

Transport, Environment & Design

Bridge End, Newton Poppleford Tier 1 Preliminary Risk Assessment

September 2023



Document Control Sheet

Project Reference: HCE1140
Project Title: Bridge End, Newton Poppleford
Document Subject: Tier 1 Preliminary Risk Assessment
Document Reference: HCE1140.PRA
Author: Jamie Howourth
Checked: Hailey Tamblyn
Client: Mr Kevin Howe
Initial Issue Date: 12 September 2023

Revision of Issue

Revision	Revision Author	Checked	Date
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Distribution

Organisation	Contact	Issue Format & No. of Copies *	Date
Bell Cornwell	Iestyn John	D1	12-Sep-23

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Revision Schedule

Revision	Author	Description	Date
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Executive Summary

Topic	Discussion
Commission & Background	Horizon Consulting Engineers Limited (Horizon) was commissioned by Bell Cornwell on behalf of Mr Kevin Howe (the Client) to undertake a Tier 1 Preliminary Risk Assessment (PRA) comprising a desktop study and walkover for the land at Bridge End, Newton Poppleford, Devon, EX10 0NG (the Site). The Client is seeking to redevelop the Site as a two-storey residential building.
Setting	The Site comprises an existing disused building, which was formerly a saw mill, depot and car breakers / scrap yard. The Site is located to the east of Newton Poppleford, and is bordered to the immediate west by the River Otter and to the north by the A3052.
History	In summary, the oldest historic Ordnance Survey map, dated 1889, shows the Site to be part of agricultural land. Mapping from 1905 shows the railway line and station approximately 125 m to the west with a smithy present adjacent to the A3052 to the north. In 1932, the existing building on-Site is shown and the smithy is no longer recorded. Anecdotally, the Site was used as a saw mill in the 1970s. In 1989, the alignment of the River Otter to the west and south of the Site appears to be altered slightly and the building on-Site is recorded as a depot. Anecdotally, in recent years the Site has been used for storage of construction materials / waste and scrap metal.
Ground Model	<p>Underlying geology is shown on BGS records to comprise the Helsby Sandstone Formation described as "<i>Fine- to medium-grained, locally micaceous, cross-bedded and flat-bedded sandstones, weathering to sand near surface</i>". Superficial alluvial deposits are also present on-Site associated with the River Otter to the west of the Site</p> <p>The Site is located in a Zone 3 Groundwater Source Protection Zone (SPZ) as classified by the Environment Agency. The nearest Zone 2 and Zone 1 are located 81 m and 471 m to the north respectively. The nearest groundwater abstraction is a public water supply borehole located 558 m north of the Site (associated the SPZs), operated by South West Water. There are several other groundwater abstractions within 1 km of the Site relating to public water supply borehole.</p> <p>The River Otter is the nearest water feature located adjacent to the west of the Site. There is also a minor watercourse running north-south approximately 30 m east of the Site. The Site is located within Flood Zone 3, associated with a high risk of flooding from the River Otter.</p>
CSM	<p>A small number of potential contaminant linkages have been identified at the Site the risks are generally considered to be medium to low and the Site likely suitable for its proposed use on the basis that:</p> <p>Although contamination sources are likely to be small and discrete, the Site is located within a sensitive location due to shallow groundwater and close proximity to a main watercourse.</p> <p>As part of the proposed development, all surface rubbish and scrap metal will be removed from Site (i.e oil drums, containers, tyres). By removing the source of potential contamination, this will reduce the risk of exposure to receptors.</p> <p>There are no main living spaces on the ground floor, this will mitigate the risk of exposure to receptors from any potential ground gas migrating into the building.</p> <p>A reduced level dig is proposed within the building footprint to accommodate two storeys and as such residual shallow contamination within surface soils will be removed therefore further mitigating the risk of exposure to receptors. If any arisings are to be re-used on-Site as a result of the development, chemical testing should be carried out to confirm suitability for its potential re-use.</p> <p>Any proposed areas of private garden or soft landscaping will require a clean layer of subsoil and topsoil unless existing soil is proven to be suitable following a ground investigation and chemical testing of soil samples.</p> <p>Based on the above it is recommended that a ground investigation is carried out within the curtilage of the property to confirm the presence/absence of contamination within near-surface soils and mitigate the medium risk to the environment.</p>
Health, Safety & Environmental Management	During construction works, potential health, safety and environmental risks to construction workers, users of neighbouring sites and off-site environmental receptors are considered to be low to medium. Notwithstanding this, plant, chemicals and materials should be stored, managed and used in accordance with Environment Agency guidelines and best practice to mitigate against any potential risks. Prior to construction, a specialist should be consulted to provide advice with respect to the presence of Himalayan Balsam.
Unexpected Finds	An Unexpected Finds protocol is included in this report in the event unknown materials are encountered during construction works on the basis of visual or olfactory observations. The Unexpected Finds protocol requires works to cease in that area with the area cordoned off and made safe. A suitably qualified geoenvironmental is to undertake investigations and assessment works as appropriate, with any remedial to be agreed with the Local Authority.

1. Introduction

1.1 Commission

1.1.1 Horizon Consulting Engineers Limited (Horizon) was commissioned by Bell Cornwell on behalf of Mr Kevin Howe (the Client) to undertake a Tier 1 Preliminary Risk Assessment (PRA) comprising a desktop study and walkover for the land at Bridge End, Newton Poppleford, Devon, EX10 0NG (the Site).

1.2 Background

1.2.1 The Site comprises an existing disused building, which was formerly a saw mill, depot and car breakers / scrap yard. The Site is located to the east of Newton Poppleford, and is bordered to the immediate west by the River Otter and to the north by the A3052.

1.2.2 The Client is seeking to redevelop the Site as a two-storey residential building. It is proposed to retain as much of the existing building and its characteristics as possible. A proposed development plan is provided in (**Appendix A**). The plans indicate the living space to be on the first floor with the ground floor used as a workshop and garage.

1.3 Aims and Objectives

1.3.1 In view of the above, the purpose of this report is as follows:

characterisation of the Site including developing a Conceptual Site Model (CSM) identifying potential risks to human health and the environment associated with the Site's proposed use based on desk-based information sources.

1.4 Data Sources

1.4.1 Data on the existing conditions at the Site has been collated based on publicly available information (such as documents obtained from East Devon District Council) supported by an Envirocheck report (Reference: 316264042_1), included in **Appendix B**.

1.5 Methodology

1.5.1 The approach, scope and methodology of this Tier 1 PRA have been developed and conducted in general accordance with Client requirements and UK guidance and standards including documents published by the Environment Agency, DEFRA, British Standards Institute (BSI), Construction Industry Research and Information Association (CIRIA) and Contaminated Land: Applications in Real Environments (CL:AIRE).

1.5.2 Horizon has followed a phased approach to evaluation of geoenvironmental risks, with the CSM developed on the basis of the desk-based assessment

2. Existing Conditions

2.1 Location

2.1.1 The Site is located off the A3052, to the east of the town of Newton Poppleford (nearest post code EX10 0NG) and is bound by the A3052 to the north, agricultural land to the east and south and the River Otter to the west. The approximate Site centre is located at Ordnance Survey grid reference: 309160E, 89840N.

2.1.2 A Site location map is provided as **Figure 2-1** with the approximate Site location shown in purple.



Contains Ordnance Survey data © Crown Copyright and database right 2023

Figure 2-1: Site Location Plan

2.2 Site Description & Walkover Survey

2.2.1 Horizon carried out a Site walkover on 05 September 2023 with photos included in **Appendix C** and key features annotated on **Figure 1** in **Appendix D**.

2.2.2 The Site is accessed in the north-east off the A3052 via a gate. The ground level is predominantly flat and is surfaced by broken tarmac, open ground, overgrown vegetation, and various construction / waste / scrap metal materials. The Site is surrounded by mature trees.

2.2.3 The main building in the south-west, believed to be constructed in the 1930s, has a metal frame with corrugated metal sheeting and is in poor condition (rusted / broken sheeting) albeit the main frame remains standing. The building is separated in two – one side being used as storage of construction materials and scrap metal and the other (not accessed as was blocked off) is anecdotally a vacant garage / workshop room. Within the confines of the building and across the Site are a variety of construction and waste materials and remnants of the Site's history as a depot (empty oil drums / containers, old engineering tools, tyres etc).

- 2.2.4 In the north of the Site there are two large container units used for storage (Photograph 06, **Appendix C**). In the west of the Site there is a vegetated stockpile of material (construction material such as brick, concrete and soil) and a dis-used caravan. The stockpile is estimated to be less than 100 m³ (Photograph 07, **Appendix C**). Himalayan balsam is abundant across the Site including on the stockpile (Photograph 04, **Appendix C**).
- 2.2.5 Anecdotally, fly-tipping has been carried out recently at the Site, evident by the presence of old mattresses and fridge-freezers (Photograph 06, **Appendix C**).

2.3 Geology

- 2.3.1 Underlying geology is shown on BGS records to comprise the Helsby Sandstone Formation described as “*Fine- to medium-grained, locally micaceous, cross-bedded and flat-bedded sandstones, weathering to sand near surface*”.
- 2.3.2 Superficial alluvial deposits are also present on-Site associated with the River Otter to the west of the Site.
- 2.3.3 There are no BGS boreholes recorded within the vicinity of the Site.

2.4 Hydrogeology

- 2.4.1 The Helsby Sandstone Formation is classified as a Principal aquifer, defined as “*layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale*”.
- 2.4.2 The Superficial Deposits are classified as a Secondary A aquifer, 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.*”
- 2.4.3 The Site is located in a Zone 3 Groundwater Source Protection Zone (SPZ) as classified by the Environment Agency. The nearest Zone 2 and Zone 1 SPZs are located 81 m and 471 m to the north respectively.
- 2.4.4 The nearest groundwater abstraction is a public water supply borehole located 558 m north of the Site (associated the SPZs), operated by South West Water. There are several other groundwater abstractions within 1 km of the Site relating to public water supply boreholes.

2.5 Local Water Features & Flooding

- 2.5.1 The nearest discharge consent is a storm tank overflow located 250 m south-west of the Site, operated by South West Water.
- 2.5.2 There are no active surface water abstractions within 1 km of the Site.
- 2.5.3 The River Otter is the nearest water feature located adjacent to the west of the Site. There is also a minor watercourse running north-south approximately 30 m east of the Site.
- 2.5.4 The Site is located within Flood Zone 3, associated with a high risk of flooding from the River Otter.

2.6 Geological Hazards

- 2.6.1 Information on the potential risks from natural ground subsidence is published in the Envirocheck report (**Appendix B**) and summarised in **Table 2-1** below. In summary, the Site is not located in an area that is at risk from ground stability hazards other the hazard of compressible ground.

Hazard	Hazard Rating*	Comment
Shrink swell clay	Low	Ground conditions predominantly non-plastic.
Landslides	Very Low	Slope instability problems are unlikely to be present.
Ground dissolution of soluble rocks	No Hazard	Soluble rocks are either not thought to be present, or are not prone to dissolution.
Compressible deposits	Moderate	Potential is indicated to be moderate based on the Site's proximity to superficial deposits associated with the river.
Collapsible deposits	No Hazard	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
Running sand	Low	No indicators for running sand identified.
Notes: *rating based on BGS dataset		

Table 2-1: Natural Ground Subsidence Hazards

2.7 Natural Soil Chemistry

2.7.1 Horizon has inspected the background soil chemistry data (presented in the Envirocheck report in **Appendix B**). Elevated concentrations of naturally occurring contaminants are not expected based upon the available dataset.

2.8 Site History

2.8.1 The history of the Site has been assessed based on Ordnance Survey historical maps from various scales (reproduced in **Appendix E**).

2.8.2 In summary, the oldest historic Ordnance Survey map, dated 1889, shows the Site to be part of agricultural land. Mapping from 1905 shows the railway line and station approximately 125 m to the west, with a smithy present adjacent to the A3052 to the north. In 1932, the existing building on-Site is shown and the smithy is no longer recorded. Anecdotally, the Site was used as a saw mill in the 1970s. In 1989, the alignment of the River Otter to the west and south of the Site appears to be altered slightly and the building on-Site is recorded as a depot. Anecdotally, in recent years the Site has been used for storage of construction materials / waste and scrap metal.

2.9 Public Database Search

2.9.1 A review of the public database records (presented in **Appendix B**) indicates that there are limited off-Site sources within the vicinity of the Site.

2.10 Pollution Prevention and Control

2.10.1 There are no records relating to pollution prevention and control within 1 km of the Site.

2.11 Landfill & Waste

2.11.1 There are no historical or active landfills or waste transfer sites within 1 km of the Site.

2.12 Ground Gas & Radon

2.12.1 The Site is located in an area where less than 1% of the homes are estimated to be at or above the action level as defined by Public Health England (formerly Health Protection Agency). On that basis radon protection measures would not be required for future development.

2.12.2 The Site is located in an area where significant sources of ground gas are not expected to be present.

2.13 Sensitive Land Uses

2.13.1 The Site is not located near any sensitive land uses other than the adjacent River Otter.

2.14 Utilities

2.14.1 Utilities plans obtained by Horizon are included in **Appendix F**. These indicate the presence of an intermediate pressure gas main and a 12-inch untreated watermain (likely strategic) near the eastern boundary of the Site. There is also a low voltage overhead line coming into the Site from the north-east. The watermain would require an easement for any proposed construction.

2.14.2 Reference should be made to current plans and relevant utility company requirements prior to breaking ground at the Site.

2.15 Local Authority Records

2.15.1 The Environmental Health team at East Devon District Council has been contacted for information about the Site. The response is included in **Appendix G**. In summary, the council has record of the Site being a cark breakers/scrap yard.

3. Conceptual Site Model

3.1 Rationale

3.1.1 The CSM described is the principal output of this report. The CSM has been developed by Horizon on the basis of the information presented in the preceding sections and the proposed activities on the Site. The UK contaminated land regime and associated guidance documents^{1,2} set out a risk-based framework of the assessment of contaminated sites. A source-pathway-receptor linkage is required to exist in order for a risk to be present. This means that there has to be a contaminant present, a receptor that could be harmed by this contaminant, and a pathway linking the two.

3.1.2 Under the planning regime all receptors (humans, controlled waters, ecological habitats and buildings) are considered if there is the potential for them to be adversely affected by exposure to contamination. **Table 3-1** shows the receptors which have been identified as being at potential risk from contamination at the Site.

Feature	On-Site	Off-Site	Rationale
Humans	Yes	No	The proposed redevelopment of the Sites will introduce new residential receptors. There is a lack of off-Site residential receptors, the nearest human health receptors to the north of the Site are unlikely to be impacted by a development of this nature
Ecological systems	No	No	There are no statutory designated sites identified within a 1 km radius of the Site relating to ecology.
Property (e.g., crops/livestock)	No	Yes	The Site is located adjacent to agricultural land.
Property (e.g., buildings/services)	Yes	Yes	New utility services will be introduced to Site in addition to existing utilities.
Property (domestically grown produce)	Yes	No	No formal gardens are proposed as such however the receptors would not be restricted from growing produce within the curtilage of the property.
Controlled waters (groundwater)	Yes	Yes	The Site is underlain by a Secondary A Aquifer and a Principal Aquifer with licensed groundwater abstraction within 1 km of the Site for potable public water supply.
Controlled waters (surface water)	No.	Yes	The Site is located adjacent to a main river.

Table 3-1: Rationale for Including Potential Receptors in CSM

3.1.3 Risks to construction workers (e.g. associated with building construction) have not been considered as part of the CSM. Whilst construction workers may be exposed to contamination through direct contact, ingestion and inhalation pathways, any potential risks are to be managed and mitigated through the activity specific health and safety plan, risk assessment and associated methods of work. On that basis, potential risks to construction workers are not considered further in this CSM.

3.1.4 **Table 3-2** below presents the CSM developed for the Site. The CSM is a qualitative assessment based on Horizon’s professional judgement with reference to the risk evaluation procedure described in **Appendix H**. In order to focus the CSM on those pathways with the potential to be significant, identified potential sources have not been included in the table where a receptor (as set out in **Table 3-1** above) is not considered to be present on-Site.

¹ <https://www.gov.uk/guidance/land-contamination-how-to-manage-the-risks/stage-1-risk-assessment>

² DEFRA (2012) Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance

SOURCE			PATHWAY	RECEPTOR	ASSESSMENT	
Primary Source	Secondary Source	Hazard	Pathway	Receptor	Risk Ranking	Rationale / Mitigation Measures
On-Site Sources						
Historical construction and usage of the Site as a saw mill, vehicle depot, workshop and scrap yard.	Contamination associated with the Site's historic land use. [Typical contaminants include heavy metals, hydrocarbons, asbestos, phenols, solvents, oils / lubricants.	Health effects	Dermal contact, ingestion and inhalation of contaminated soil and/or dust derived from contaminated soil.	Humans (on-site)	Medium	Given the history of the Site, the presence of localised contamination on-Site within the near surface soils is likely however the risks are partially mitigated by the removal of all rubbish / existing contamination sources as part of the development and excavation of soils beneath the footprint of the building.
		Degradation of underground services and structures	Direct contact	Property (buildings and services)	Low to medium	Underground services have the potential to be affected by contamination, in particular water supply pipes may be affected by hydrocarbon contamination.
		Degradation of water quality	Leaching of contaminants from soil	Controlled waters (groundwater) Controlled waters (surface water)	Medium	Although contamination sources are likely to be small and discrete, the Site is located within a sensitive location due to shallow groundwater and close proximity to a main watercourse.
	Ground gas derived from Made/Filled Ground.	Health effects Damage to buildings from explosion.	Ground gas migration through the subsurface and build-up in confined spaces.	Humans (on-site) Property (buildings & services)	Low Low	Unlikely for significant ground gas sources to be present. There is no main living space on the ground floor. Given the Site is in Flood Zone 3, the ground floor will not be able to be developed for main living space.
Background soil chemistry	Elevated metals [Elevated background concentrations of metals and sulphate]	Health effects	Dermal contact, ingestion and inhalation of contaminated soils/dusts.	Humans (on-site)	Low	BGS mapping does not indicate potentially elevated concentrations of natural chemical contaminants.
		Degradation of underground services and structures	Direct contact	Property (buildings and services)	Low	
	Radon	Health effects	Ground gas migration through the subsurface and build-up in confined spaces	Humans (on-site)	Low	The Site is located is not located in area with elevated radon.
Off-Site Sources						
Off-Site sources of contamination including historical smithy adjacent to the north	Contamination associated with the Site's historic off-Site land uses. [Typical contaminants include heavy metals, hydrocarbons]	Health effects	Migration via groundwater before dermal contact or ingestion of contaminated soil.	Humans (on-site)	Low	It is unlikely for a significant contamination source to have migrated from the historical smithy located to the north of the Site. Significant degradation of any contamination is expected to have occurred over time.
		Degradation of underground services and structures	Migration via groundwater and inhalation of vapours derived from contaminated groundwater.	Humans (on-site)	Low	
			Vapour phase migration through vadose zone	Property (buildings & services)	Low	
		Migration via groundwater before direct contact			Low	
Notes: Rationale for risk ranking presented in Appendix H.						

Table 3-2: Conceptual Model

4. Conclusions and Recommendations

4.1 Summary

4.1.1 **Table 4-2** above summarises the CSM and details the most likely plausible contaminant linkages which have been identified at the Site associated with the proposed residential development. The CSM also presents the results of a relative risk screening and prioritisation exercise which has sought to identify the relative significance of identified contaminant linkages in terms of the severity of the impact and / or likelihood of occurrence.

4.1.2 In summary, a small number of potential contaminant linkages have been identified at the Site. The risks are generally considered to be medium to low and the Site likely suitable for its proposed use on the basis that:

Although contamination sources are likely to be small and discrete, the Site is located within a sensitive location due to shallow groundwater and close proximity to a main watercourse.

As part of the proposed development, all surface rubbish and scrap metal will be removed from Site (i.e oil drums, containers, tyres). By removing the source of potential contamination, this will reduce the risk of exposure to receptors.

There are no main living spaces on the ground floor, this will mitigate the risk of exposure to receptors from any possible ground gas migrating into the building.

A reduced level dig is proposed within the building footprint to accommodate two storeys and as such any residual shallow contamination within surface soils will be removed therefore further mitigating the risk of exposure to receptors. If any arisings are to be re-used on-Site as a result of the development, chemical testing should be carried out to confirm suitability for its potential re-use.

Any proposed areas of private garden or soft landscaping will require a clean layer of subsoil and topsoil unless existing soil is proven to be suitable following a ground investigation and chemical testing of soil samples.

4.1.3 Based on the above it is recommended that a ground investigation is carried out within the curtilage of the property to confirm the presence/absence of contamination within near-surface soils and further refine the Conceptual Site Model.

4.2 Health, Safety & Environmental Management

4.2.1 During construction works potential health, safety and environmental risks to construction workers, users of neighbouring sites and off-site environmental receptors are considered to be low. Notwithstanding this, plant, chemicals and materials should be stored, managed and used in accordance with Environment Agency guidelines and best practice to mitigate against any potential risks. This includes:

Storage of chemicals in designated locations with specific measures to prevent leakage and release of their contents;

On-site provisions to contain a serious spill or leak through the use of booms, bunding and absorbent material;

Mixing and handling of wet concrete in designated areas or alternatively the use of premixed cement/concrete delivered from an off-site source;

Water spraying loose stockpiles and exposed soils, sheeting of outdoor skips and sheeting of waste vehicles, amongst others to mitigate air borne dust;

Covering / sheeting temporary skip storage, with arrangements made for any hazardous waste arisings; and

Washing down and cleaning equipment in a designated area.

- 4.2.2 Prior to construction, a specialist should be consulted to provide advice with respect to the presence of Himalayan Balsam.

