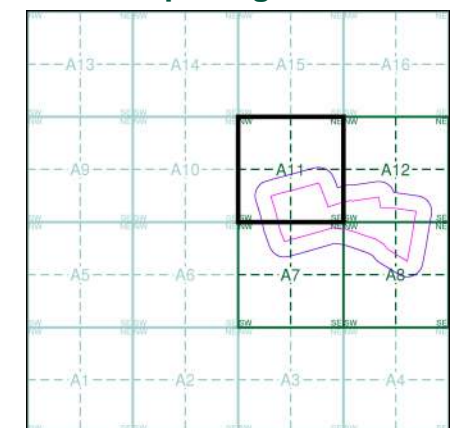
Source map scale - 1:2,500

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 A11



Order Details

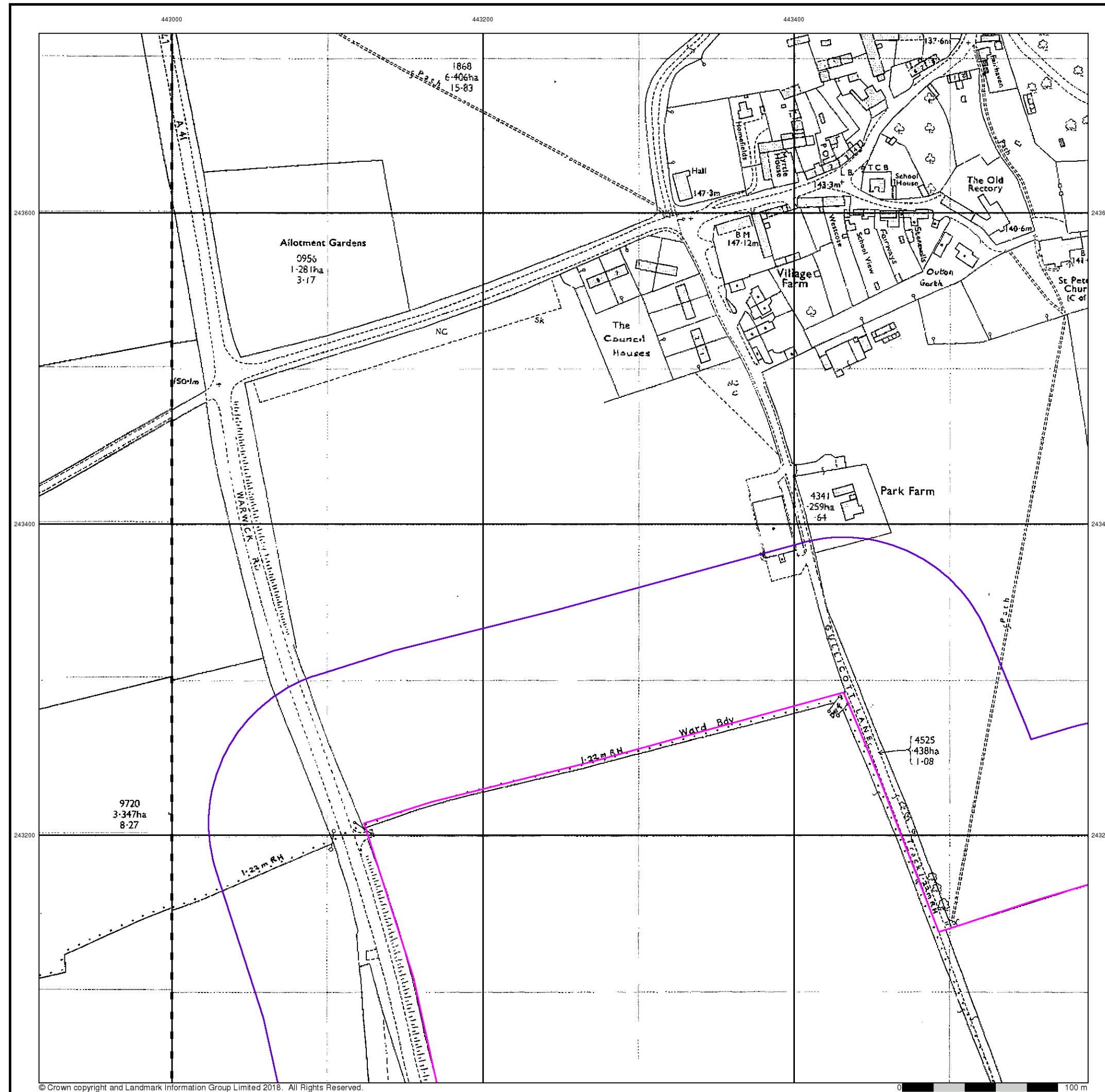
Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
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Site Details