4.3 Unexpected Finds

- 4.3.1 The unexpected conditions and finds that could feasibly occur at the Site include identifying contamination associated with historic activities on-Site including contamination introduced associated with the historical use of the Site. If any unknown materials or visual or olfactory evidence of contamination be encountered during construction works the following process should be implemented:

Work should cease in that area. If necessary, upon agreement from a suitably qualified geoenvironmental engineer, the area may be cordoned off or works undertaken to make the area temporarily safe (e.g., re-covering any exposed asbestos containing materials identified in soil during excavation works);

A suitably qualified geoenvironmental engineer should inspect the area to identify the chemical / condition that has been observed. Additional site and/or laboratory testing may be undertaken in order to inform a risk assessment and associated remedial strategy;

Agreement should be sort in advance from the regulators as to the proposed remedial strategy and scope of verification works.

Appendix A Proposed Development Plan

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INFORMATION:

REVISION	DATE	DESCRIPTION

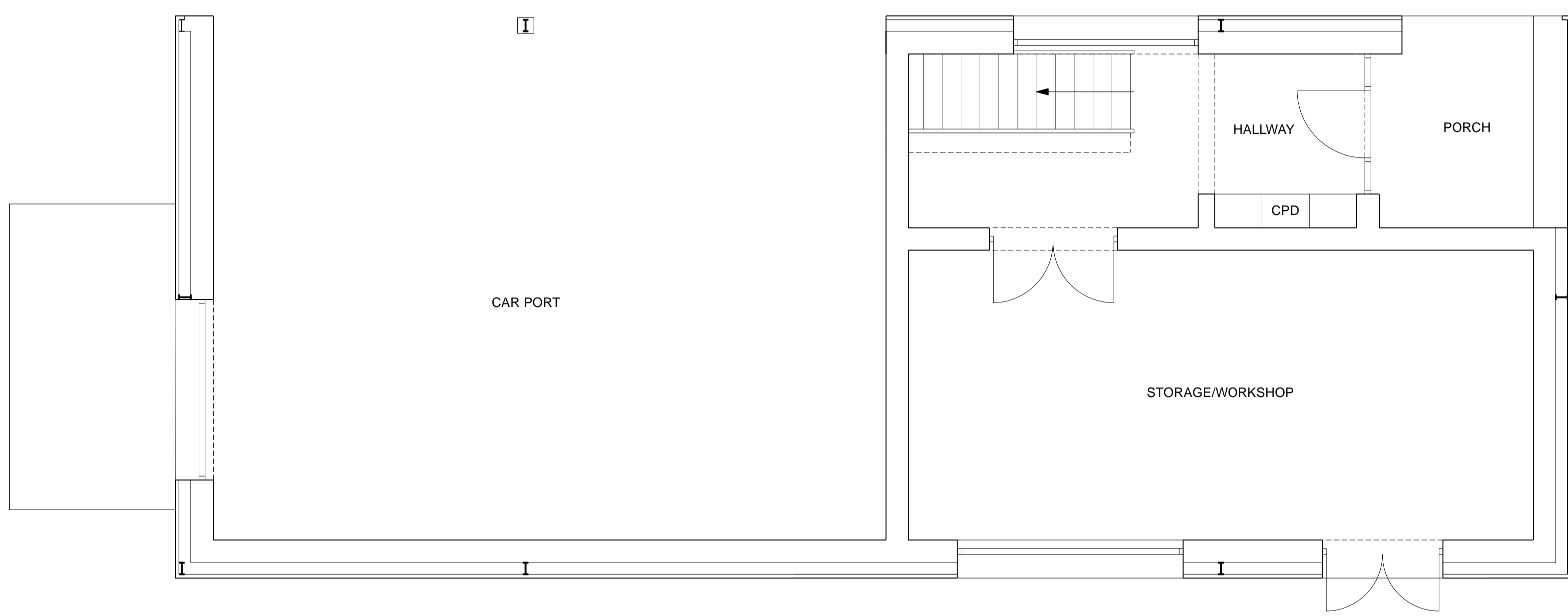
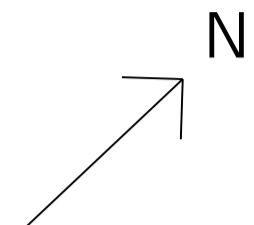
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 BRIDGE END, HARFORD
 EX10 0NG

DRAWING TITLE:
 PROPOSED
 BLOCK PLAN

DATE: 09.09.22	SCALE: 1:500 @ A1 1:1000 @ A3	DRAWING NO: PHR SK-10
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PAUL JEFFRIES ARCHITECTS

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GROUND FLOOR PLAN



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INFORMATION:

REVISION	DATE	DESCRIPTION
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PEARCESYARD
BRIDGE END, HARPFORD
EX 10 0NG

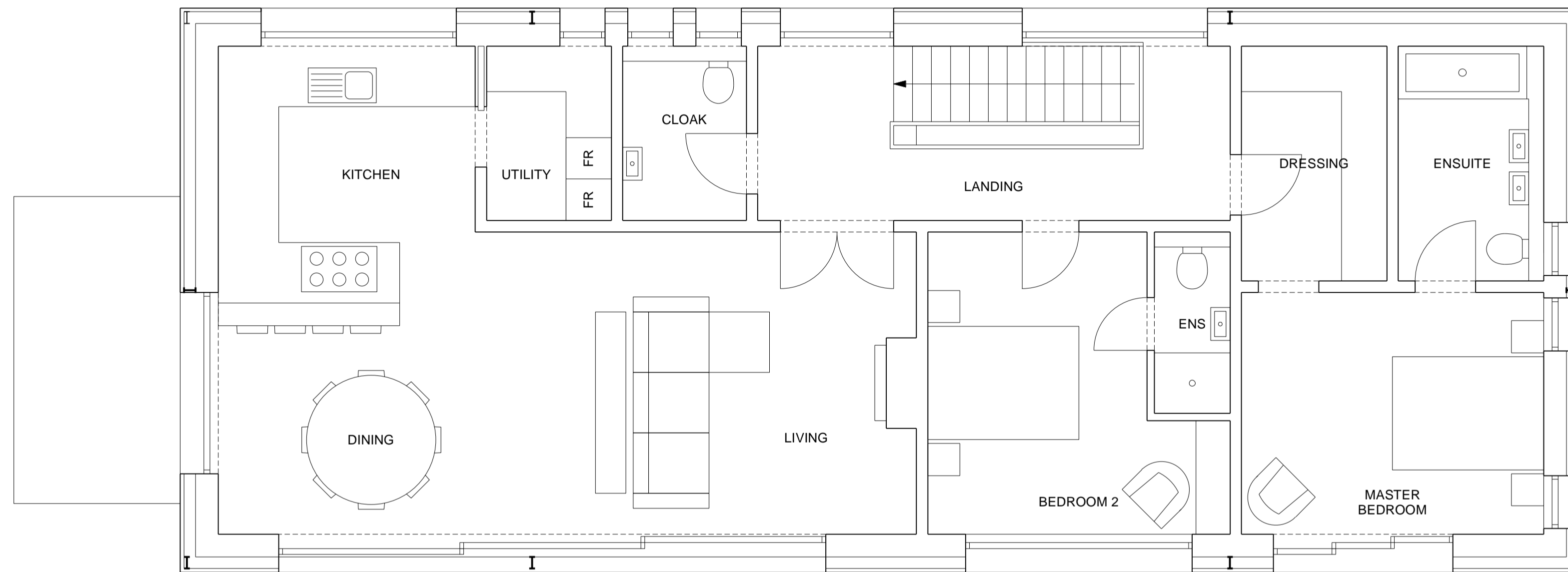
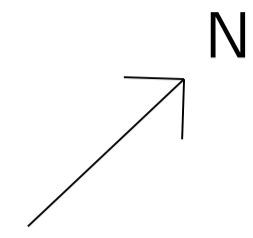
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PROPOSED
GROUND FLOOR PLAN

DATE:
09.09.22

SCALE:
1:50 @ A1
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DRAWING NO:
PHR SK-06

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FIRST FLOOR PLAN



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PROJECT:
PEARCE'S YARD
BRIDGE END, HARPFORD
EX10 0NG

DRAWING TITLE:
PROPOSED
FIRST FLOOR PLAN

DATE: 09.09.22	SCALE: 1:50 @ A1 1:100 @ A3	DRAWING NO: PHR SK-07
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INFORMATION:

REVISION	DATE	DESCRIPTION
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PROJECT:
PEARCESYARD
BRIDGE END, HARPFORD
EX10 0NG

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PROPOSED
ELEVATIONS

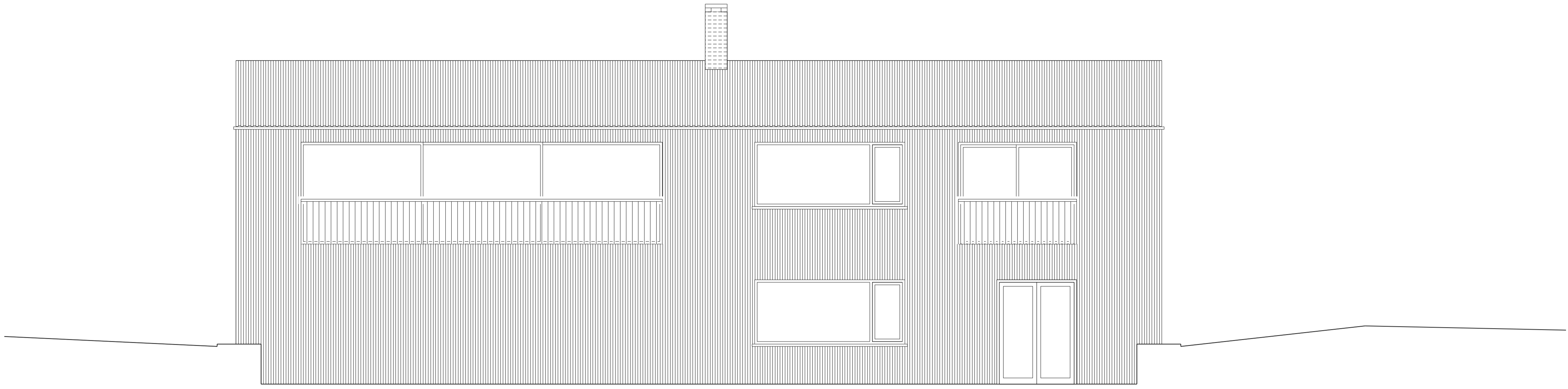
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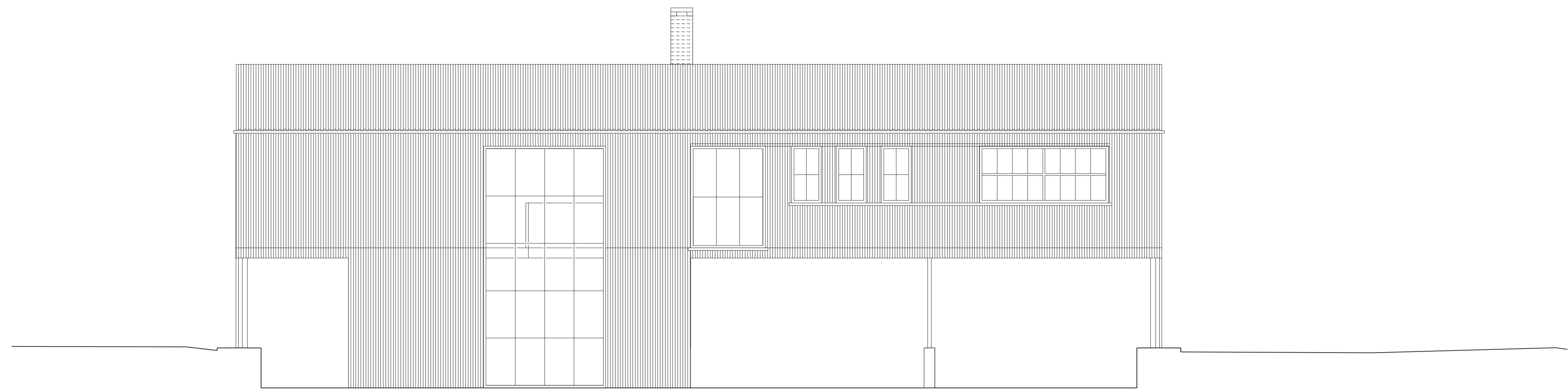
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PAUL JEFFRIES ARCHITECTS

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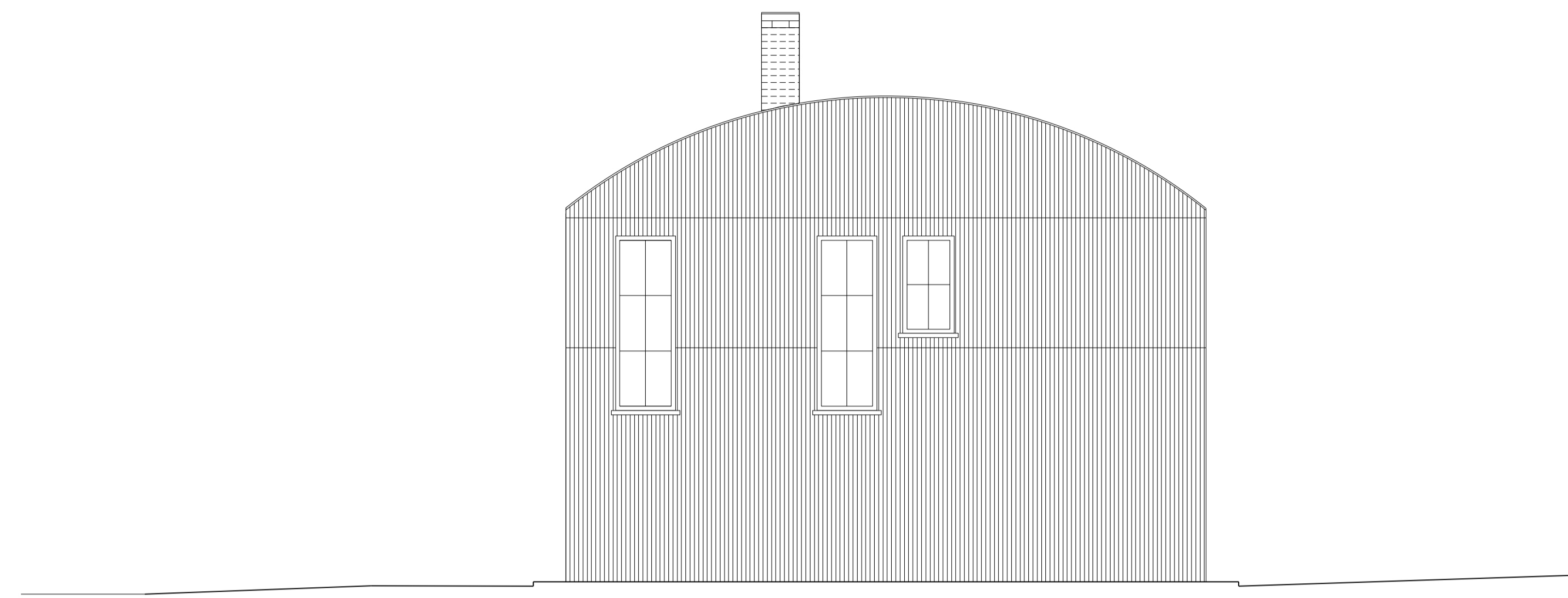
SOUTH EAST ELEVATION



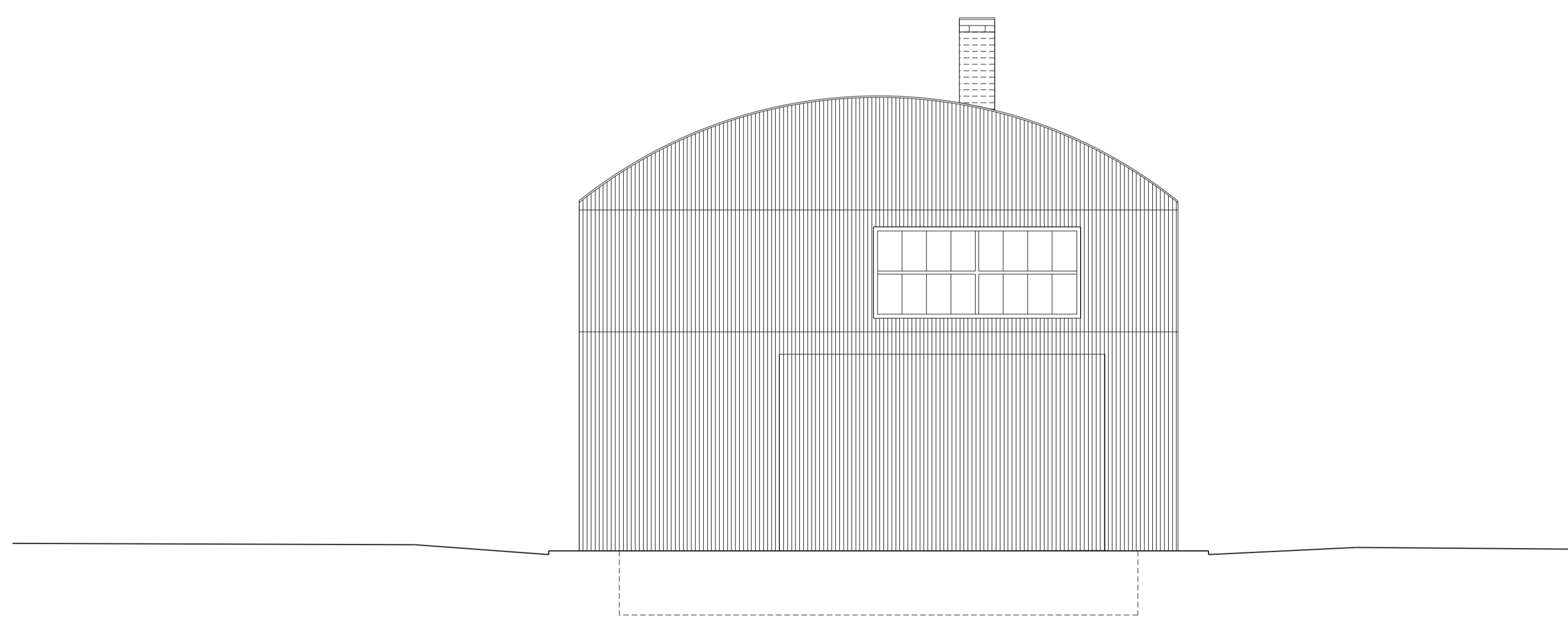
NORTH WEST ELEVATION



NOTES:
THE CONTENTS OF THIS DRAWING ARE FOR THE PURPOSES
OF OBTAINING PLANNING PERMISSION ONLY



SOUTH WEST ELEVATION



NORTH EAST ELEVATION



INFORMATION:

REVISION	DATE	DESCRIPTION
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PROJECT:
PEARCE'S YARD
BRIDGE END, HARPFORD
EX10 0NG

DRAWING TITLE:

PROPOSED

ELEVATIONS

DATE:
09.09.22

SCALE:
1:50 @ A1
1:100 @ A3

DRAWING NO:
PHR SK-09

PAUL JEFFRIES ARCHITECTS

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Tel: 01297 553506 Email: enquires@pjeffries.com

Appendix B Envirocheck Report

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

316264042_1_1

Customer Reference:

HCE1140

National Grid Reference:

309140, 89830

Slice:

A

Site Area (Ha):

0.23

Search Buffer (m):

1000

Site Details:

Site at 309160, 89840

Client Details:

Mr A Large

Horizon Consulting Engineers

Suite 2, The Dairy Barn

Westpoint Centre

Sidmouth Road

Exeter

Devon

EX5 1DJ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	37
Hazardous Substances	-
Geological	38
Industrial Land Use	46
Sensitive Land Use	48
Data Currency	49
Data Suppliers	55
Useful Contacts	56

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 this 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	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 3		1	9	
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 5		Yes		
Pollution Incidents to Controlled Waters	pg 5			6	4
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 7		1		
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7				21 (*62)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 28	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information		1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 28	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 28	Yes	n/a	n/a	n/a
Source Protection Zones	pg 28	1	1	2	4
Extreme Flooding from Rivers or Sea without Defences	pg 29	Yes	Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 30	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences	pg 31		Yes	n/a	n/a
OS Water Network Lines	pg 31		10	16	23

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 37	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)					
Potentially Infilled Land (Water)	pg 37		1		
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					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 38	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 38	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 43		1		
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
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 43		Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 44	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 46			2	4
Fuel Station Entries	pg 46				1
Points of Interest - Commercial Services	pg 46		1	3	2
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 47				1
Points of Interest - Public Infrastructure	pg 47				4
Points of Interest - Recreational and Environmental	pg 47			2	2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 48			1	1
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 48	1			
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 48	1			
Ramsar Sites					
Sites of Special Scientific Interest					
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: Potential for Groundwater Flooding to Occur at Surface	A13NW (SE)	0	1	309141 89827
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	60	1	309200 89900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	75	1	309250 89827
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	96	1	309150 89950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	100	1	309250 89900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	103	1	309200 89950
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	125	1	309300 89827
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (E)	127	1	309300 89850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	144	1	309300 89900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (N)	146	1	309141 90000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	146	1	309150 90000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (SE)	149	1	309300 89750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	151	1	309200 90000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	170	1	309250 90000
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (E)	189	1	309350 89900
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	196	1	309141 90050
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13NE (N)	196	1	309150 90050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	216	1	309300 89650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	257	1	309300 89600
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	296	1	309141 90150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	346	1	309141 90200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	346	1	309150 90200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	367	1	309350 89500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	384	1	308750 89700
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	397	1	309200 90250
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	401	1	308750 89650
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SE (N)	405	1	309250 90250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	409	1	309350 89450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	420	1	308700 89750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	423	1	308750 89600
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	432	1	308700 89700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (SE)	437	1	309400 89450
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	446	1	309141 90300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (N)	446	1	309150 90300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A18SE (N)	447	1	309200 90300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (SW)	450	1	308750 89550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	460	1	309250 89350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	462	1	309400 90250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	462	1	308650 89800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	469	1	308650 89750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	478	1	309400 89400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	480	1	308750 89500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SE (NE)	484	1	309350 90300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A18SW (N)	496	1	309141 90350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Millmoor Lane Cso High Willows, Millmoor Lane, Newton Poppleford, Sidmouth, Devon, Ex10 0eu Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: 201844 Permit Version: 2 Effective Date: 31st March 2020 Issued Date: 16th January 2020 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Otter Via Sws Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A13SW (SW)	250	2	308960 89610
1	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Millmoor Lane Cso High Willows, Millmoor Lane, Newton Poppleford, Sidmouth, Devon, Ex10 0eu Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: 201844 Permit Version: 1 Effective Date: 23rd October 2000 Issued Date: 23rd October 2000 Revocation Date: 30th March 2020 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Trib River Otter (S) 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</p>	A13SW (SW)	255	2	308955 89608
2	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Newton Poppleford (Factory Lane), Sso Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: Nra-Sw-1395 Permit Version: 1 Effective Date: 30th October 1989 Issued Date: 30th October 1989 Revocation Date: 23rd October 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Trib Of River Otter Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A13SW (SW)	301	2	308900 89600
3	<p>Discharge Consents</p> <p>Operator: Northmostown Court Management Co. Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Northmostown Court & The Thatch, Northmostown, Sidmouth, Devon, Ex10 0nl Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: Npswqd006178 Permit Version: 1 Effective Date: 20th September 2011 Issued Date: 17th March 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Otter 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</p>	A8NE (S)	370	2	309274 89453

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	<p>Discharge Consents</p> <p>Operator: Mr & Mrs R Buttery Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Orchardside Higher Way, Harpford, Sidmouth, Devon, Ex10 0nj Authority: Environment Agency, South West Region Catchment Area: Sid, Devon Reference: 201065 Permit Version: 1 Effective Date: 1st September 1999 Issued Date: 16th July 1999 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A13NE (NE)	370	2	309370 90160
5	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Recreation Ground Cso Orchard Glen, Newton Poppleford, Sidmouth, Devon, Ex10 0er Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: 201843 Permit Version: 3 Effective Date: 28th April 2009 Issued Date: 28th April 2009 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Back Brook Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	380	2	308732 89871
5	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Recreation Ground Cso Orchard Glen, Newton Poppleford, Sidmouth, Devon, Ex10 0er Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: 201843 Permit Version: 2 Effective Date: 1st April 2009 Issued Date: 17th February 2005 Revocation Date: 27th April 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Otter (S) Status: Modified (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m</p>	A12NE (W)	380	2	308732 89871
5	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Recreation Ground Cso Orchard Glen, Newton Poppleford, Sidmouth, Devon, Ex10 0er Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: 201843 Permit Version: 1 Effective Date: 23rd October 2000 Issued Date: 23rd October 2000 Revocation Date: 31st March 2009 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Otter (S) 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</p>	A12NE (W)	380	2	308732 89871

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	<p>Discharge Consents</p> <p>Operator: South West Water Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Newton Poppleford (Rec. Ground) Sso Authority: Environment Agency, South West Region Catchment Area: Otter, Devon Reference: Nra-Sw-1396 Permit Version: 1 Effective Date: 30th April 1989 Issued Date: 30th October 1989 Revocation Date: 23rd October 2000 Discharge Type: Sewage Discharges - Stw Storm Overflow/Storm Tank - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Back Brook Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	412	2	308700 89800
7	<p>Discharge Consents</p> <p>Operator: Mr Robert Williams Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Little Northmostown Barns Lane Past Little Northmostown, Northmostown, Sidmouth, Devon, Ex10 0nl Authority: Environment Agency, South West Region Catchment Area: Not Supplied Reference: Eprgb3692ak Permit Version: 1 Effective Date: 29th September 2017 Issued Date: 29th September 2017 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Otter Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m</p>	A8NE (SE)	492	2	309413 89392
	<p>Nearest Surface Water Feature</p>	A13SW (W)	2	-	309119 89821
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Farm Drainage Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Miscellaneous/Other Pollution Type Incident Date: 7th April 1993 Incident Reference: 62008253 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Leakage Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	340	2	309300 89500
8	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Cattle Manure (Solids) Store Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Weather Incident Date: 6th January 1994 Incident Reference: 62008140 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	344	2	309300 89495
9	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Public Highway: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Other Chemicals Note: Deliberate Act Incident Date: 11th September 1992 Incident Reference: 62006213 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Washing Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A13SE (SE)	396	2	309400 89500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th April 1994 Incident Reference: 62017597 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Other Incident/Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NW (S)	415	2	309000 89400
11	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Septic Tank Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Sewage - Treated Effluent Note: Inadequate Design/Capacity Incident Date: 7th June 1991 Incident Reference: 62002574 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Effluent Discharge Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A8NE (S)	429	2	309300 89400
12	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Cattle (Dairy) Farming: Yards Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Animal Waste/Slurry Note: Weather Incident Date: 4th December 1992 Incident Reference: 62007635 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SW (SE)	463	2	309500 89500
13	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Other Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Surface Water Note: Natural Causes Incident Date: 14th November 1990 Incident Reference: 62001522 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Weather Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	512	2	308600 89800
14	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Industrial Premises Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Heating Oil Note: Poor Operational Practise Incident Date: 28th April 1991 Incident Reference: 62001911 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Deliberate Action Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SE (W)	611	2	308500 89800
15	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Public Highway: Surface Runoff Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Oils - Waste Oil Note: Weather Incident Date: 8th June 1991 Incident Reference: 62002964 Catchment Area: Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Runoff Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A12SW (W)	724	2	308400 89700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	<p>Pollution Incidents to Controlled Waters</p> <p>Property Type: Not Given Location: Location Description Not Available Authority: Environment Agency, South West Region Pollutant: Unknown Note: Not Supplied Incident Date: 18th September 1991 Incident Reference: 62002724 Catchment Area: Lower Otter, Devon Receiving Water: Freshwater Stream/River Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m</p>	A14SE (E)	935	2	310100 89700
	<p>River Quality</p> <p>Name: Otter GQA Grade: River Quality B Reach: Tipton St John-Dotton Mill Estimated Distance (km): 4.2 Flow Rate: Flow less than 5 cumecs Flow Type: River Year: 2000</p>	A13SW (SW)	23	2	309103 89788
17	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010490 Permit Version: Not Supplied Location: Harpford 9 Borehole, HARPFORD Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 1636.40 Yearly Rate (m3): 490909.00 Details: Borehole Depth: 82; Harpford No.9 Borehole00114m0025000g 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 10m</p>	A18SE (N)	558	2	309300 90395
17	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 101 Location: Harpford Borehole No 9p Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Harpford Borehole No 9p Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	597	2	309320 90430
17	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 100 Location: Harpford Borehole No 9p Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4700 Yearly Rate (m3): 1716000 Details: Harpford Borehole No 9p Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18SE (N)	597	2	309320 90430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010509 Permit Version: Not Supplied Location: Houghton Farm Bore Drilling Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 454.50 Yearly Rate (m3): 22727.00 Details: River Otter 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</p>	A8SW (S)	731	2	308900 89100
19	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 101 Location: Harpford Borehole No 7 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Harpford Borehole No. 7 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	776	2	309130 90630
19	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 100 Location: Harpford Borehole No 7 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4700 Yearly Rate (m3): 1716000 Details: Harpford Borehole No. 7 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	776	2	309130 90630
20	<p>Water Abstractions</p> <p>Operator: South West Water Svs Ltd Licence Number: 14/45/01/0520 Permit Version: Not Supplied Location: Dotton 4 5 Boreholes Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 2500 Yearly Rate (m3): 230000 Details: Temp Reduction June-August Qty Reduced Whilst 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</p>	A7SE (SW)	816	2	308700 89100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
20	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010447 Permit Version: Not Supplied Location: Dotton 5 Borehole, DOTTON Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 2181.80 Yearly Rate (m3): 796472.00 Details: Borehole Depth: 93; 00091m0020000g 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 10m</p>	A7SE (SW)	820	2	308700 89095
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 103 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Water Supply Related: Transfer Between Sources 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 September Authorised End: 31 May Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	840	2	308633 89117
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 103 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 5 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	840	2	308633 89117
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 102 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 5 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	840	2	308633 89117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 102 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Water Supply Related: Transfer Between Sources 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 September Authorised End: 31 May Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	840	2	308633 89117
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 101 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 5 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	873	2	308600 89100
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 100 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 5 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	873	2	308600 89100
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 100 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2500 Yearly Rate (m3): 230000 Details: Dotton Borehole No.5 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A7SE (SW)	873	2	308600 89100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 100 Location: Dotton Borehole No 5 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.5 Authorised Start: 01 June Authorised End: 30 September Permit Start Date: 23rd May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	873	2	308600 89100
22	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 101 Location: Harpford Borehole No 6 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Harpford Borehole No.6 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	926	2	309120 90780
22	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 100 Location: Harpford Borehole No 6 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4700 Yearly Rate (m3): 1716000 Details: Harpford Borehole No.6 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A18NW (N)	926	2	309120 90780
22	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010430 Permit Version: Not Supplied Location: Harpford 5,6&7 Boreholes, HARPFORD Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 6545.50 Yearly Rate (m3): 1636364.00 Details: Borehole Depth: 49; 00273m0060000g 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 10m</p>	A18NW (N)	943	2	309100 90795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010441 Permit Version: Not Supplied Location: Harpford 8 Borehole, HARPFORD Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 2072.70 Yearly Rate (m3): 756545.00 Details: Borehole Depth: 86; 00086m0019000g 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 10m</p>	A18NE (N)	951	2	309300 90795
23	<p>Water Abstractions</p> <p>Operator: South West Water Svs Ltd Licence Number: 14/45/01/0518 Permit Version: Not Supplied Location: Harford, HARPFORD Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 4700 Yearly Rate (m3): 1716000 Details: Temp Reduction Whilst 01/0544 Is In Force 56789(P) Bhs 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</p>	A18NE (N)	956	2	309300 90800
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 101 Location: Harpford Borehole No 8 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Harpford Borehole No 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A23SE (N)	1051	2	309340 90890
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0518 Permit Version: 100 Location: Harpford Borehole No 8 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 4700 Yearly Rate (m3): 1716000 Details: Harpford Borehole No 8 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A23SE (N)	1051	2	309340 90890

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 103 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Water Supply Related: Transfer Between Sources 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 September Authorised End: 31 May Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	1098	2	308570 88849
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 103 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 4 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 1st April 2021 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	1098	2	308570 88849
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 102 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 4 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	1098	2	308570 88849
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 102 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Water Supply Related: Transfer Between Sources 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 September Authorised End: 31 May Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A7SE (SW)	1098	2	308570 88849

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010518 Permit Version: Not Supplied Location: Harpford 5,6,7,8,9(P) Boreholes, HARPFORD Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 7600.00 Yearly Rate (m3): 2774000.00 Details: Borehole Depth: 84; Harpford Borehole No 8; Temp Reduction; Lc 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 10m</p>	A23SW (N)	1142	2	309105 90995
	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010518 Permit Version: Not Supplied Location: Harpford 5,6,7,8,9(P) Boreholes, HARPFORD Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 4700.00 Yearly Rate (m3): 1716000.00 Details: Borehole Depth: 52; Harpford Borehole No 5; Temp Reduction; 11363 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 10m</p>	A23SW (N)	1142	2	309100 90995
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 101 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 4 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NE (SW)	1177	2	308500 88800
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 100 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 4 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A2NE (SW)	1177	2	308500 88800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0520 Permit Version: 100 Location: Dotton Borehole No 4 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 4 Authorised Start: 01 June Authorised End: 31 August Permit Start Date: 24th May 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2NE (SW)	1177	2	308500 88800
	<p>Water Abstractions</p> <p>Operator: South West Water Svs Ltd Licence Number: 14450010409 Permit Version: Not Supplied Location: Dotton 4 Borehole, Dotton, SIDMOUTH, Devon Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 2181.80 Yearly Rate (m3): 796364.00 Details: Borehole Depth :93; Dotton No 4 Borehole 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</p>	A2NE (SW)	1181	2	308500 88795
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0260 Permit Version: 100 Location: Northmostown Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): 49777 Details: Northmostown Farm, Otterton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th March 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A10SW (SE)	1319	2	310200 89000
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0260 Permit Version: 100 Location: Northmostown Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pitson Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th March 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10SW (SE)	1319	2	310200 89000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0260 Permit Version: 100 Location: Smiths Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Smiths Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th March 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A10SW (SE)	1319	2	310200 89000
	<p>Water Abstractions</p> <p>Operator: Mr H G Tenney Licence Number: 14/45/001/0373 Permit Version: 100 Location: Owl'S Hatch Borehole Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Owl'S Hatch Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th April 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A6SE (SW)	1324	2	308000 89100
	<p>Water Abstractions</p> <p>Operator: Mr H G Tenney Licence Number: 14/45/001/0373 Permit Version: 100 Location: Owl'S Hatch Borehole Authority: Environment Agency, South West Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Owl'S Hatch Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th April 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A6SE (SW)	1324	2	308000 89100
	<p>Water Abstractions</p> <p>Operator: Mr H G Tenney Licence Number: 14/45/001/0373 Permit Version: 100 Location: Owl'S Hatch Borehole Authority: Environment Agency, South West Region Abstraction: Household Water Supply: 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: Ely Bungalow Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th April 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A6SE (SW)	1324	2	308000 89100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr H G Tenney Licence Number: 14/45/001/0373 Permit Version: 100 Location: Owl'S Hatch Borehole Authority: Environment Agency, South West Region Abstraction: Household Water Supply: 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: Warren House Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th April 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A6SE (SW)	1324	2	308000 89100
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0405 Permit Version: 100 Location: Little Bowd Farm - Spring A Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Bowd Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A15SE (E)	1332	2	310500 89700
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0405 Permit Version: 100 Location: Little Bowd Farm - Spring A Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Little Bowd Farm, Sidmouth Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A15SE (E)	1332	2	310500 89700
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0405 Permit Version: 100 Location: Little Bowd Farm - Spring A Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Pinn Cottage Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th September 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A15SE (E)	1332	2	310500 89700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr T W Snell, Mr F S J Snell & Mrs L E Snell Licence Number: 14/45/001/0603 Permit Version: 101 Location: Hayne Barton Farm Borehole Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Hayne Barton Farm, Ottery St Mary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th March 2005 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A24NW (N)	1482	2	309490 91300
	<p>Water Abstractions</p> <p>Operator: Messrs Robshaw & Son Licence Number: 14/45/001/0559 Permit Version: 100 Location: Hayne Barton Farm - Borehole Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Hayne Barton Farm, Ottery St Mary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A24NW (N)	1485	2	309500 91300
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016/R01 Permit Version: 3 Location: Dotton Borehole No 3 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 3 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th May 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1631	2	308410 88330
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016/R01 Permit Version: 2 Location: Dotton Borehole No 3 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 3 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1631	2	308410 88330

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: South West Water Ltd Licence Number: Sw/045/0001/016 Permit Version: 1 Location: Dotton Borehole No 3 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 3 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th May 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SW (SW)	1631	2	308410 88330
	Water Abstractions Operator: South West Water Ltd Licence Number: Sw/045/0001/007 Permit Version: 1 Location: Dotton Borehole No 3 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 3 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SW (SW)	1631	2	308410 88330
	Water Abstractions Operator: HAS BEEN ALLOCATED FOR Licence Number: 14450010019 Permit Version: Not Supplied Location: Bowd Inn, SIDMOUTH Authority: Environment Agency, South West Region Abstraction: Private Water Supply (Holiday Recreation/Hotels Etc) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 6.80 Yearly Rate (m3): 2491.00 Details: Depth 43M 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	A15NE (E)	1635	2	310801 90001
	Water Abstractions Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 101 Location: Dotton Borehole No 3 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2SW (SW)	1640	2	308410 88320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 100 Location: Dotton Borehole No 3 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 13000 Yearly Rate (m3): 3915000 Details: Dotton Borehole No.3 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1640	2	308410 88320
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 14450010153 Permit Version: Not Supplied Location: Hayne Barton, OTTERY Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 9.10 Yearly Rate (m3): 3318.00 Details: Not Supplied 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</p>	A23NE (N)	1646	2	309200 91500
	<p>Water Abstractions</p> <p>Operator: SOUTH WEST WATER SVS LTD Licence Number: 14450010427 Permit Version: Not Supplied Location: Dotton 1,2 & 3 Boreholes, DOTTON Authority: Environment Agency, South West Region Abstraction: Public Water Supply (South West Water) Abstraction Type: Not Supplied Source: Borehole Daily Rate (m3): 9090.90 Yearly Rate (m3): 3318182.00 Details: Borehole Depth: 104; 00490m0107700g 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 10m</p>	A2SW (SW)	1667	2	308400 88295
	<p>Water Abstractions</p> <p>Operator: Mr B E J Woodley Licence Number: 14/45/001/0221 Permit Version: 100 Location: Venn - Borehole Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Properties In The Parishes Of Ottery St Mary And Harpford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	A22NE (N)	1676	2	308500 91400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Mr B E J Woodley Licence Number: 14/45/001/0221 Permit Version: 100 Location: Venn - Borehole Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Properties In The Parishes Of Ottery St Mary And Harpford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22NE (N)	1676	2	308500 91400
	<p>Water Abstractions</p> <p>Operator: Mr B E J Woodley Licence Number: 14/45/001/0222 Permit Version: 100 Location: Venn - Well Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Properties In The Parishes Of Ottery St Mary & Harpford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22NW (NW)	1716	2	308400 91400
	<p>Water Abstractions</p> <p>Operator: Mr B E J Woodley Licence Number: 14/45/001/0222 Permit Version: 100 Location: Venn - Well Authority: Environment Agency, South West Region Abstraction: Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden)</p> <p>Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Properties In The Parishes Of Ottery St Mary & Harpford Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A22NW (NW)	1716	2	308400 91400
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 14450010016 Permit Version: Not Supplied Location: Woodleys Joinery, NEWTON POPPLEFORD Authority: Environment Agency, South West Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 13.60 Yearly Rate (m3): 3546.00 Details: Not Supplied 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</p>	(W)	1727	2	307400 89600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016/R01 Permit Version: 3 Location: Dotton Borehole No 1 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th May 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1755	2	308295 88250
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016/R01 Permit Version: 2 Location: Dotton Borehole No 1 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1755	2	308295 88250
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016 Permit Version: 1 Location: Dotton Borehole No 1 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th May 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1755	2	308295 88250
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/007 Permit Version: 1 Location: Dotton Borehole No 1 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 1 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1755	2	308295 88250

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 101 Location: Dotton Borehole No 1 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1757	2	308290 88250
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 100 Location: Dotton Borehole No 1 Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.1 Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1757	2	308290 88250
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 101 Location: Dotton Borehole No 2 Old Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.2 (Old) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1770	2	308300 88230
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 100 Location: Dotton Borehole No 2 Old Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.2 (Old) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1770	2	308300 88230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/007 Permit Version: 1 Location: Dotton Borehole No 2 (Old) Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 2 (Old) Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1774	2	308301 88225
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016/R01 Permit Version: 3 Location: Dotton Borehole No 2 (New) Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 2 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 18th May 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1782	2	308290 88222
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016/R01 Permit Version: 2 Location: Dotton Borehole No 2 (New) Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 2 Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th May 2017 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1782	2	308290 88222
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/016 Permit Version: 1 Location: Dotton Borehole No 2 (New) Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 2 (New) Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th May 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1782	2	308290 88222

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: South West Water Ltd Licence Number: Sw/045/0001/007 Permit Version: 1 Location: Dotton Borehole No 2 (New) Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 2 (New) Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 30th March 2010 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1782	2	308290 88222
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 101 Location: Dotton Borehole No 2 New Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No 2 (New) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 14th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1784	2	308290 88220
	<p>Water Abstractions</p> <p>Operator: South West Water Services Ltd Licence Number: 14/45/001/0519 Permit Version: 100 Location: Dotton Borehole No 2 New Authority: Environment Agency, South West Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Dotton Borehole No.2 (New) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th October 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	A2SW (SW)	1784	2	308290 88220
	<p>Water Abstractions</p> <p>Operator: MRS E EBDON Licence Number: 14450010227 Permit Version: Not Supplied Location: Elwill Farm, Venn Ottery, OTTERY ST MARY, Devon Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 1.10 Yearly Rate (m3): 332.00 Details: Poss Ref 75902201300024 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</p>	(N)	1805	2	308700 91600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: THE DONKEY SANCTUARY Licence Number: 14450010072 Permit Version: Not Supplied Location: Woods Farm , Bowd, SIDMOUTH, EX10 0JS Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 6.40 Yearly Rate (m3): 1818.00 Details: Not Supplied 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</p>	A25SE (NE)	1828	2	310500 91100
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton Licence Number: 14450010401 Permit Version: Not Supplied Location: Houghton Farm, Passaford Farm, And Pavers Farm, OTTERTON Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 2.20 Yearly Rate (m3): 788.00 Details: Not Supplied 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 10m</p>	(S)	1843	2	308705 88000
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0401 Permit Version: 100 Location: Houghton Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 17 Yearly Rate (m3): 6139 Details: Colaton Raleigh Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th September 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(S)	1845	2	308700 88000
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0401 Permit Version: 100 Location: Houghton Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Passaford Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th September 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(S)	1845	2	308700 88000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	<p>Water Abstractions</p> <p>Operator: Trustees Of Lord Clinton'S Marriage Settlement Licence Number: 14/45/001/0401 Permit Version: 100 Location: Houghton Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Houghton Farm, Otterton Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th September 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m</p>	(S)	1845	2	308700 88000
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 14450010292 Permit Version: Not Supplied Location: Venn Ottery Barton, HARPFORD Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Well Daily Rate (m3): 7.30 Yearly Rate (m3): 2045.00 Details: Not Supplied 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</p>	A21SW (NW)	1893	2	307700 91100
	<p>Water Abstractions</p> <p>Operator: K N G Drake Licence Number: 14/45/001/0284 Permit Version: 100 Location: Hoppins Farm - Tapped Spring Authority: Environment Agency, South West Region Abstraction: General Agriculture; General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Hoppins Farm, Venn Ottery, Ottery St Mary Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th September 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m</p>	(NW)	1915	2	307400 90700
	<p>Water Abstractions</p> <p>Operator: HAS BEEN ALLOCATED FOR Licence Number: 14450010232 Permit Version: Not Supplied Location: Langsford Farm , HARPFORD Authority: Environment Agency, South West Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 2.70 Yearly Rate (m3): 995.00 Details: Not Supplied 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</p>	(W)	1960	2	307200 89400