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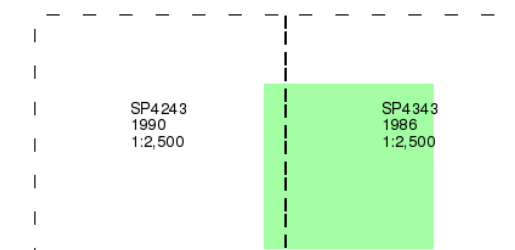
Additional SIMs

Published 1986 - 1990

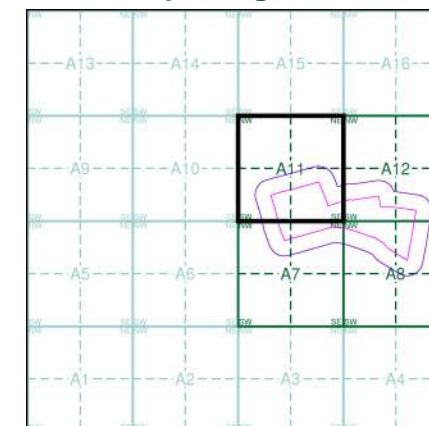
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions 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)



Historical Map - Segment A11



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
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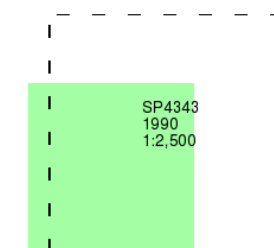
Additional SIMs

Published 1990

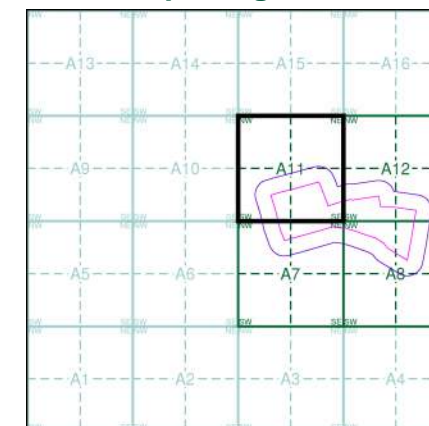
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, 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)



Historical Map - Segment A11



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
Site Area (Ha): 22.38
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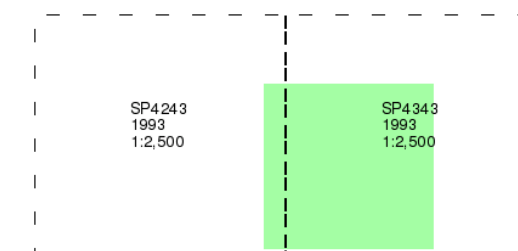
Large-Scale National Grid Data

Published 1993

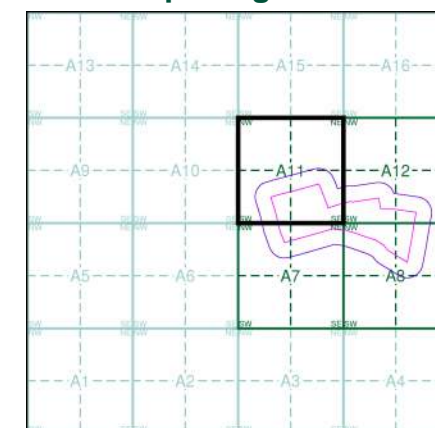
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A11



Order Details

Order Number: 175097433_1_1
Customer Ref: 17279
National Grid Reference: 443300, 243060
Slice: A
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Site Details

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APPENDIX F: GEOTECHNICAL RISK REGISTER