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: <3m Superficial Recharge: No Data	A13NW (SE)	0	3	309141 89827
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (SE)	0	3	309141 89827
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (SE)	0	3	309141 89827
24	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (SE)	0	2	309141 89827
25	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (N)	81	2	309167 89937
26	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13SW (SW)	343	2	308924 89520
27	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A18SE (N)	471	2	309312 90301
28	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A18SW (N)	642	2	309133 90496
29	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A7NE (SW)	716	2	308656 89256
30	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A7SE (SW)	944	2	308612 89005
31	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A18NE (N)	972	2	309326 90812

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models and Fluvial Events Boundary Accuracy: As Supplied	A13NW (SE)	0	2	309141 89827
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (W)	33	2	309080 89825
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	36	2	309195 89867
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	46	2	309210 89859
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	46	2	309200 89880
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (NE)	53	2	309195 89895
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	56	2	309200 89895
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	78	2	309180 89930
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	79	2	309185 89930
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	89	2	309180 89941
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	92	2	309175 89945
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	98	2	309175 89952
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	101	2	309165 89955
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NE (N)	116	2	309150 89970
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (N)	118	2	309160 89973
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	126	2	309254 89730

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	131	2	309255 89724
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	140	2	309259 89715
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	143	2	309260 89712
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	150	2	309263 89705
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	155	2	309265 89700
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	161	2	309267 89695
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	168	2	309270 89688
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	171	2	309271 89685
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (N)	173	2	309116 90022
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	178	2	309114 90026
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	181	2	309275 89675
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	191	2	309278 89665
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13SE (SE)	196	2	309280 89660
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Events Boundary Accuracy: As Supplied	A13NW (N)	250	2	309089 90094
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NW (SE)	0	2	309141 89827
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NE (N)	13	2	309152 89866
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (NW)	20	2	309098 89853
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	40	2	309072 89826
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13SW (W)	40	2	309075 89820
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (NW)	59	2	309079 89887
	Flood Defences Type: Flood Defences Reference: Not Supplied	A13NW (W)	242	2	308875 89894
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 419.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A13SW (SW)	11	4	309108 89805
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1872.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A13NE (E)	20	4	309190 89846
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 76.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A13SW (W)	96	4	309024 89789
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A13NW (NW)	127	4	308994 89889
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 468.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Back Brook Catchment Name: Sid Otter Primacy: 1	A13NW (NW)	127	4	308994 89889
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A13NW (NW)	133	4	309027 89941

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 2	A13NW (NW)	135	4	309018 89936
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 451.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A13NW (NW)	163	4	309031 89979
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A13SW (W)	173	4	308950 89769
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A13SE (SE)	233	4	309287 89620
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 192.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A13SW (SW)	254	4	308956 89609
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 653.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A8NE (S)	338	4	309239 89474
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 73.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Northmostown Goyle Catchment Name: Sid Otter Primacy: 1	A8NE (S)	338	4	309239 89474
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Northmostown Goyle Catchment Name: Sid Otter Primacy: 1	A8NE (S)	396	4	309299 89436
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: Underground Permanent: True Watercourse Name: Northmostown Goyle Catchment Name: Sid Otter Primacy: 1	A8NE (SE)	408	4	309313 89429

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Northmostown Goyle Catchment Name: Sid Otter Primacy: 1	A8NE (SE)	412	4	309321 89429
48	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A8NW (SW)	419	4	308943 89418
49	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 4.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A8NW (SW)	420	4	308945 89417
50	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A8NW (SW)	422	4	308941 89416
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 318.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A8NW (SW)	423	4	308941 89415
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A12SE (W)	432	4	308682 89781
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 2	A18SW (NW)	474	4	308876 90249
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A18SW (NW)	476	4	308859 90242
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A7NE (SW)	479	4	308795 89451

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 278.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A18SW (N)	490	4	308951 90302
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Northmostown Goyle Catchment Name: Sid Otter Primacy: 1	A8NE (SE)	496	4	309417 89390
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 835.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Northmostown Goyle Catchment Name: Sid Otter Primacy: 1	A8NE (SE)	549	4	309457 89353
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 834.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Back Brook Catchment Name: Sid Otter Primacy: 1	A12SE (W)	552	4	308560 89808
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A12NE (W)	555	4	308556 89858
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A18NW (N)	662	4	309047 90506
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A18NW (N)	662	4	309047 90506
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 2	A18NW (N)	692	4	309050 90538
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 322.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A18NW (N)	692	4	309050 90538

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A7NE (SW)	707	4	308720 89217
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 130.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A7NE (SW)	707	4	308720 89217
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 719.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A18NW (N)	713	4	309071 90561
68	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: Sid Otter Primacy: 1	A8SW (S)	735	4	308879 89103
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A8SW (S)	743	4	308879 89094
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A7SE (SW)	813	4	308716 89094
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 304.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Otter Catchment Name: Sid Otter Primacy: 1	A7SE (SW)	857	4	308714 89044
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 720.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A19SE (NE)	858	4	309941 90216
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 140.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A19SE (NE)	862	4	309940 90227

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A17NE (N)	884	4	308795 90665
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 122.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A17NE (NW)	887	4	308744 90646
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A17NE (NW)	887	4	308746 90647
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1398.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A17NE (N)	888	4	308796 90670
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 703.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A17NE (NW)	931	4	308622 90630
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A19SE (NE)	998	4	310067 90276
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Sid Otter Primacy: 1	A19SE (NE)	998	4	310067 90276

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: East Devon District Council - Has supplied landfill data		0	6	309141 89827
	Local Authority Landfill Coverage Name: Devon County Council - Has supplied landfill data		0	5	309141 89827
81	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NE (E)	64	-	309236 89847

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Triassic Rocks (Undifferentiated)	A13NW (SE)	0	1	309141 89827
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (SE)	0	1	309141 89827
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (E)	42	1	309214 89847
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: <15 mg/kg	A13NE (NE)	49	1	309206 89875
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	112	1	309138 89964
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 40 - 60 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NE (N)	148	1	309186 90000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (N)	245	1	309076 90086

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NE (N)	301	1	309259 90139
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A13SW (SW)	304	1	308836 89695
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A8NE (SE)	416	1	309328 89428
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18SW (N)	450	1	309125 90303
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A12NE (NW)	456	1	308696 90027
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NE (W)	590	1	308533 89961

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (E)	600	1	309738 90036
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (SW)	603	1	308564 89572
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12SE (W)	645	1	308469 89770
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	657	1	308674 89320
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	661	1	308738 89261
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	714	1	308514 90230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A12NW (W)	729	1	308412 90047
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	758	1	308516 90308
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SE (NW)	767	1	308588 90399
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	786	1	308680 89149
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17SW (NW)	856	1	308465 90400
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NW (N)	859	1	309113 90715

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7SE (SW)	890	1	308694 89018
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19SE (NE)	906	1	309995 90215
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A17NE (NW)	908	1	308626 90606
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A17NE (NW)	959	1	308612 90657
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel <15 mg/kg Concentration:	A14NE (E)	962	1	310135 89893
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A18NE (N)	962	1	309330 90802

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NE (E)	983	1	310143 90000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 40 - 60 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NW (SW)	992	1	308239 89350
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A19NW (NE)	996	1	309731 90671
82	BGS Recorded Mineral Sites Site Name: Four Elms Hill Sand Pit Location: Harpford, Sidmouth, Devon Source: British Geological Survey, National Geoscience Information Service Reference: 28562 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Triassic Geology: Otter Sandstone Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	180	1	309325 89930
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	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: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	42	1	309214 89847
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	146	1	309141 90000
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	155	1	309104 90000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	42	1	309214 89847
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	146	1	309141 90000
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	155	1	309104 90000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	146	1	309141 90000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	21	1	309172 89873
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	54	1	309220 89797
	Potential for Landslide Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	78	1	309159 89934
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	146	1	309141 90000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	155	1	309104 90000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	42	1	309214 89847
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	49	1	309206 89875
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	112	1	309138 89964
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	146	1	309141 90000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	148	1	309186 90000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	155	1	309104 90000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	245	1	309076 90086
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (NE)	49	1	309206 89875
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	146	1	309141 90000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	148	1	309186 90000
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (SE)	0	1	309141 89827
	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	A13NW (SE)	0	1	309141 89827

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	Contemporary Trade Directory Entries Name: V P Marchant & Sons Ltd Location: Coal Yard, Back Lane, Newton Poppleford, Sidmouth, Devon, EX10 0EY Classification: Coal & Smokeless Fuel Merchants & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (W)	292	-	308822 89791
83	Contemporary Trade Directory Entries Name: Oak Tree Garage Location: Station Road, Newton Poppleford, Sidmouth, EX10 0ER Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	312	-	308800 89809
84	Contemporary Trade Directory Entries Name: Ace Location: 18, School Lane, Newton Poppleford, Sidmouth, Devon, EX10 0EJ Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	532	-	308611 89648
85	Contemporary Trade Directory Entries Name: Chapman Energy Assessor Location: 31, Glebelands, Newton Poppleford, Sidmouth, Devon, EX10 0HB Classification: Energy Efficient Products and Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	542	-	308662 89516
86	Contemporary Trade Directory Entries Name: Central Garage Location: High Street, Newton Poppleford, Sidmouth, EX10 0DW Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	572	-	308543 89762
87	Contemporary Trade Directory Entries Name: Poppleford Cleaners Location: 29, King Alfred Way, Newton Poppleford, Sidmouth, Devon, EX10 0DG Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SW (W)	969	-	308190 89531
88	Fuel Station Entries Name: Central Garage Location: High Street, Newton Poppleford, Sidmouth, Devon, EX10 0DW Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Located by supplier to within 100m	A12SE (W)	517	-	308630 89640
89	Points of Interest - Commercial Services Name: Devon Valeting Location: Otter Dene, Back Lane, Newton Poppleford, EX10 0EY Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (W)	238	7	308874 89813
89	Points of Interest - Commercial Services Name: Oak Tree Location: Station Road, Newton Poppleford, Sidmouth, EX10 0ER Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	311	7	308801 89809
89	Points of Interest - Commercial Services Name: Oak Tree Garage Location: Station Road, Newton Poppleford, EX10 0ER Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	312	7	308800 89809
90	Points of Interest - Commercial Services Name: Thorn Coach Works Location: Thorpe Gil, Harpford, Sidmouth, EX10 0NJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (N)	298	7	309114 90149
91	Points of Interest - Commercial Services Name: Central Garage Location: High Street, Newton Poppleford, Sidmouth, EX10 0DW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	572	7	308543 89763

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
91	Points of Interest - Commercial Services Name: Central Garage Location: High Street, Newton Poppleford, EX10 0DW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12SE (W)	572	7	308543 89762
92	Points of Interest - Manufacturing and Production Name: Solar Panel Location: EX10 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	909	7	310053 89596
93	Points of Interest - Public Infrastructure Name: Weir Location: EX10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	558	7	308553 89802
93	Points of Interest - Public Infrastructure Name: Weir Location: EX10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	564	7	308548 89800
94	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	598	7	308535 89673
94	Points of Interest - Public Infrastructure Name: Cemetery Location: EX10 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	611	7	308522 89672
95	Points of Interest - Recreational and Environmental Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	334	7	308812 89988
95	Points of Interest - Recreational and Environmental Name: Play Area Location: EX10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NE (NW)	342	7	308804 89989
96	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	542	7	308741 89416
96	Points of Interest - Recreational and Environmental Name: Playground Location: Turner Close, EX10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NE (SW)	546	7	308739 89413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Ancient Woodland Name: Harpford Wood Reference: 1114825 Area(m ²): 574566.22 Type: Plantation on Ancient Woodland	A14NW (NE)	427	8	309486 90131
98	Ancient Woodland Name: Harpford Wood Reference: 1114825 Area(m ²): 88270.61 Type: Ancient and Semi-Natural Woodland	A19SW (NE)	749	8	309728 90345
99	Areas of Outstanding Natural Beauty Name: East Devon Multiple Areas: Y Total Area (m2): 269134222.842965 Designation Date: 30th September 1963 Source: Natural England	A13NW (SE)	0	8	309141 89827
100	Nitrate Vulnerable Zones Name: Mid Devon Description: Groundwater Source: Environment Agency, Head Office	A13NW (SE)	0	3	309141 89827

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Environment Agency - Head Office East Devon District Council - Environmental Health Department	June 2020 September 2017	Annually Annual Rolling Update
Discharge Consents Environment Agency - South West Region	July 2023	Quarterly
Enforcement and Prohibition Notices Environment Agency - South West Region	March 2013	
Integrated Pollution Controls Environment Agency - South West Region	January 2009	
Integrated Pollution Prevention And Control Environment Agency - South West Region	January 2023	Quarterly
Local Authority Integrated Pollution Prevention And Control East Devon District Council - Environmental Health Department	September 2014	Variable
Local Authority Pollution Prevention and Controls East Devon District Council - Environmental Health Department	September 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements East Devon District Council - Environmental Health Department	September 2014	Variable
Nearest Surface Water Feature Ordnance Survey	July 2023	
Pollution Incidents to Controlled Waters Environment Agency - South West Region	September 1999	
Prosecutions Relating to Authorised Processes Environment Agency - South West Region	July 2015	
Prosecutions Relating to Controlled Waters Environment Agency - South West Region	March 2013	
Registered Radioactive Substances Environment Agency - South West Region Environment Agency - Head Office	June 2016 May 2023	As notified Quarterly
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	April 2012	
River Quality Chemistry Sampling Points Environment Agency - Head Office	April 2012	
Substantiated Pollution Incident Register Environment Agency - South West Region - Devon Area Environment Agency - South West Region - Devon and Cornwall Area	July 2023 July 2023	Quarterly Quarterly
Water Abstractions Environment Agency - South West Region	April 2023	Quarterly
Water Industry Act Referrals Environment Agency - South West Region	October 2017	
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	September 2022	Bi-Annually
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly

Agency & Hydrological	Version	Update Cycle
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2023	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2023	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2023	Quarterly
Flood Defences Environment Agency - Head Office	August 2022	Quarterly
OS Water Network Lines Ordnance Survey	July 2023	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	May 2018	Annually
Surface Water Suitability Environment Agency - Head Office	February 2016	Annually
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	November 2002	As notified
Historical Landfill Sites Environment Agency - Head Office	July 2023	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - South West Region	January 2009	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South West Region - Devon Area Environment Agency - South West Region - Devon and Cornwall Area	July 2023 July 2023	Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South West Region - Devon Area Environment Agency - South West Region - Devon and Cornwall Area	January 2023 January 2023	Quarterly Quarterly
Local Authority Landfill Coverage Devon County Council East Devon District Council - Environmental Health Department	February 2003 February 2003	Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Devon County Council East Devon District Council - Environmental Health Department	October 2018 October 2018	
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	
Registered Landfill Sites Environment Agency - South West Region - Devon Area Environment Agency - South West Region - Devon and Cornwall Area	March 2006 March 2006	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - South West Region - Devon Area Environment Agency - South West Region - Devon and Cornwall Area	April 2018 April 2018	
Registered Waste Treatment or Disposal Sites Environment Agency - South West Region - Devon Area Environment Agency - South West Region - Devon and Cornwall Area	June 2015 June 2015	
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	March 2023	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	August 2001	
Planning Hazardous Substance Enforcements Devon County Council East Devon District Council - Planning Department	February 2007 February 2016	Annual Rolling Update Variable
Planning Hazardous Substance Consents East Devon District Council - Planning Department Devon County Council	February 2016 September 2008	Variable Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	As notified
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	December 2015	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	June 2023	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB) Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011 November 2020	As notified
Coal Mining Affected Areas The Coal Authority - Property Searches	February 2023	Annual Rolling Update
Mining Instability Ove Arup & Partners	June 1998	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	April 2020	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	As notified
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	September 2022	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	September 2022	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2023	Quarterly
Fuel Station Entries Catalist Ltd - Experian	June 2023	Quarterly
Gas Pipelines National Grid	October 2021	Bi-Annually
Points of Interest - Commercial Services PointX	June 2023	Quarterly
Points of Interest - Education and Health PointX	June 2023	Quarterly
Points of Interest - Manufacturing and Production PointX	June 2023	Quarterly
Points of Interest - Public Infrastructure PointX	June 2023	Quarterly
Points of Interest - Recreational and Environmental PointX	June 2023	Quarterly
Underground Electrical Cables National Grid	February 2023	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2023	Bi-Annually
Areas of Adopted Green Belt East Devon District Council - Planning Department	August 2023	Quarterly
Areas of Unadopted Green Belt East Devon District Council - Planning Department	August 2023	Quarterly
Areas of Outstanding Natural Beauty Natural England	April 2023	Bi-Annually
Environmentally Sensitive Areas Natural England	August 2023	
Forest Parks Forestry Commission	May 2023	Not Applicable
Local Nature Reserves Natural England	August 2023	Bi-Annually
Marine Nature Reserves Natural England	April 2023	Bi-Annually
National Nature Reserves Natural England	February 2023	Bi-Annually
National Parks Natural England	February 2018	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2023	Not Applicable
Nitrate Vulnerable Zones Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA) Environment Agency - Head Office	April 2016 March 2023	Bi-Annually
Ramsar Sites Natural England	March 2023	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2023	Bi-Annually
Special Areas of Conservation Natural England	April 2023	Bi-Annually
Special Protection Areas Natural England	April 2023	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	
Stantec UK Ltd	

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	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	Devon County Council County Hall, Topsham Road, Exeter, Devon, EX2 4QD	Telephone: 01392 382000 Fax: 01392 382135 Website: www.devon.gov.uk
6	East Devon District Council - Environmental Health Department Council Offices, Knowle, Sidmouth, Devon, EX10 8HL	Telephone: 01395 516551 Fax: 01395 513315 Website: www.eastdevon.gov.uk
7	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
8	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	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.

General

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

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 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
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- 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

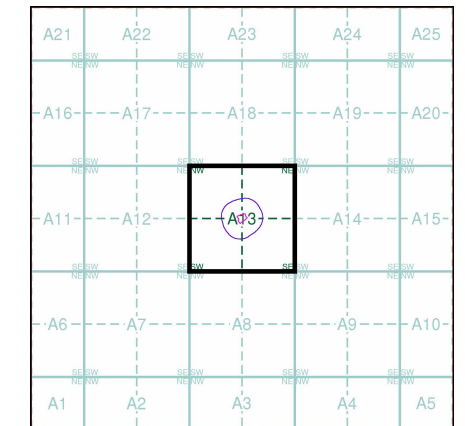
Hazardous Substances

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

Geological

- BGS Recorded Mineral Site

Site Sensitivity Map - Segment A13

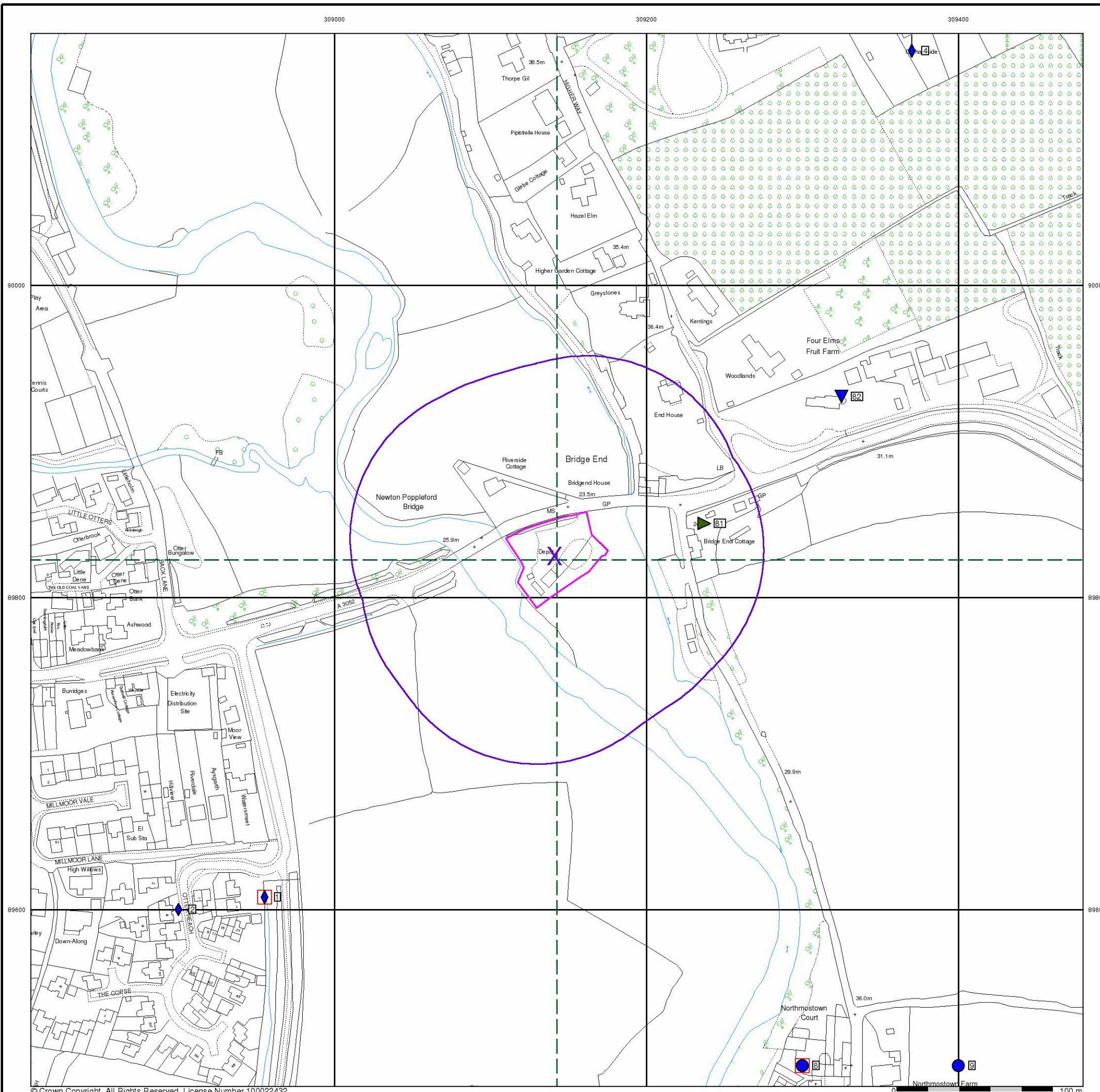


Order Details

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 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Plot Buffer (m): 100

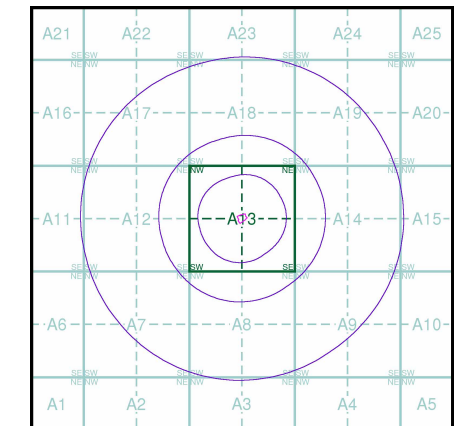
Site Details

Site at 309160, 89840



- 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
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Non-water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - Potentially Infilled Land (Water)
 - 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
- Hazardous Substances**
- COMAH Site
 - Explosive Site
 - NIHHS Site
 - Planning Hazardous Substance Consent
 - Planning Hazardous Substance Enforcement
- Geological**
- BGS Recorded Mineral Site

Site Sensitivity Map - Slice A

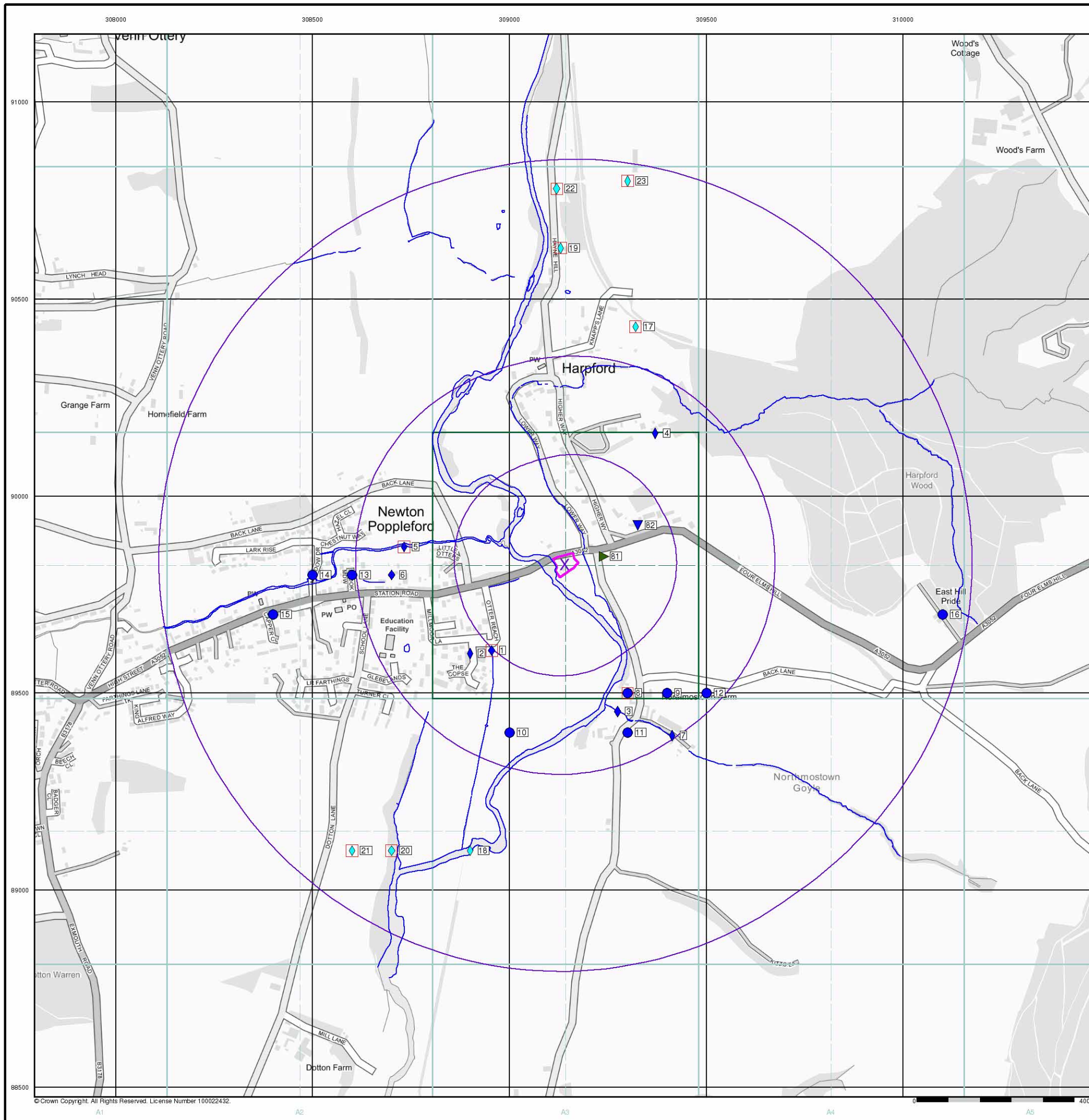


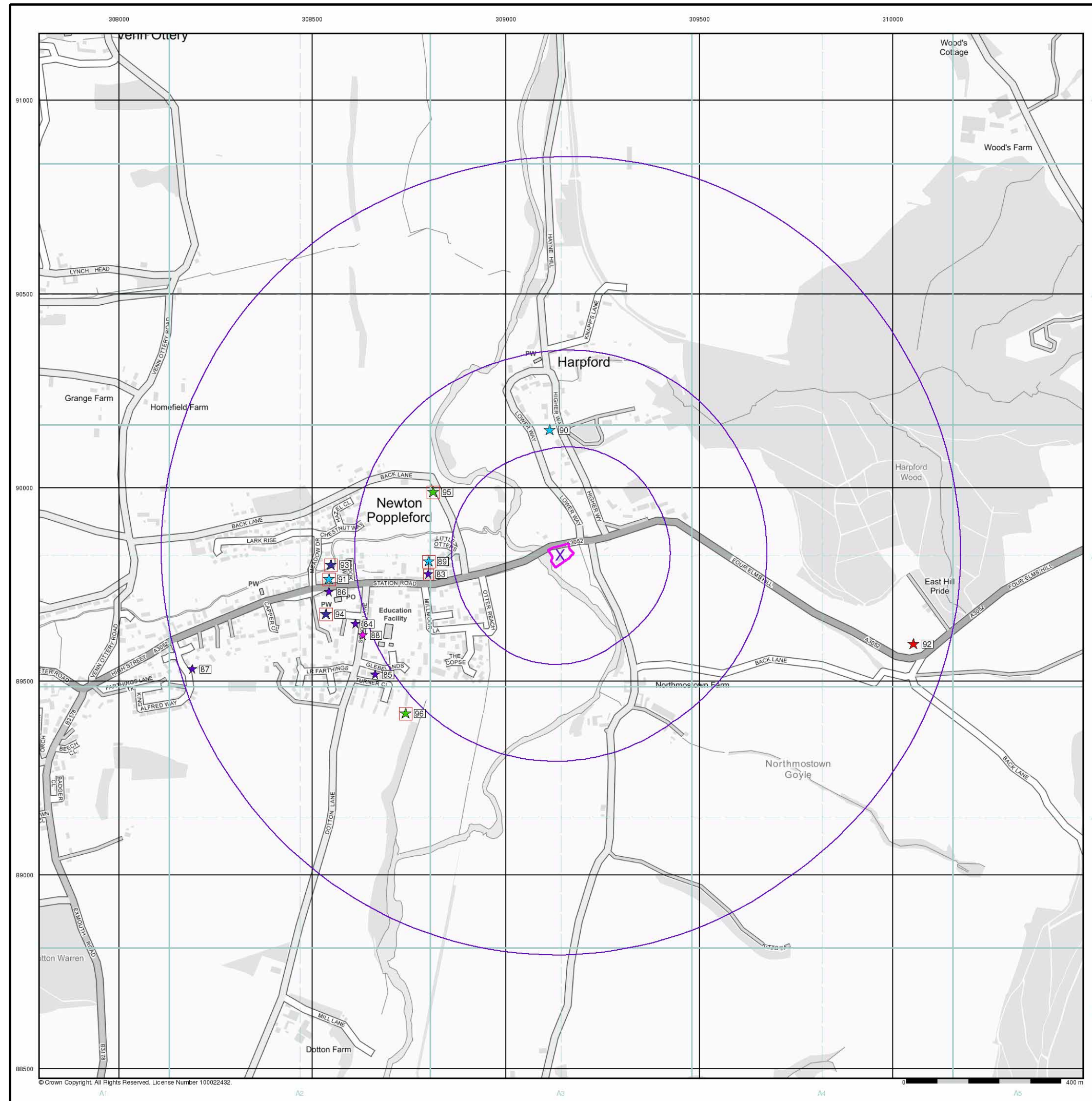
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Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840





Industrial Land Use Map

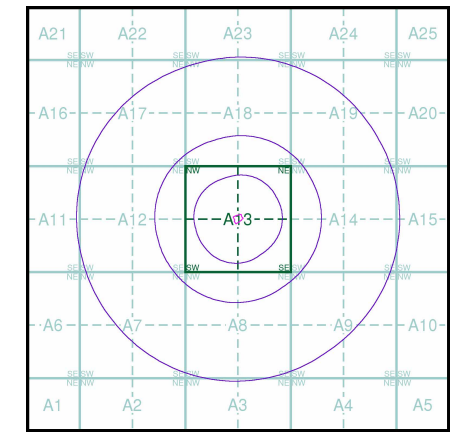
General

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

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

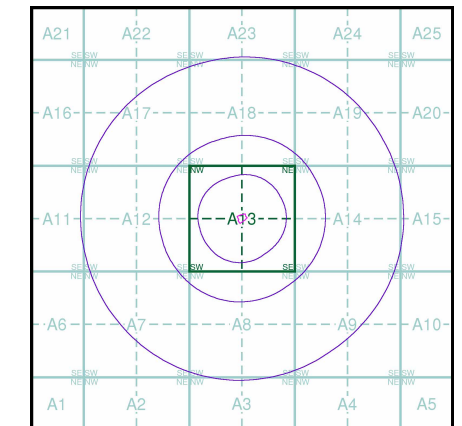
General

- 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

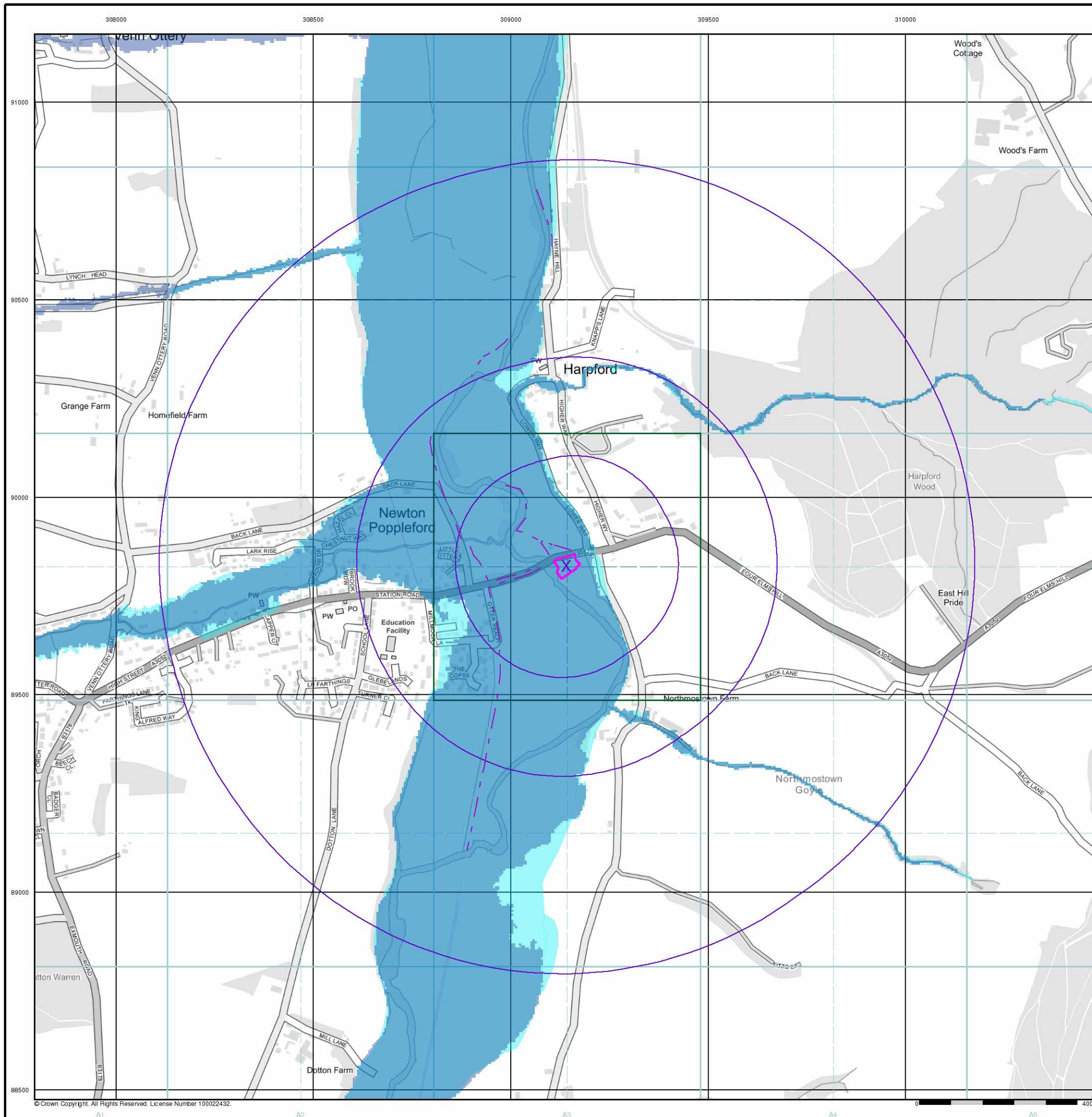


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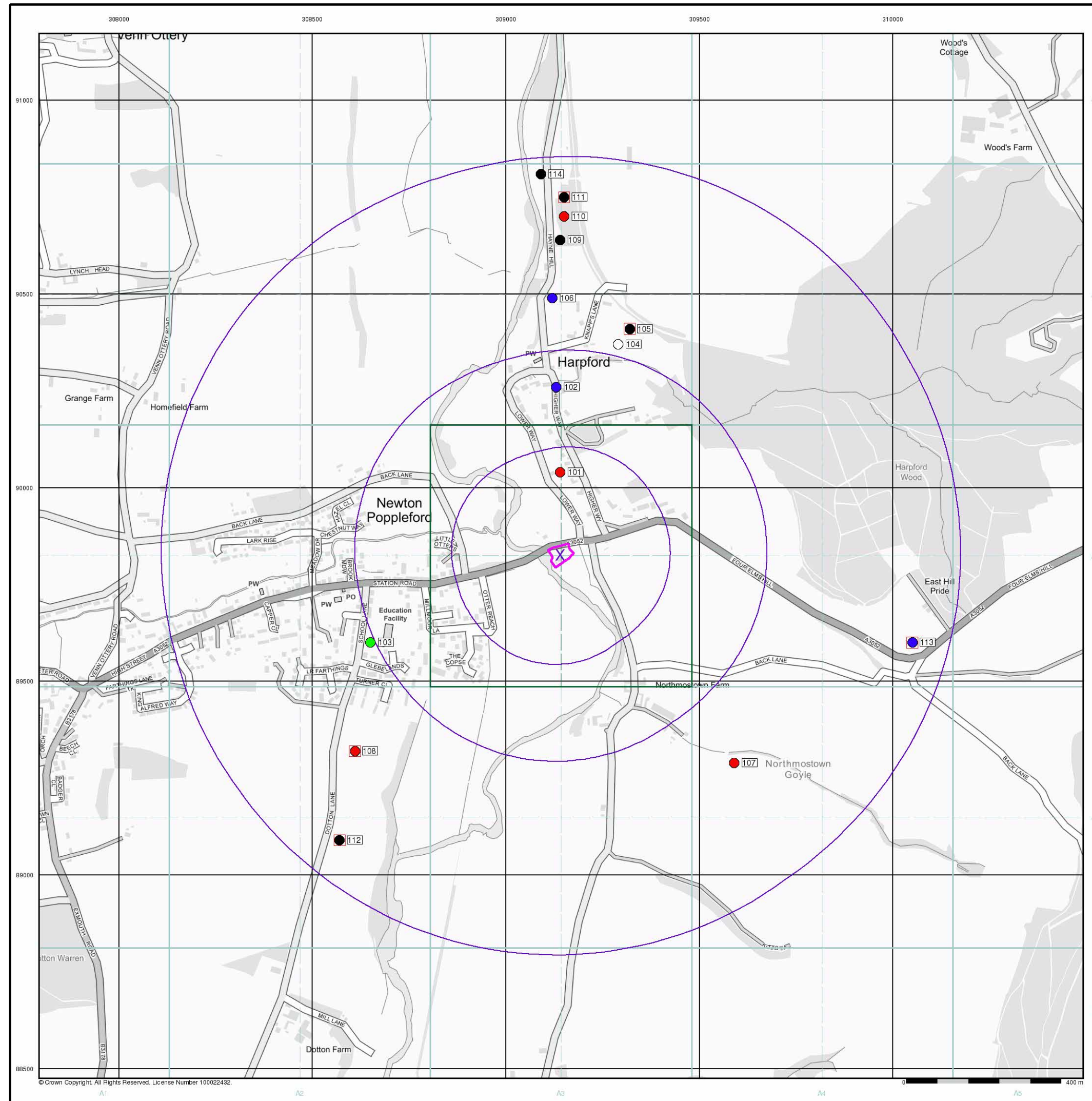
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 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840



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General

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

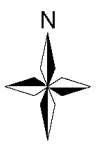
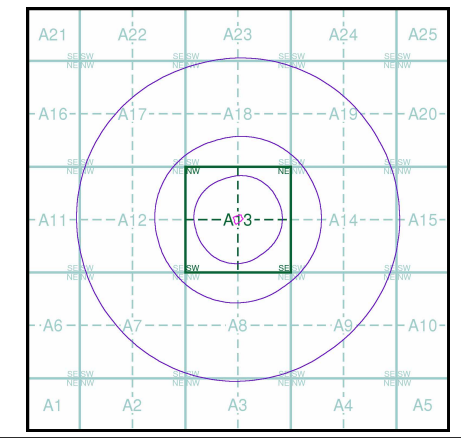
Agency and Hydrological (Boreholes)

- 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 A

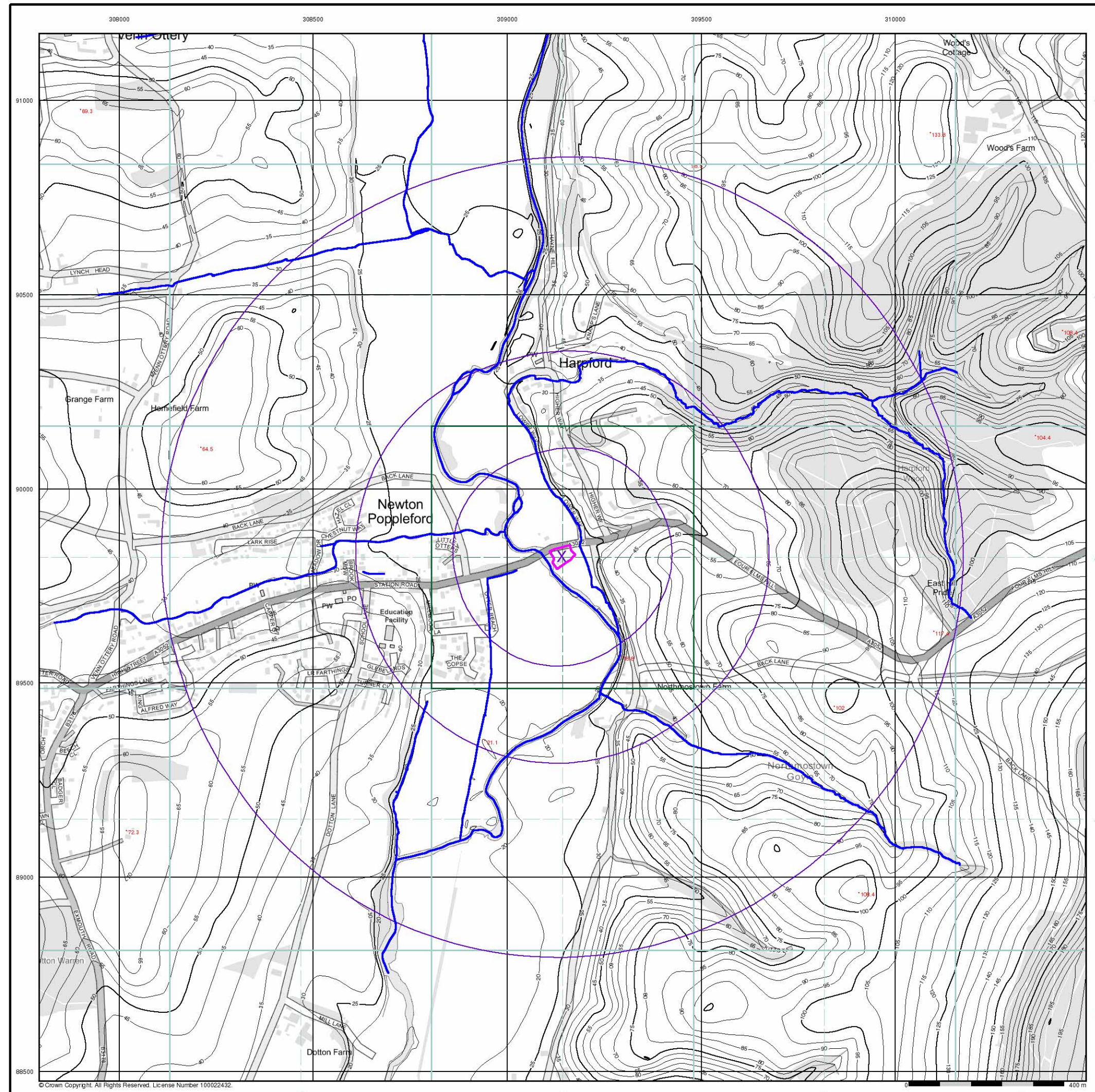


Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840



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General

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

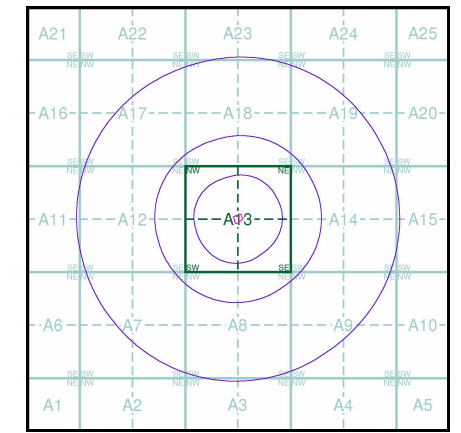
OS Water Network Data

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

Contours (height in meters)