Title Hanwell Fields
Job no. 17279

Date 29/08/2018
Revision A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
1. Scoping	<input type="checkbox"/>				
1.1 Proposed Development	<input checked="" type="checkbox"/>	Residential development	Low		
1.2 Client/Developer	<input type="checkbox"/>				
1.3 Principal Contractor	<input type="checkbox"/>				
1.4 Principal Designer	<input type="checkbox"/>				
1.5 Appraisal objectives	<input type="checkbox"/>				
2. Data Sources	<input checked="" type="checkbox"/>	Publically available information			
2.1 Phase 1 Desk Study (PSSR)	<input checked="" type="checkbox"/>	Envirocheck Report			
2.2 Phase 2 Ground Investigation Report (GIR)	<input type="checkbox"/>				
2.3 Additional GIR	<input type="checkbox"/>				
2.4 Geotechnical Design Report (GDR)	<input type="checkbox"/>				
2.5 Detailed Design	<input type="checkbox"/>				
2.5.1 Analysis	<input type="checkbox"/>				
2.5.2 Drawings	<input type="checkbox"/>				
2.5.3 Specification	<input type="checkbox"/>				
2.5.4 Design Risk Assessment	<input type="checkbox"/>				
3. Published Geology	<input type="checkbox"/>				
3.1 Solid Geology	<input checked="" type="checkbox"/>	Marlstone Formation, Dyrham Formation, Charmouth Mudstone Formation	Low		Likely suitable for shallow foundations
3.2 Drift	<input type="checkbox"/>				

Title
Job no.

Hanwell Fields
17279

Date
Revision

29/08/2018
A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
3.3 Made Ground	<input checked="" type="checkbox"/>	Minimal agricultural made ground likely present	Low	Potential source of contamination	
4. Geomorphology	<input type="checkbox"/>				
4.1 Geomorphological Setting	<input type="checkbox"/>				
4.1.1 Mountains	<input type="checkbox"/>				
4.1.2 Hill Side	<input type="checkbox"/>				
4.1.3 Valley Side	<input type="checkbox"/>				
4.1.4 Fluvial	<input type="checkbox"/>				
4.1.5 Low Lying/flood plain	<input type="checkbox"/>				
4.1.6 Estuarine	<input type="checkbox"/>				
4.1.7 Coastal/Littoral	<input type="checkbox"/>				
4.1.8 Marine	<input type="checkbox"/>				
4.1.9 Plateau	<input type="checkbox"/>				
4.1.10 Karstic/Halite	<input type="checkbox"/>				
4.2 Slopes	<input type="checkbox"/>				
4.2.1 Aspect	<input type="checkbox"/>				
4.2.2 Average Slope Angle	<input type="checkbox"/>				
4.2.3 Slope Profile	<input type="checkbox"/>				
4.2.4 Terraced/Stepped Profile	<input type="checkbox"/>				
4.3 Groundwater	<input type="checkbox"/>				
4.3.1 Catchment	<input type="checkbox"/>				
4.3.2 Aquifer Status	<input checked="" type="checkbox"/>	Bedrock Secondary A and Secondary Undifferentiated Aquifers	Low	Potential shallow, artesian groundwater where Marlstone is present	Soakaways drainage potentially viable where Marlstone present

Title
Job no.

Hanwell Fields
17279

Date
Revision

29/08/2018
A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
4.3.3 Surface Water	<input checked="" type="checkbox"/>	Small unnamed channel near north east corner	Low		
4.4 Geohazards	<input type="checkbox"/>				
4.4.1 Rock Mass Stability	<input type="checkbox"/>				
4.4.2 Rockfall	<input type="checkbox"/>				
4.4.3 Landslide	<input type="checkbox"/>				
4.4.4 Cambering	<input type="checkbox"/>				
4.4.5 Gullying	<input type="checkbox"/>				
4.4.6 Debris and earth flow	<input type="checkbox"/>				
4.4.7 Rotational Slips	<input type="checkbox"/>				
4.4.8 Translational Slips	<input type="checkbox"/>				
4.4.9 Slope Creep	<input type="checkbox"/>				
4.4.10 Seismic	<input type="checkbox"/>				
4.4.11 Faulting	<input type="checkbox"/>				
4.4.12 Flooding	<input type="checkbox"/>				
4.4.13 Subsidence	<input type="checkbox"/>				
4.4.14 Heave	<input type="checkbox"/>				
4.4.15 Collapsible Ground	<input type="checkbox"/>				
4.4.16 Springs	<input type="checkbox"/>				
4.4.17 Artesian Water	<input type="checkbox"/>				
4.4.18 Scour/washout	<input type="checkbox"/>				
4.5 Anthropogenic hazards	<input type="checkbox"/>				
4.5.1 Mine Workings	<input type="checkbox"/>				
4.5.2 Shafts	<input type="checkbox"/>				
4.5.3 Adits/Level/issues	<input type="checkbox"/>				
4.5.4 Mineral extraction	<input type="checkbox"/>				

Title
Job no.