- Standard Contour 105 MLW Mean Low Water
- Master Contour 100 MHW Mean High Water
- Spot Height *167.3

OS Water Network Map - Slice A



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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

General

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

Risk of Flooding from Surface Water

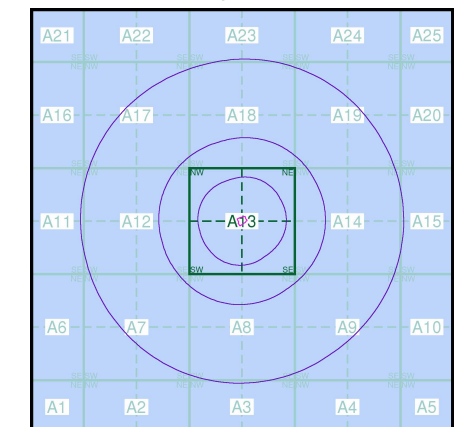
-  High - 30 Year Return
-  Medium - 100 Year Return
-  Low - 1000 Year Return

Suitability

See the suitability map below

-  National to county
-  County to town
-  Town to street
-  Street to parcels of land
-  Property

EANRW Suitability Map - Slice A

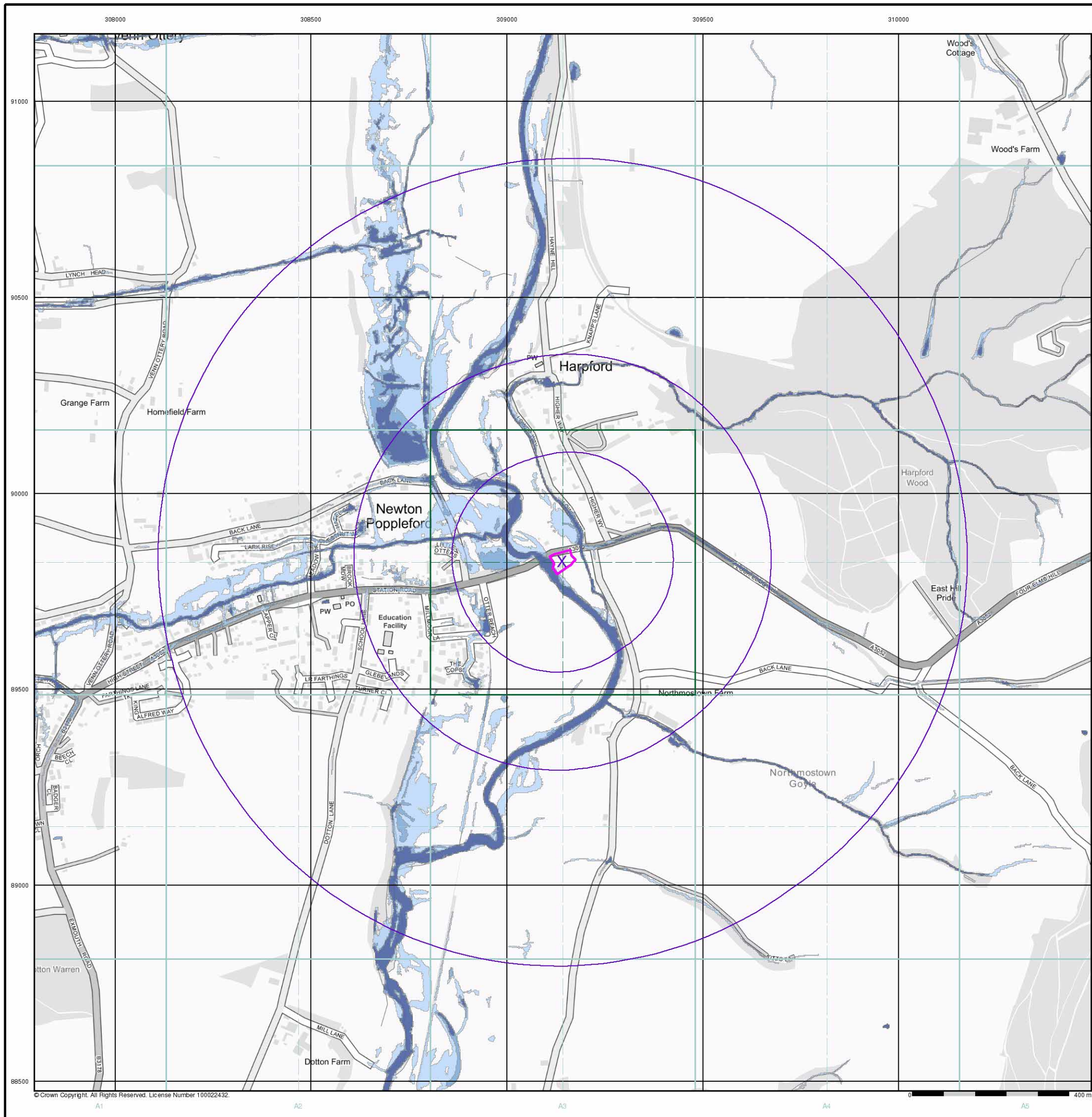


Order Details

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 National Grid Reference: 309140, 89830
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 Site Area (Ha): 0.23
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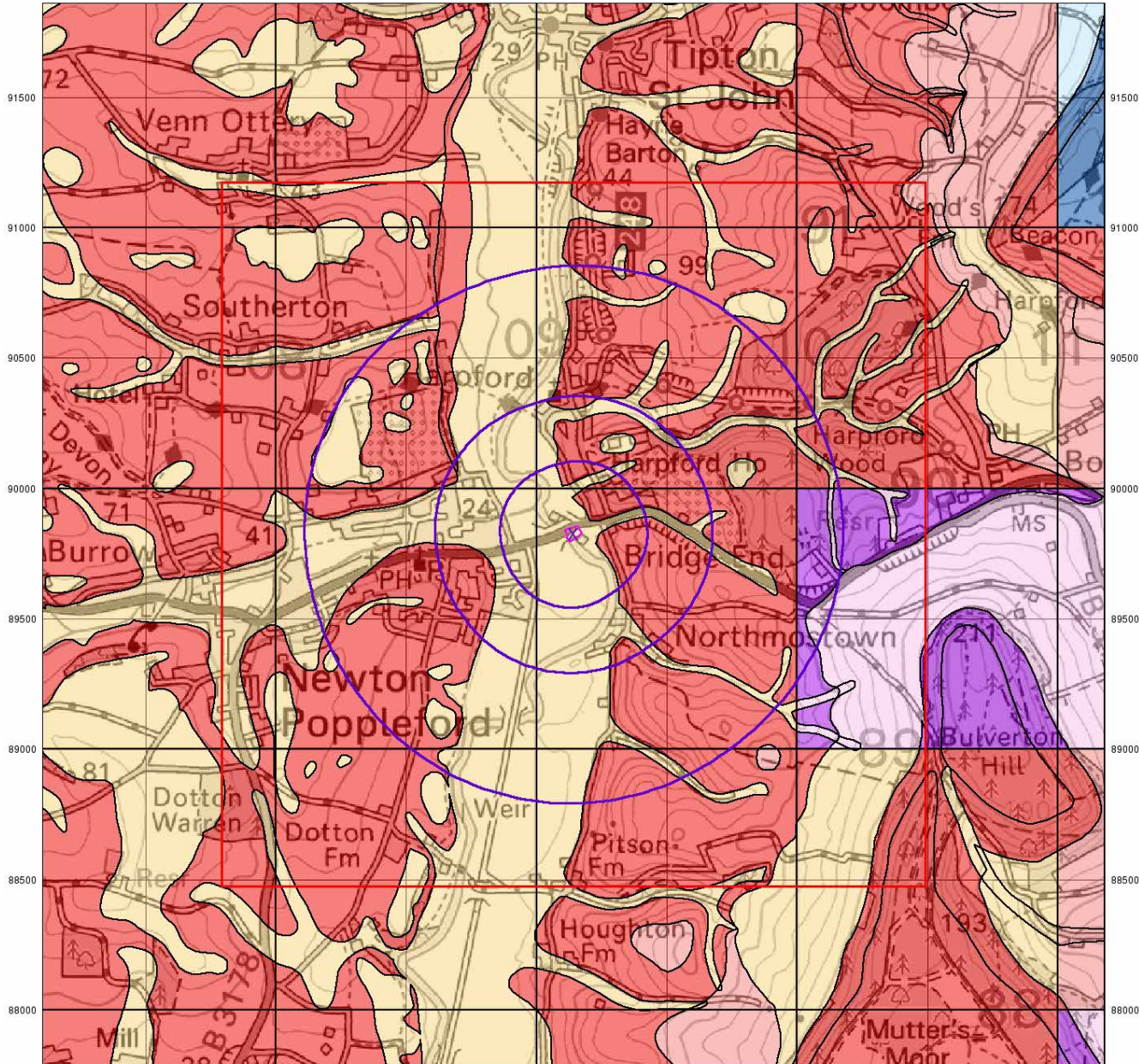
Site Details

Site at 309160, 89840



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Groundwater Vulnerability

General

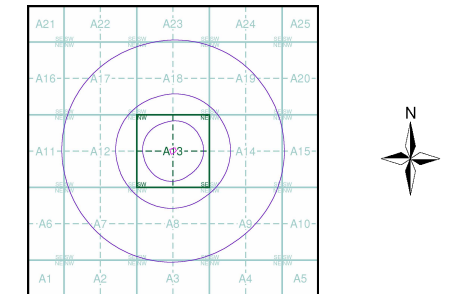
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Bedrock Aquifers	Superficial Aquifers
High Vulnerability, Principal Aquifer	High Vulnerability, Principal Aquifer
High Vulnerability, Secondary Aquifer	High Vulnerability, Secondary Aquifer
Medium Vulnerability, Principal Aquifer	Medium Vulnerability, Principal Aquifer
Medium Vulnerability, Secondary Aquifer	Medium Vulnerability, Secondary Aquifer
Low Vulnerability, Principal Aquifer	Low Vulnerability, Principal Aquifer
Low Vulnerability, Secondary Aquifer	Low Vulnerability, Secondary Aquifer

- Unproductive Aquifer
- Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

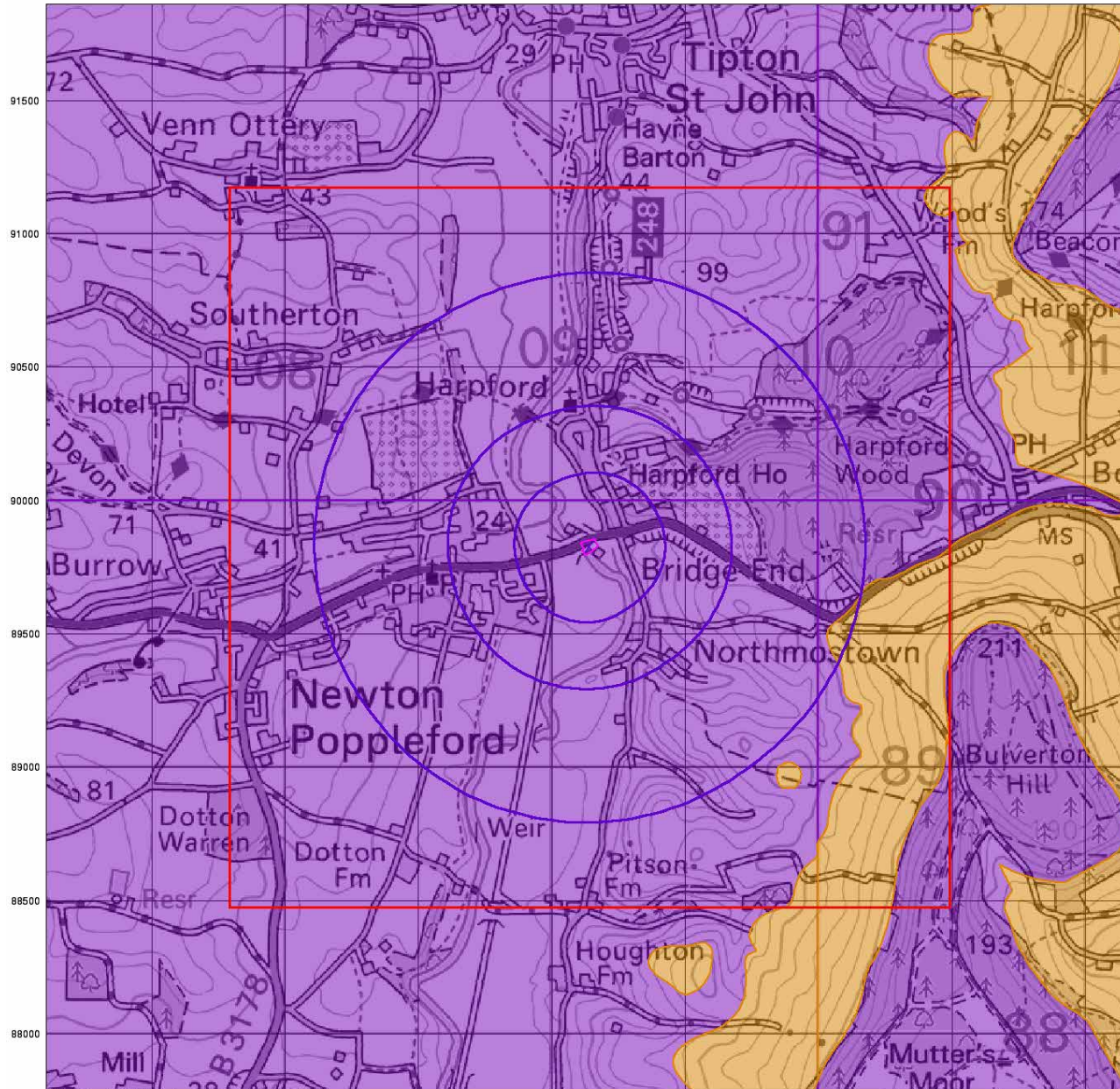
Site Details

Site at 309160, 89840

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Bedrock Aquifer Designation

General

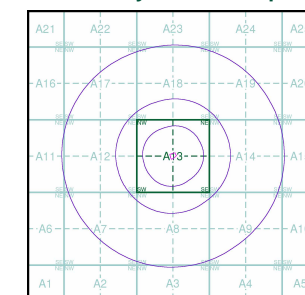
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

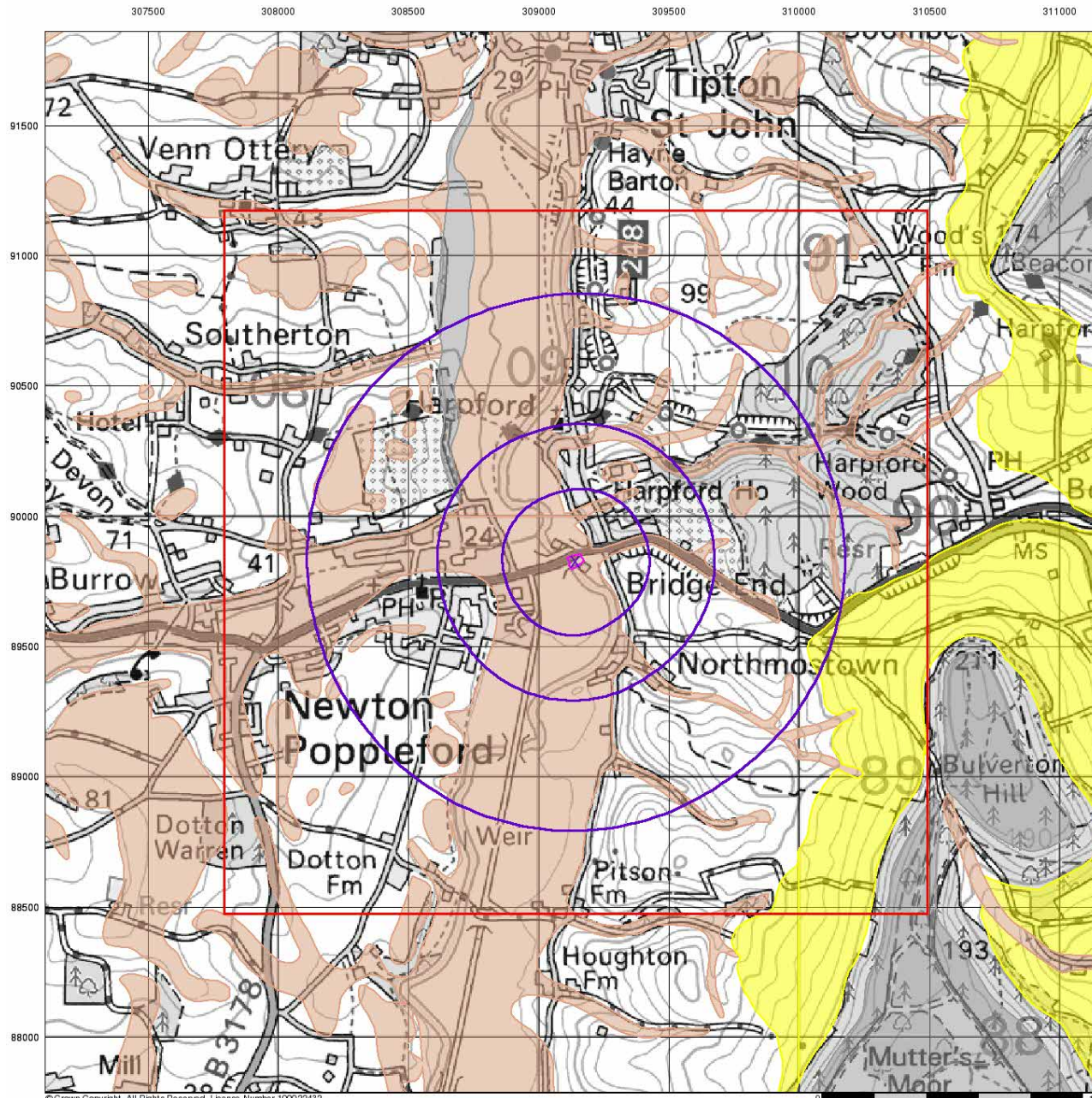
Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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Superficial Aquifer Designation

General

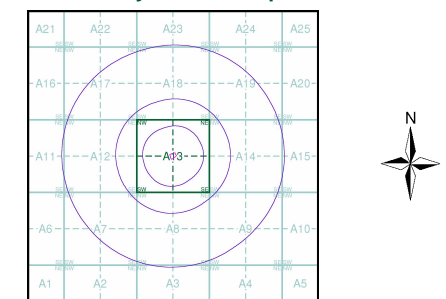
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