Hanwell Fields
17279

Date
Revision

29/08/2018
A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
4.5.5 Contaminated land	<input checked="" type="checkbox"/>	Potential for contamination from agricultural site use	Low		
4.5.6 Climate Change	<input type="checkbox"/>				
4.6 Vegetation	<input type="checkbox"/>				
4.6.1 Woodland	<input type="checkbox"/>				
4.6.2 Scrub	<input type="checkbox"/>				
4.6.3 Grassed/pasture	<input type="checkbox"/>				
4.6.4 Arable	<input type="checkbox"/>				
4.6.5 Hydrophyllic	<input type="checkbox"/>				
5. Land Use	<input type="checkbox"/>				
5.1 Classification	<input type="checkbox"/>				
5.1.1 Greenfield	<input checked="" type="checkbox"/>				
5.1.2 Brownfield	<input type="checkbox"/>				
5.1.3 Contaminated	<input type="checkbox"/>				
5.2 Category	<input type="checkbox"/>				
5.2.1 Urban	<input type="checkbox"/>				
5.2.2 Suburban	<input checked="" type="checkbox"/>	Site is on periphery of Banbury in area undergoing extensive residential development	Low		
5.2.3 Rural	<input type="checkbox"/>				
5.2.4 Wilderness	<input type="checkbox"/>				
5.3 Historic and Current Land use	<input type="checkbox"/>				
5.3.1 Industrial	<input type="checkbox"/>				
5.3.2 Residential	<input type="checkbox"/>				

Title
Job no.

Hanwell Fields
17279

Date
Revision

29/08/2018
A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
5.3.3 Commercial	<input type="checkbox"/>				
5.3.4 Agricultural	<input checked="" type="checkbox"/>		Low		
5.3.5 Public Utility	<input type="checkbox"/>				
5.3.6 Other	<input type="checkbox"/>				
5.4 Proposed Development	<input type="checkbox"/>				
5.4.1 Heavy/Industrial	<input type="checkbox"/>				
5.4.2 Light/Commercial	<input type="checkbox"/>				
5.4.3 Residential	<input checked="" type="checkbox"/>		Low		
5.4.4 Civil Engineering Structures	<input type="checkbox"/>				
5.4.5 Roads/Pavements	<input type="checkbox"/>				
5.4.6 Reclamation	<input type="checkbox"/>				
6. Ground Investigation Findings	<input type="checkbox"/>				
6.1 Superficial (drift) soils	<input type="checkbox"/>				
Granular	<input type="checkbox"/>				
Cohesive	<input type="checkbox"/>				
Mixed (e.g. Till)	<input type="checkbox"/>				
Plasticity	<input type="checkbox"/>				
Undrained Shear Strength	<input type="checkbox"/>				
Effective Stress Parameters	<input type="checkbox"/>				
Elastic Modulus	<input type="checkbox"/>				
Compressive Strength	<input type="checkbox"/>				
Settlement	<input type="checkbox"/>				
6.2 Rock	<input type="checkbox"/>				
Unit/Formation	<input type="checkbox"/>				
Compressive Strength	<input type="checkbox"/>				
Elastic Modulus	<input type="checkbox"/>				

Title Hanwell Fields
Job no. 17279

Date 29/08/2018
Revision A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
Angle of Internal Friction	<input type="checkbox"/>				
Settlement	<input type="checkbox"/>				
RMR/Q/Geological Strength Index	<input type="checkbox"/>				
6.3 Groundwater	<input type="checkbox"/>				
6.4 Report Recommendations	<input type="checkbox"/>				
6.4.1 Shallow Foundations	<input checked="" type="checkbox"/>	Shallow foundations anticipated to be viable	Low		Ground investigation to confirm depth and strength of suitable founding stratum
6.4.2 Deep Foundations	<input type="checkbox"/>				
6.4.2.1 Floor Slabs	<input type="checkbox"/>				
6.4.3 Frost Action	<input type="checkbox"/>				
6.4.4 Temporary excavation stability	<input type="checkbox"/>				
6.4.5 Rippability	<input type="checkbox"/>				
6.4.6 Permanent slope angle of repose	<input type="checkbox"/>				
6.4.7 Groundwater	<input checked="" type="checkbox"/>	Potential shallow artesian groundwater	Medium		Groundwater standpipes to be installed
6.4.8 Earthworks	<input type="checkbox"/>				
6.4.9 Ground Improvement	<input type="checkbox"/>				
6.4.10 Geotechnical process works	<input type="checkbox"/>				
6.4.11 Retaining Walls	<input type="checkbox"/>				
6.4.12 Pavements	<input type="checkbox"/>				
6.4.13 Other Structures	<input type="checkbox"/>				
6.4.14 Basements	<input type="checkbox"/>				
6.4.15 SUDS Infiltration testing	<input type="checkbox"/>				

Title
Job no.

Hanwell Fields
17279

Date
Revision

29/08/2018
A



Section	Applicable	Details	Risk Rating	Constraints	Opportunities
6.4.16 Concrete Durability	<input checked="" type="checkbox"/>	Natural strata not anticipated to be high sulphate	Low		BRE SD1 testing
6.4.17 NHBC Trees	<input type="checkbox"/>				

APPENDIX G: CONTAMINATION RISK ASSESSMENT METHODOLOGY AND DEFINITIONS

CONTAMINATION ASSESSMENT METHODOLOGY

The DEFRA and Environment Agency Contaminated Land Report 11 (CLR11) 'Model Procedures for the Management of Land Contamination' provides a technical framework for structured decision making about land contamination.

A1. Definition of Risk

CLR11 defines risk as "a combination of probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence".

A2. The Concept of the 'Pollutant Linkage'

In the context of contaminated land, there are three essential elements to any risk:

- a **contaminant (or source)** – a substance that is in, on or under land and has the potential to cause harm or cause pollution of controlled waters.
- a **receptor** - humans, ecological system, water body or property.
- a **pathway** – a route or means by which a receptor can be exposed to, or affected by, a contaminant.

Each of these elements can exist separately; however, they create a risk only where they are linked together forming a **pollutant linkage**.

A3. Conceptual Site Models

A conceptual site model represents the characteristics of the site in diagrammatic or written form that shows the possible relationships between contaminants, pathways and receptors (pollutant linkages).

For all potential pollutant linkages identified, the *consequence* and *probability* of occurrence is qualitatively assessed, and a *risk* assigned.

A4. The Tiered Risk Assessment Approach

CLR11 presents a tiered approach to risk:

Tier 1 *Preliminary risk assessment (PRA)*

The purpose of the preliminary risk assessment is to develop an initial conceptual model of the site and to establish whether or not there are potentially unacceptable risks. If potential risks are identified the initial conceptual model is developed in subsequent tiers of the risk assessment process.

Tier 2 *Generic quantitative risk assessment (GQRA)*

The purpose of the generic quantitative risk assessment is to establish whether generic assessment criteria and assumptions are appropriate for assessing the risks and, if so, to apply them to establish whether there are actual or potential unacceptable risks. It also determines whether further detailed quantitative risk assessment is required.

Tier 3 *Detailed quantitative risk assessment (DQRA)*

The purpose of the detailed quantitative risk assessment is to establish and use more detailed site-specific information and criteria to decide whether there are unacceptable risks. It may be used as the sole method of quantitative assessments of risks, or it may be used to refine earlier assessments using generic assessment criteria.

B. RISK ASSESSMENT DEFINITIONS

B1. General

The following classification and definition of risk assessment has been based on that set out in NHBC and EA Publication R&D 66 – Guidance on the Safe Development of Housing on Land Affected by Contamination (2008).

The key to the classification is that the designation of risk is based upon the consideration of both:

- the magnitude of the potential consequence (i.e. severity)**, which considers both the potential severity of the hazard, and the sensitivity of the receptor.
- the magnitude of probability (i.e. likelihood)**, which considers both the presence of the hazard, the receptor, and the integrity of the pathway.

B2. Classification of Consequence

Classification	Definition	Examples
Severe	<p>Highly elevated concentrations likely to result in "significant harm" to human health as defined by the EPA 1990, Part 2A, if exposure occurs.</p> <p>Equivalent to EA Category 1 pollution incident including persistent and/or extensive effects on water quality; leading to closure of a potable abstraction point; major impact on amenity value or major damage to agriculture or commerce.</p> <p>Major damage to aquatic or other ecosystems, which is likely to result in a substantial adverse change in its functioning or harm to a species of special interest that endangers the long-term maintenance of the population.</p> <p>Catastrophic damage to crops, buildings or property.</p>	<p>Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</p> <p>Major fish kill in surface water from large spillage of contaminants from site.</p> <p>Highly elevated concentrations of List I and II substances present in groundwater close to small potable abstraction (high sensitivity).</p> <p>Explosion, causing building collapse (can also equate to immediate human health risk if buildings are occupied).</p>
Medium	<p>Elevated concentrations which could result in "significant harm" to human health as defined by the EPA 1990, Part 2A if exposure occurs.</p> <p>Equivalent to EA Category 2 pollution incident including significant effect on water quality; notification required to abstractors; reduction in amenity value or significant damage to agriculture or commerce.</p> <p>Significant damage to aquatic or other ecosystems, which may result in a substantial adverse change in its functioning or harm to a species of special interest that may endanger the long-term maintenance of the population.</p> <p>Significant damage to crops, buildings or property.</p>	<p>Significant harm to humans is defined in circular 01/2006 as death, disease*, serious injury, genetic mutation, birth defects or the impairment of reproductive functions.</p> <p>Damage to building rendering it unsafe to occupy e.g. foundation damage resulting in instability.</p> <p>Ingress of contaminants through plastic potable water pipes.</p>
Mild	<p>Exposure to human health unlikely to lead to "significant harm".</p> <p>Equivalent to EA Category 3 pollution incident including minimal or short lived effect on water quality; marginal effect on amenity value, agriculture or commerce.</p> <p>Minor or short lived damage to aquatic or other ecosystems, which is unlikely to result in a substantial adverse change in its functioning or harm to a species of special interest that would endanger the long-term maintenance of the population.</p> <p>Minor damage to crops, buildings or property.</p>	<p>Exposure could lead to slight short-term effects (e.g. mild skin rash).</p> <p>Surface spalling of concrete.</p>
Minor	<p>No measurable effect on humans.</p> <p>Equivalent to insubstantial pollution incident with no observed effect on water quality or ecosystems.</p> <p>Repairable effects of damage to buildings, structures and services.</p>	<p>The loss of plants in a landscaping scheme.</p> <p>Discoloration of concrete.</p>

* For these purposes, disease is to be taken to mean an unhealthy condition of the body or a part of it and can include, for example, cancer, liver dysfunction or extensive skin ailments. Mental dysfunction is included only insofar as it is attributable to the effects of a pollutant on the body of the person concerned.

B3. Classification of Probability

Only applies if there is a possibility of a pollutant linkage being present.

Classification	Definition	Examples
High likelihood	There is pollutant linkage and an event would appear very likely in the short-term and almost inevitable over the long-term, or there is evidence at the receptor of harm or pollution.	<p>a) Elevated concentrations of toxic contaminants are present in soils in the top 0.5m in a residential garden.</p> <p>b) Ground/groundwater contamination could be present from chemical works, containing a number of USTs, having been in operation on the same site for over 50</p>
Likely	There is pollutant linkage and all the elements are present and in the right place which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short-term and likely over the long-term.	<p>a) Elevated concentrations of toxic contaminants are present in soils at depths of 0.5-1.0m in a residential garden, or the top 0.5m in public open space.</p> <p>b) Ground/groundwater contamination could be present from an industrial site containing a UST present between 1970 and 1990. The tank is known to be single skin. There is no evidence of leakage although there are no records of integrity tests.</p>
Low likelihood	There is pollutant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a long period such an event would take place, and is less likely in the shorter term.	<p>a) Elevated concentrations of toxic contaminants are present in soils at depths >1m in a residential garden, or 0.5-1.0m in public open space.</p> <p>b) Ground/groundwater contamination could be present on a light industrial unit constructed in the 1990s containing a UST in operation over the last 10 years – the tank is double skinned but there is no integrity testing or evidence of leakage.</p>
Unlikely	There is pollutant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.	<p>a) Elevated concentrations of toxic contaminants are present below hard standing.</p> <p>b) Light industrial unit <10 yrs. old containing a double-skinned UST with annual integrity testing results available.</p>

Note: A pollution linkage must first be established before probability is classified. If there is no pollution linkage, then there is no potential risk. If there is no pollution linkage, then there is no need to apply tests for probability and consequence.

For example, if there is surface contamination and a major aquifer is present at depth, but this major aquifer is overlain by an aquiclude of significant thickness then there is no pollution linkage and the risks to the major aquifer are not assessed. The report should identify both the source and the receptor but state that because there is no linkage there are no potential risks.

B4. The Classification of Risk

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Low risk
	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

B5. Description of the Classified Risks

Very high risk

There is a high probability that severe harm could arise to a designated receptor from an identified hazard at the site without remediation action OR there is evidence that severe harm to a designated receptor is already occurring. Realisation of that risk is likely to present a substantial liability to be site owner/or occupier. Investigation is required as a matter of urgency and remediation works likely to follow in the short-term.

High risk

Harm is likely to arise to a designated receptor from an identified hazard at the site without remediation action. Realisation of the risk is likely to present a substantial liability to the site owner/or occupier. Investigation is required as a matter of urgency to clarify the risk. Remediation works may be necessary in the short-term and are likely over the longer term.

Moderate risk

It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, and if any harm were to occur it is more likely, that the harm would be relatively mild. Further investigative work is normally required to clarify the risk and to determine the potential liability to site owner/occupier. Some remediation works may be required in the longer term.

Low risk

It is possible that harm could arise to a designated receptor from identified hazard, but it is likely at worst, that this harm if realised would normally be mild. It is unlikely that the site owner/or occupier would face substantial liabilities from such a risk. Further investigative work (which is likely to be limited) to clarify the risk may be required. Any subsequent remediation works are likely to be relatively limited.

Very low risk

It is a low possibility that harm could arise to a designated receptor, but it is likely at worst, that this harm if realised would normally be mild or minor.

No potential risk

There is no potential risk if no pollution linkage has been established.

B6. Definitions

Term	Definition
Hazard	A property or situation which in certain circumstances could lead to harm. The properties of different hazards must be assessed in relation to their potential to affect the various receptors.
Risk	A combination of the probability or frequency of the occurrences of a defined hazard AND the magnitude of the consequences of that occurrence.
Probability	The mathematical expression of the chance of a particular event in a given period of time [e.g. probability of 0.2 is equivalent to 20% or a 1 in 5 chance].
Impact	The adverse effects (or harm) arising from a defined hazard which impairs the quality of the environment or human health in the short or longer term.
Pollution linkage	An identified pathway is capable of exposing a receptor to a contaminant and that contaminant is capable of harming the receptor.

APPENDIX H: LIMITATIONS AND EXCEPTIONS

Limitations and Exceptions

1. The advice given in this report is based on the guidelines available at the time of writing.
2. This investigation was conducted so as to generally comply with the relevant principles and requirements of BS10175: 2011 "Investigation of potentially contaminated sites - Code of Practice" and BS 5930:2015 "Code of Practice for Site Investigations".
3. The Client is advised that the conditions observed on site by Jubb Consulting Engineers Ltd (JCE) at the time of the investigation or assessment are subject to change. Certain indicators of the presence of hazardous substances may have been latent at the time of the most recent site reconnaissance or investigation and they may subsequently have become observable. Ground conditions, including geotechnical properties may vary between points of observation, sampling and testing.
4. Certain areas of site had restricted access or were inaccessible due to the presence of in-use buildings, facilities and live services, as identified in this report. These may require further investigation outside the scope of this present investigation.
5. Comments made relating to land gas or groundwater conditions are based on observations made at the time of an investigation unless otherwise stated. Land gas and groundwater conditions may vary as a result of seasonal or other effects.
6. Ground contamination often exists as small discrete areas of contamination and there can be no certainty that any or all such areas have been located, sampled and/or identified.
7. The findings and opinions conveyed in this report are based on information obtained from a variety of sources, including that from previous site investigations and chemical and geotechnical testing laboratories, and which JCE has assumed are correct. Nevertheless, JCE cannot and does not guarantee the authenticity or reliability of the information it has used or cited. JCE can accept no responsibility for inaccuracies within the data supplied by other parties.
8. This report is written in the context of an agreed scope of work between JCE and the Client and should not be used in a different context. In the light of additional information becoming available, improved practices and changes in legislation, amendment or re-interpretation of the assessment or report in whole or part may be necessary after its original submission.
9. This report is provided for sole use by the Client and is confidential to them. No responsibility whatsoever for the contents of the report will be accepted to anyone other than the Client.
10. This report is not a specification for works.
11. JCE believes that providing information about limitations is essential to help the Client identify and thereby manage risks.
12. JCE does not provide legal advice and the advice of the Clients' legal advisors may also be required.
13. JCE retain the copyright in this report and all drawings reproduced in it.