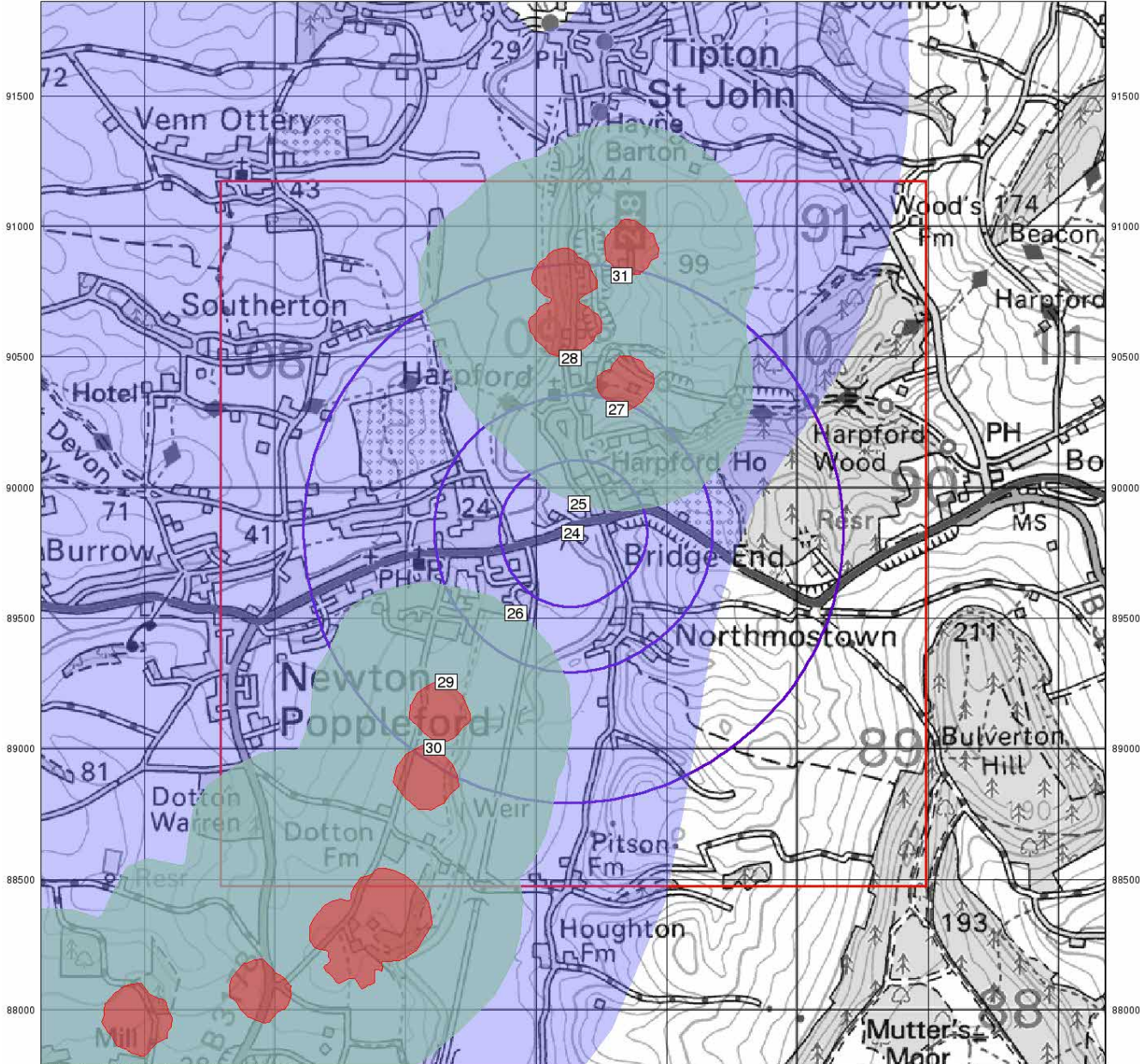
Site Details

Site at 309160, 89840

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 INFORMATION GROUP

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

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Source Protection Zones

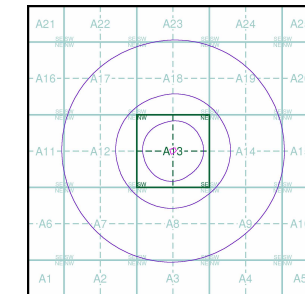
General

- 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: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

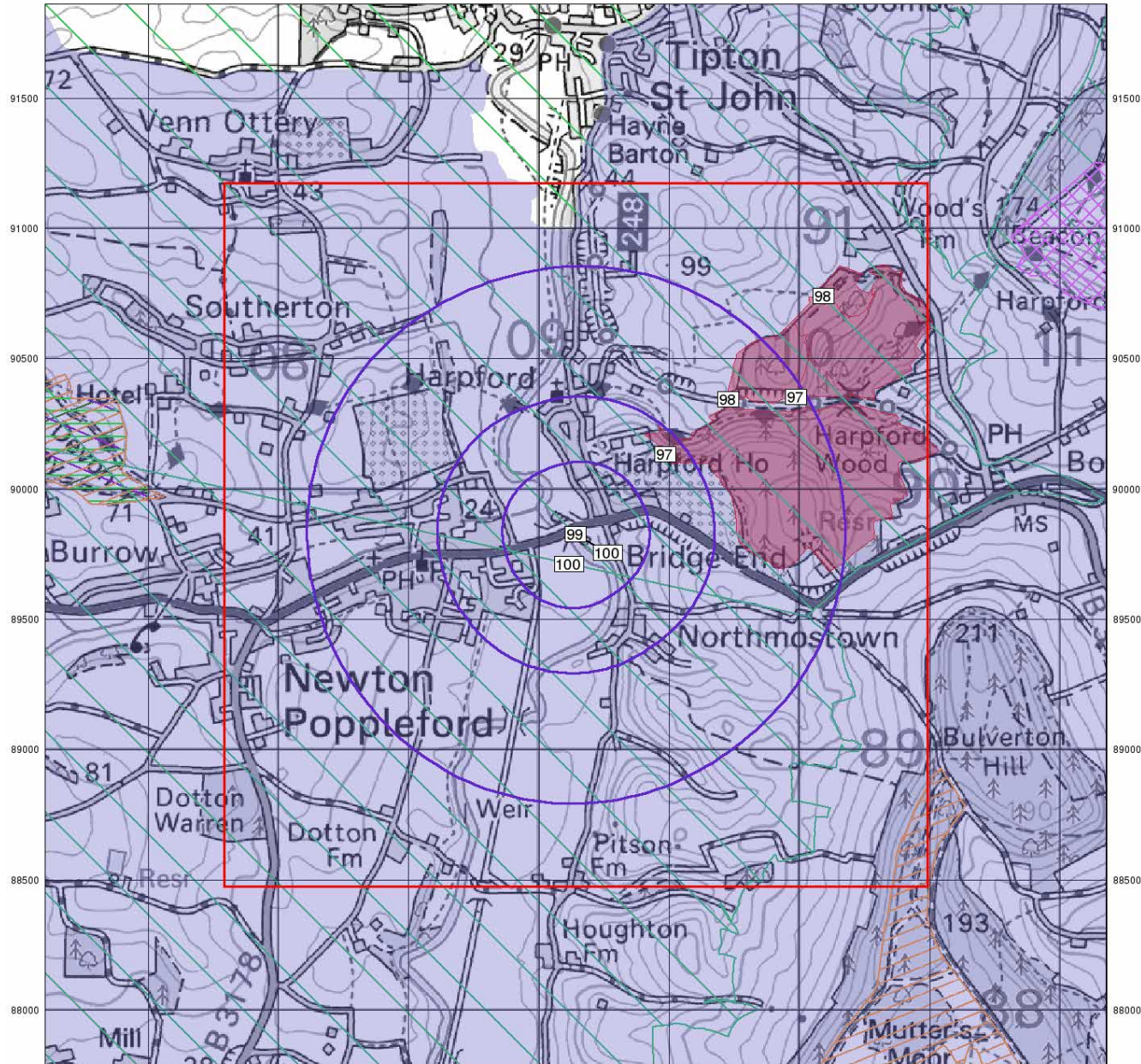
Site Details

Site at 309160, 89840

Landmark®
 LANDMARK INFORMATION GROUP

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

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Envirocheck®

LANDMARK INFORMATION GROUP®

Sensitive Land Uses

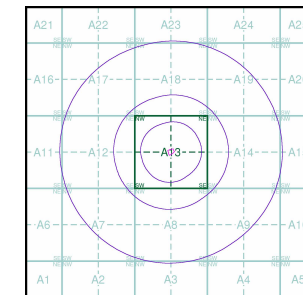
General

- 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: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

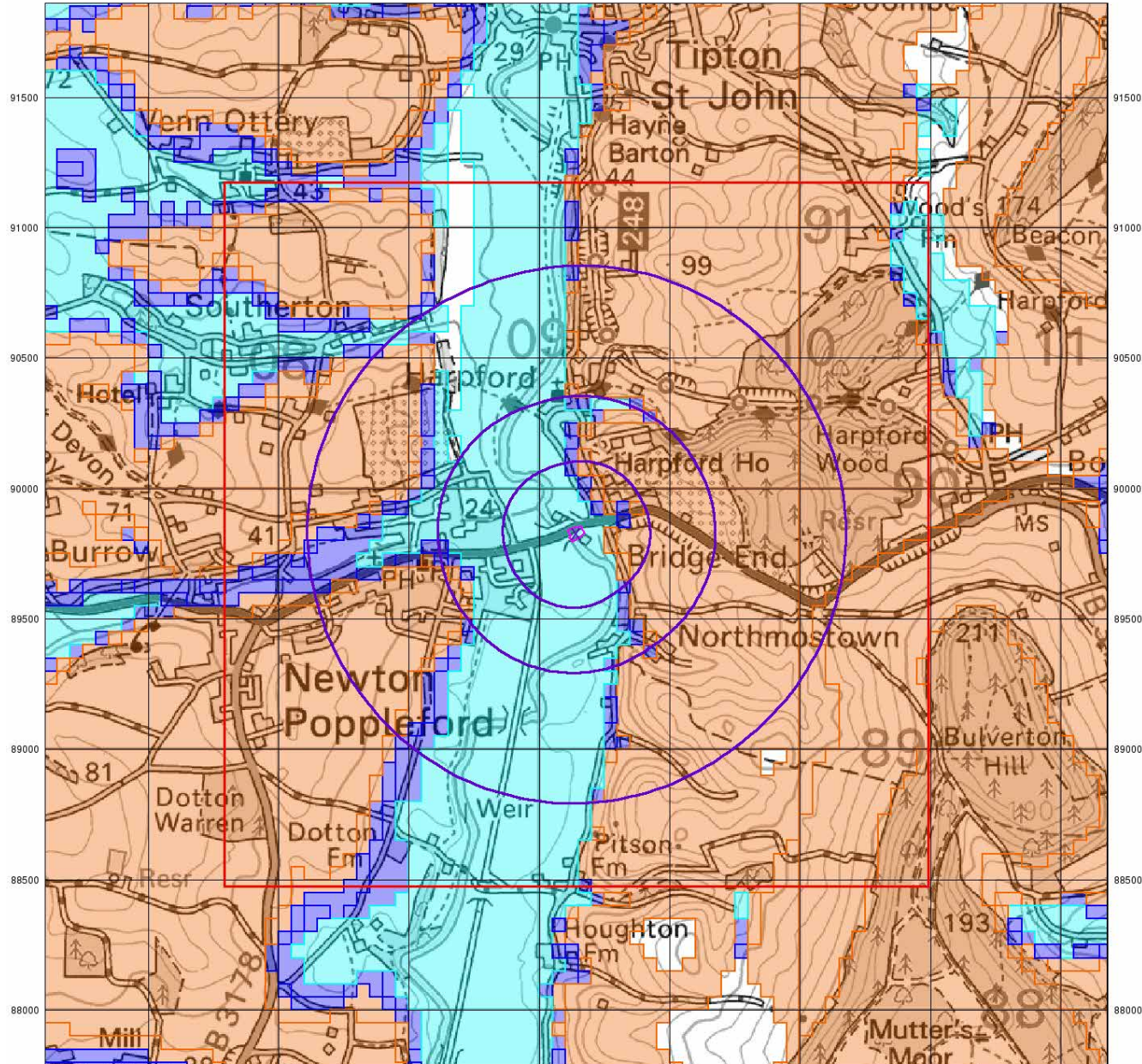
Site Details

Site at 309160, 89840

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307500 308000 308500 309000 309500 310000 310500 311000



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BGS Flood GFS Data

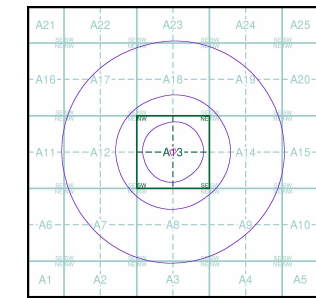
General

- 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: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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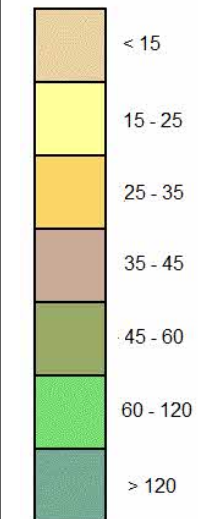
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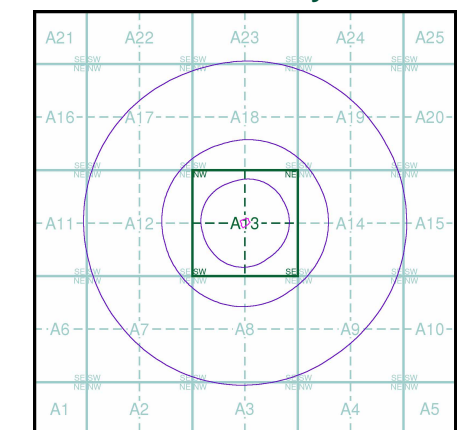
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Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg



Estimated Soil Chemistry Arsenic - Slice A

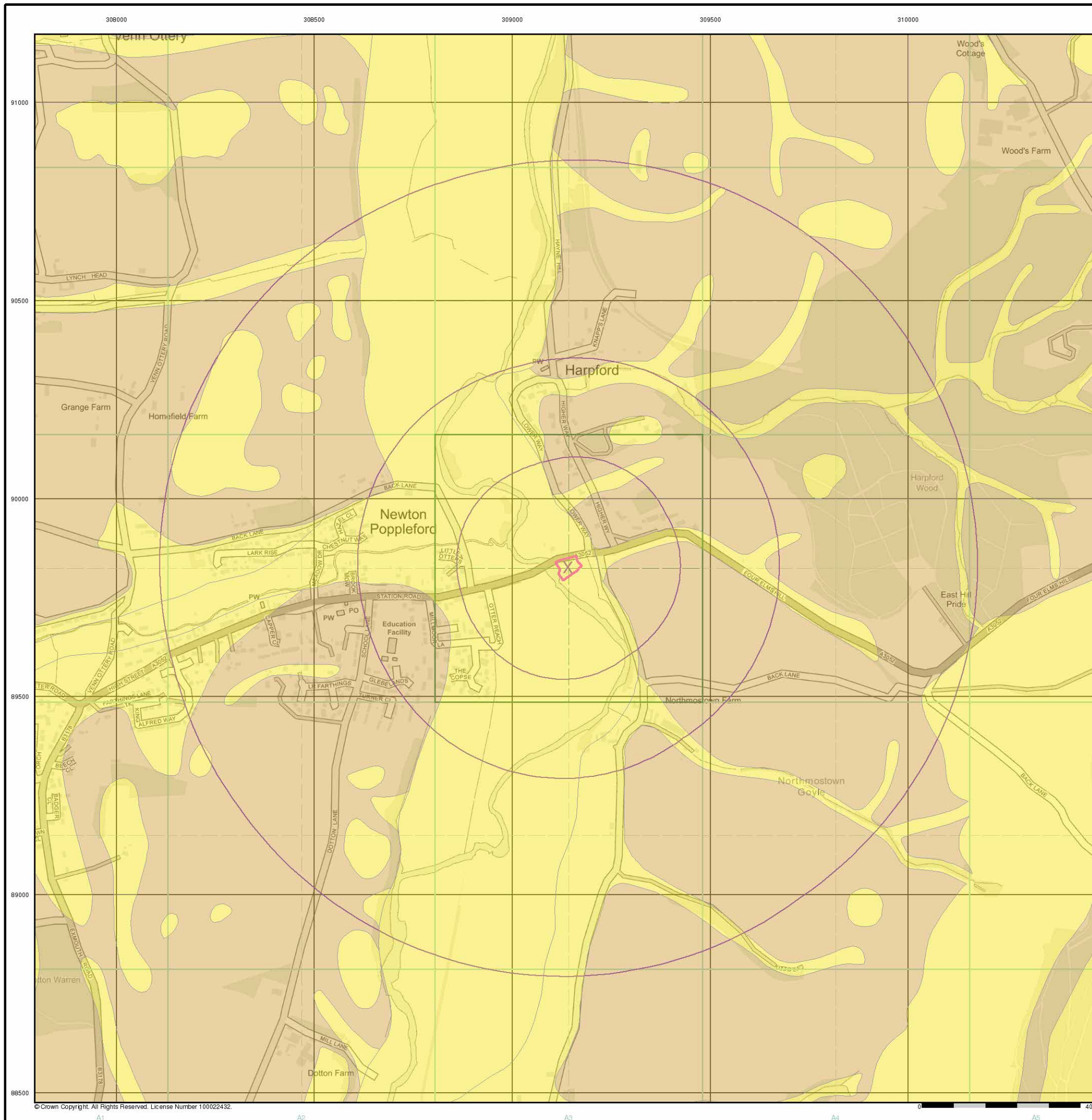


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Site Details

Site at 309160, 89840



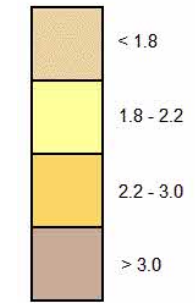
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General

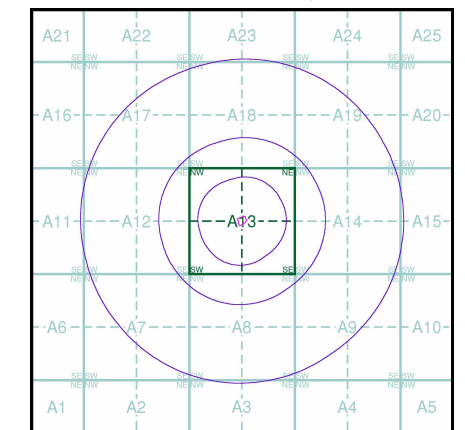
○ Specified Site
 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg



Estimated Soil Chemistry Cadmium - Slice A

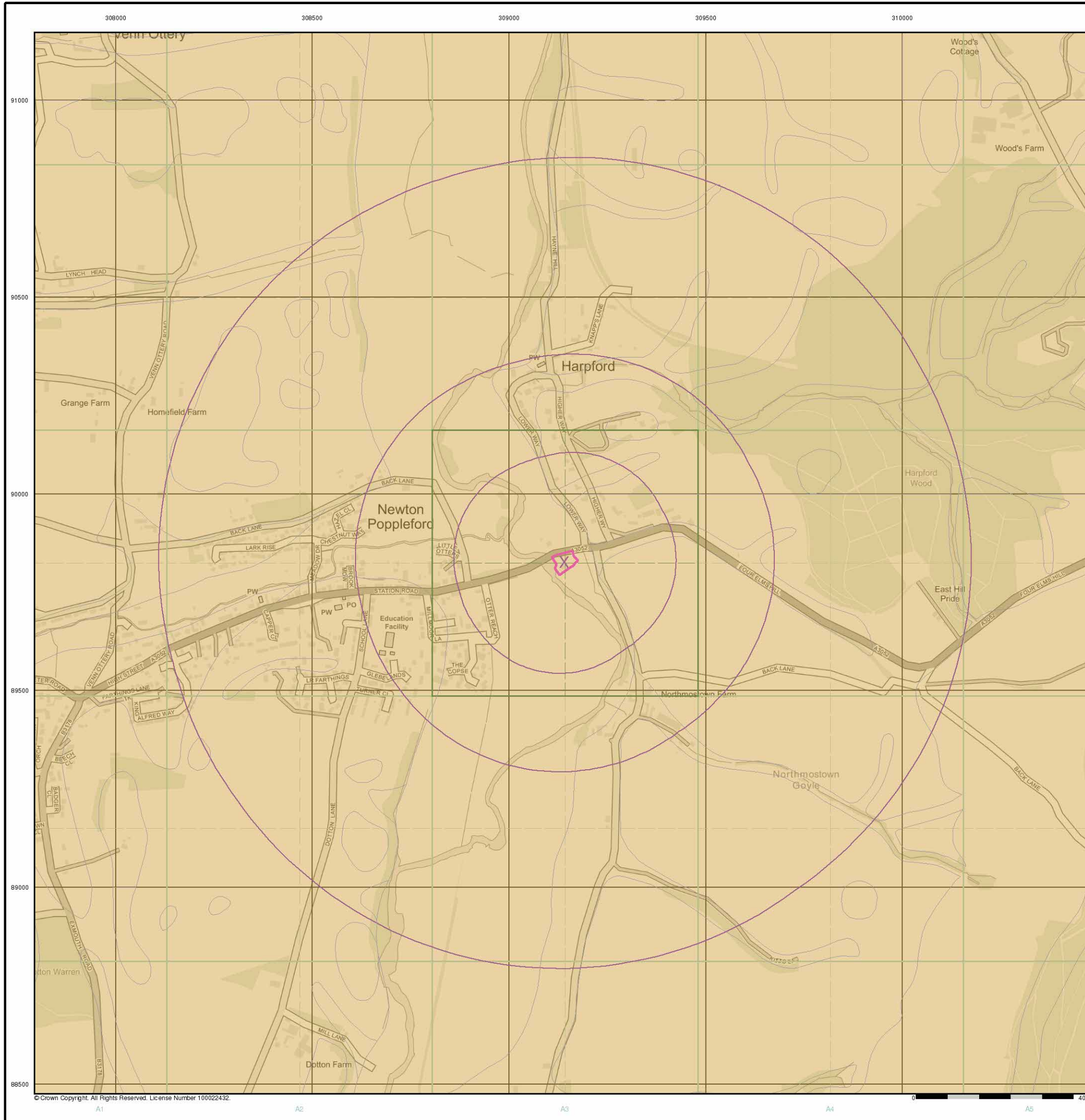


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Site Details

Site at 309160, 89840

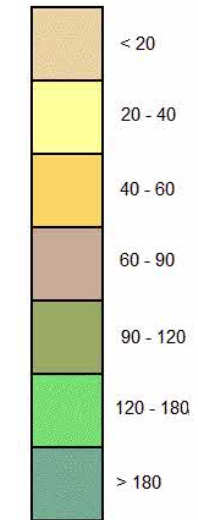


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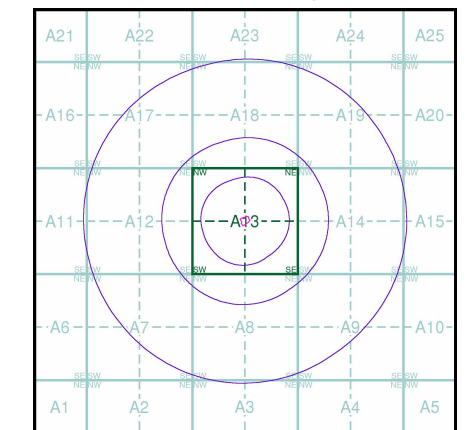
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 ○ Specified Buffer(s)
 X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg



Estimated Soil Chemistry Chromium - Slice A

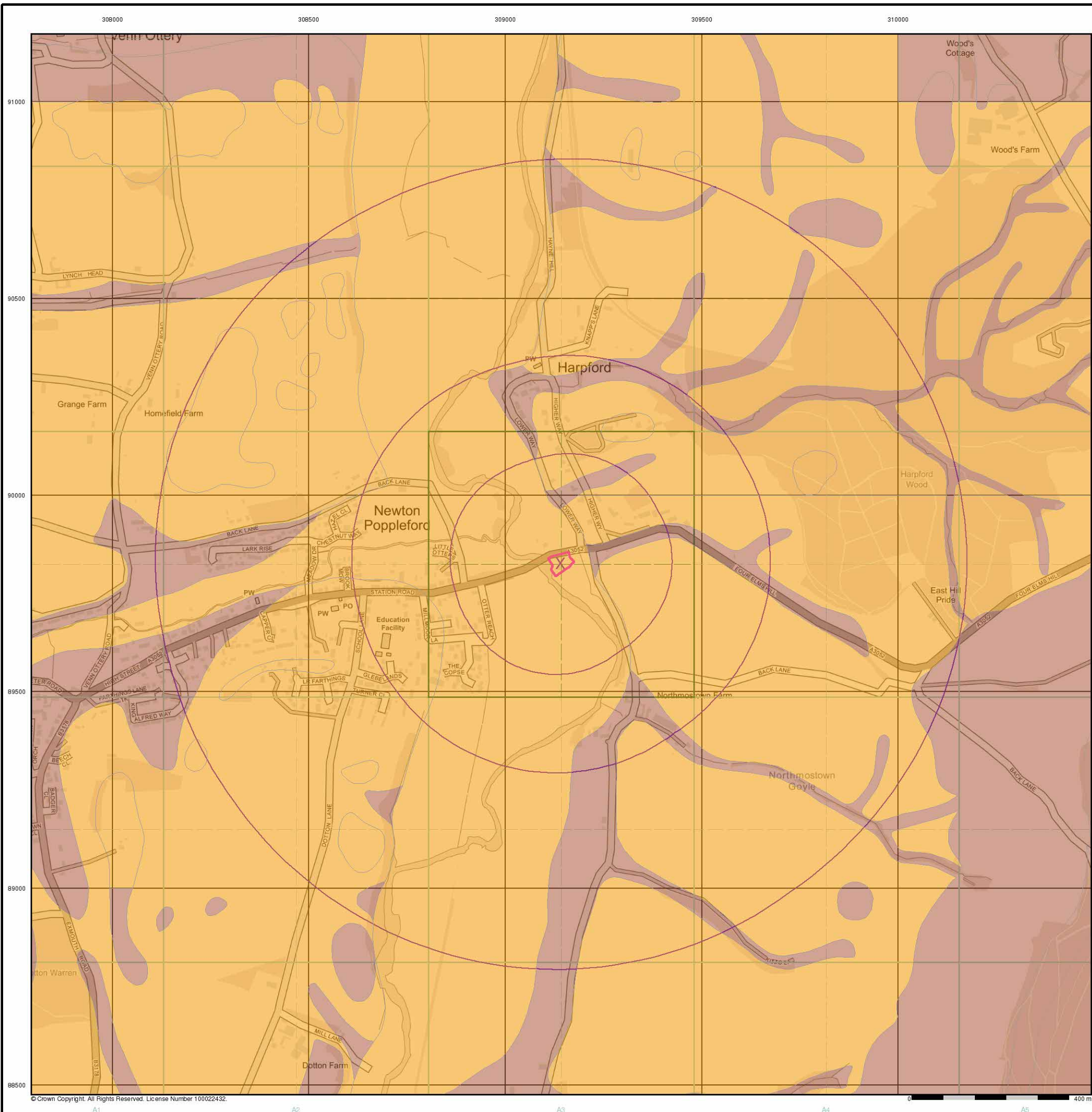


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Site Details

Site at 309160, 89840



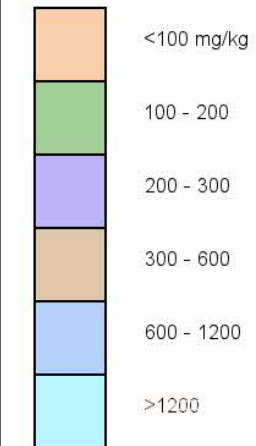
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General

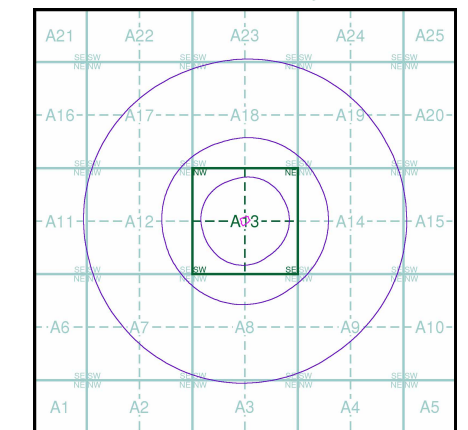
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg



Estimated Soil Chemistry Lead - Slice A

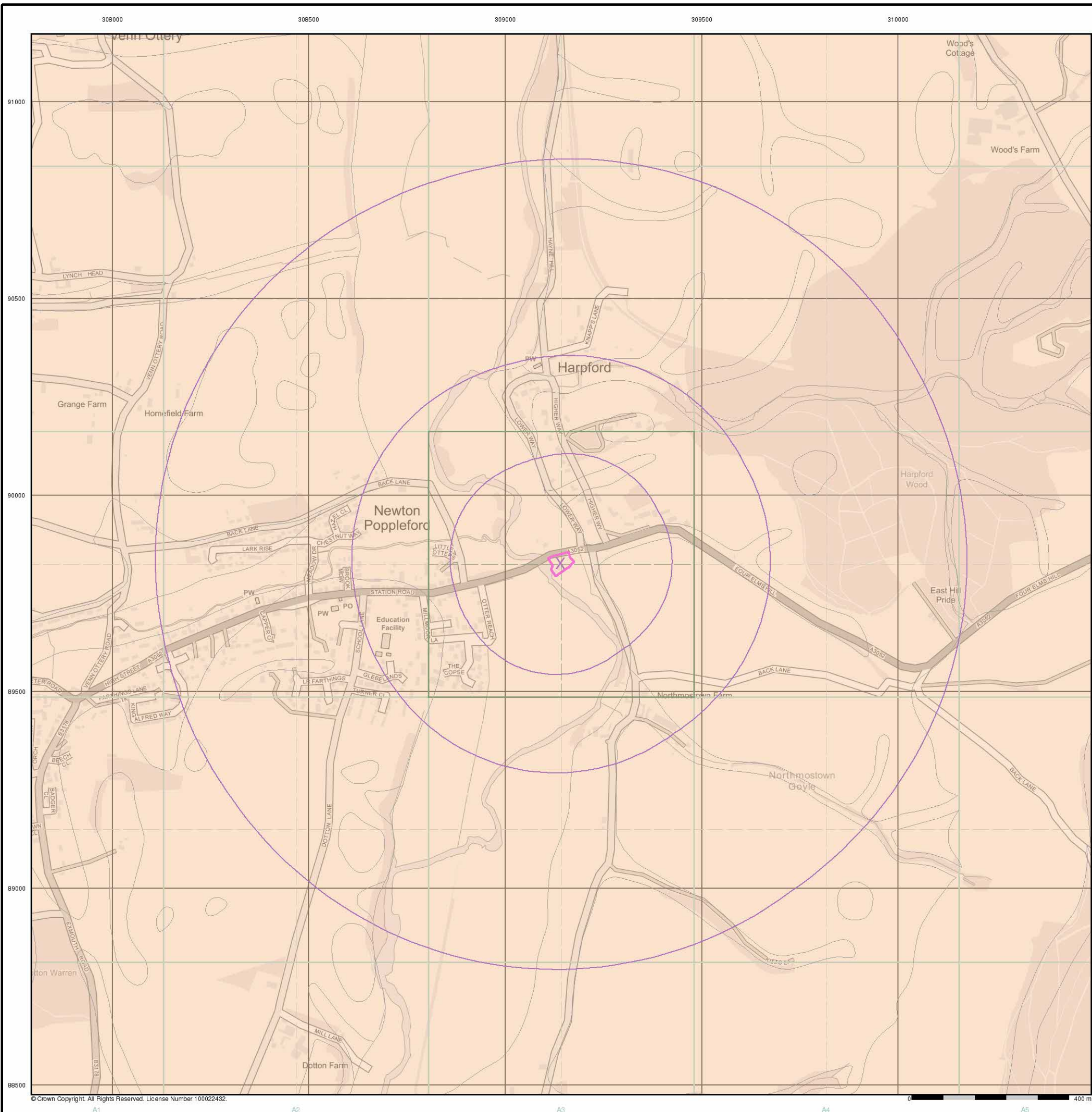


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Site at 309160, 89840



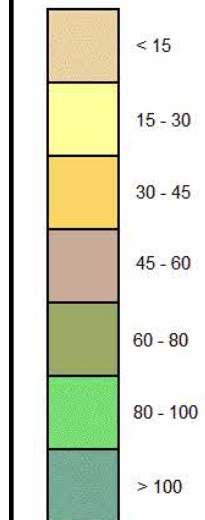
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General

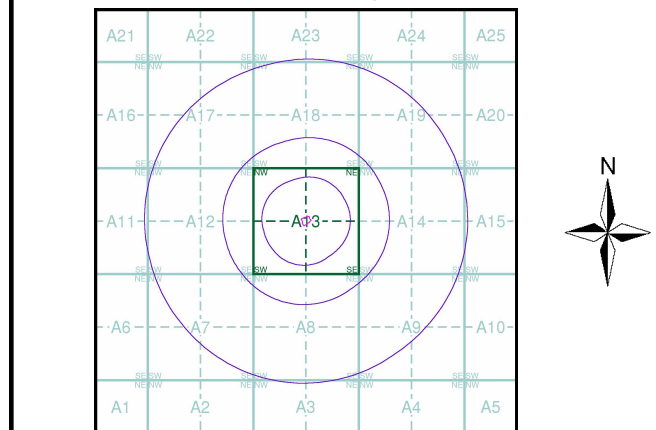
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg



Estimated Soil Chemistry Nickel - Slice A

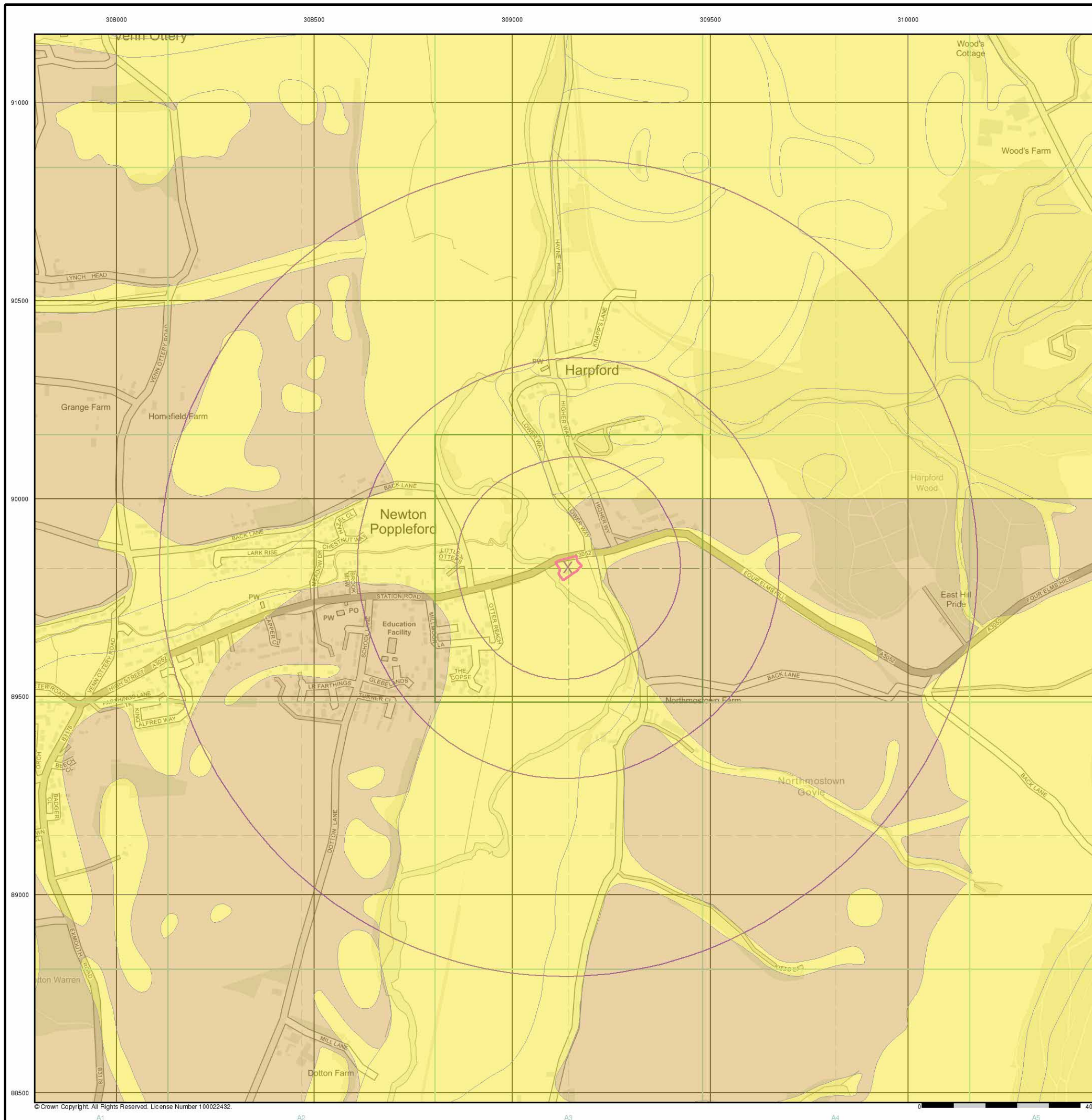


Order Details

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 Customer Ref: HCE1140
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 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840



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Appendix C Photosheet

Photo Sheet 1

Project Reference: HCE1140

Project Title: Bridge End, Newton Poppleford



Photograph 1: View of entrance and eastern area of the Site.



Photograph 2: View of the building looking south-west.

Photo Sheet 2

Project Reference: HCE1140

Project Title: Bridge End, Newton Poppleford



Photograph 3: View of materials and scrap metal stored within the building.



Photograph 4: View of the stockpile in the west of the Site with Himalayan Balsam present (Photo by Horizon, 14 March 2023).

Photo Sheet 3

Project Reference: HCE1140

Project Title: Bridge End, Newton Poppleford



Photograph 5: View of old oil drums adjacent to building.



Photograph 6: Fly-tipped material in the north of the Site.

Photo Sheet 4

Project Reference: HCE1140

Project Title: Bridge End, Newton Poppleford



Photograph 7: General view of the Site looking west with stockpile shown in the background.

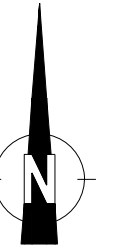


Photograph 8: View of the entrance to the Site to the north-east.

Appendix D Horizon Drawings

NOTES: GENERAL

1. DO NOT SCALE FROM THIS DRAWING.
2. THIS DRAWING SHALL BE READ IN CONJUNCTION WITH ALL RELEVANT SCHEME DRAWINGS AND SPECIFICATIONS.



A3052

RIVERSIDE COTTAGE

STORAGE CONTAINERS

RIVER OTTER

PEARCE'S YARD

MAIN BUILDING

STOCKPILE

CARAVAN



KEY:

← □ PHOTOGRAPH REFERENCE



The Dairy Barn, Westpoint Crt, Sidmouth Rd, Exeter EX5 1DJ
T: 01392 363364 www.horizon-ce.co.uk



JOB TITLE
BRIDGE END
NEWTON POPPLEFORD

DRAWING TITLE
SITE FEATURES PLAN

Rev	Description	Drn	Chk	Date
REVISIONS				
Preliminary	Approval	Tender	Const.	
DRAWING STATUS				
DATE	DRAWN	CHECKED		
SEP '23	JH	AL		
DRAWING No.	REV	SCALE		
Figure 1		NTS	@ A3	

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Appendix E Historical Maps

Historical Mapping Legends

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

Quarry **Gravel Pit** **Sand Pit**
Clay Pit **Shingle** **Refuse Heap**
Sloping Masonry **Flat Rock**
Marsh **Reeds** **Osiers**
Rough Pasture **Furze** **Wood**
Mixed Wood **Brushwood** **Orchard**
Fir **Ford** **Stepping Stones**
Ferry **Waterfall** **Lock**
Trig. Station **Altitude at Trig. Station**
B.M. 325.9 **Bench Mark** **Surface Level**
Arrow denotes flow of water **Antiquities (site of)**
Cutting **Embankment**
Railway crossing Road **Level Crossing** **Road crossing Railway**
Railway crossing River or Canal **Road over single stream** **Road over River or Canal**
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
County Borough Boundary (England)
County Burgh Boundary (Scotland)
Co. Boro. Bdy.
Co. Burgh Bdy.
BP BS Boundary Post or Stone **P.C.B** Police Call Box
B.R. Bridle Road **P** Pump
E.P Electricity Pylon **S.P** Signal Post
F.B. Foot Bridge **SL** Sluice
F.P. Foot Path **Sp.** Spring
G.P Guide Post or Board **T.C.B** Telephone Call Box
M.S Mile Stone **Tr.** Trough
M.P M.R Mooring Post or Ring **W** Well

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

Inactive Quarry, Chalk Pit or Clay Pit **Active Quarry, Chalk Pit or Clay Pit**
Rock **Boulders**
Cliff **Slopes** **Top**
Roofed Building **Glazed Roof Building**
Sloping Masonry **Archway**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Bench Mark** **Antiquity (site of)**
Cave Entrance **Triangulation Station** **Electricity Pylon**
Electricity Transmission Line
County Boundary (Geographical)
County & Civil Parish Boundary
Civil Parish Boundary
Admin. County or County Bor. Boundary
London Borough Boundary
Symbol marking point where boundary mereing changes
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
EI 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, Wr T** 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

Cliff **Slopes** **Top**
Rock **Rock (scattered)**
Boulders **Boulders (scattered)**
Positioned Boulder **Scree**
Non-Coniferous Tree (surveyed) **Coniferous Tree (surveyed)**
Non-Coniferous Trees (not surveyed) **Coniferous Trees (not surveyed)**
Orchard Tree **Scrub** **Bracken**
Coppice, Osier **Reeds** **Marsh, Saltings**
Rough Grassland **Heath** **Culvert**
Direction of water flow **Triangulation Station** **Antiquity (site of)**
Electricity Transmission Line **Electricity Pylon**
B.M. 231.60m Bench Mark **Buildings with Building Seed**
Roofed Building **Glazed Roof Building**
Civil parish/community boundary
District boundary
County boundary
Boundary post/stone
Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)
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
Dismtd Rly Dismantled Railway **PW** Place of Worship
EI Gen Sta Electricity Generating Station **Sewage Ppg Sta** Sewage Pumping Station
EI P Electricity Pole, Pillar **SB, S Br** Signal Box or Bridge
EI 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

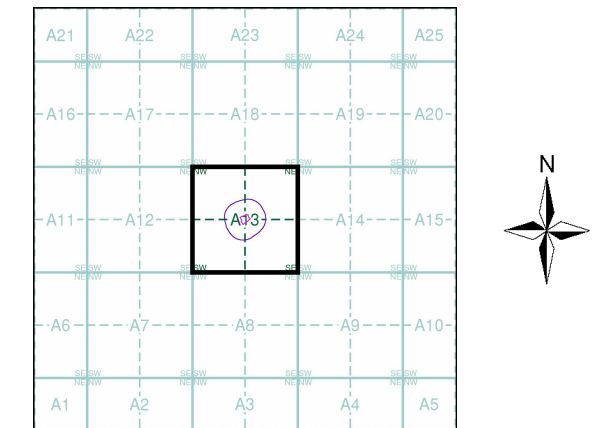
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Devon	1:2,500	1889	2
Devon	1:2,500	1905	3
Devon	1:2,500	1932	4
Ordnance Survey Plan	1:2,500	1957 - 1958	5
Ordnance Survey Plan	1:2,500	1972	6
Additional SIMs	1:2,500	1972 - 1986	7
Additional SIMs	1:2,500	1982 - 1989	8
Additional SIMs	1:2,500	1986	9
Ordnance Survey Plan	1:2,500	1991	10
Large-Scale National Grid Data	1:2,500	1994	11
Large-Scale National Grid Data	1:2,500	1996	12
Historical Aerial Photography	1:2,500	1999	13

Historical Map - Segment A13



Order Details

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 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 100

Site Details

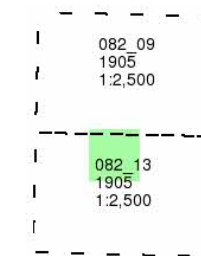
Site at 309160, 89840

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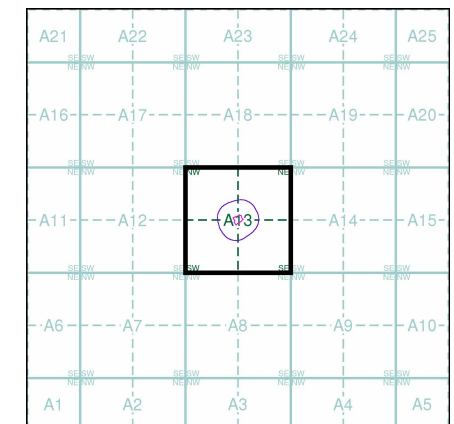
Tel: 0844 844 9952
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13

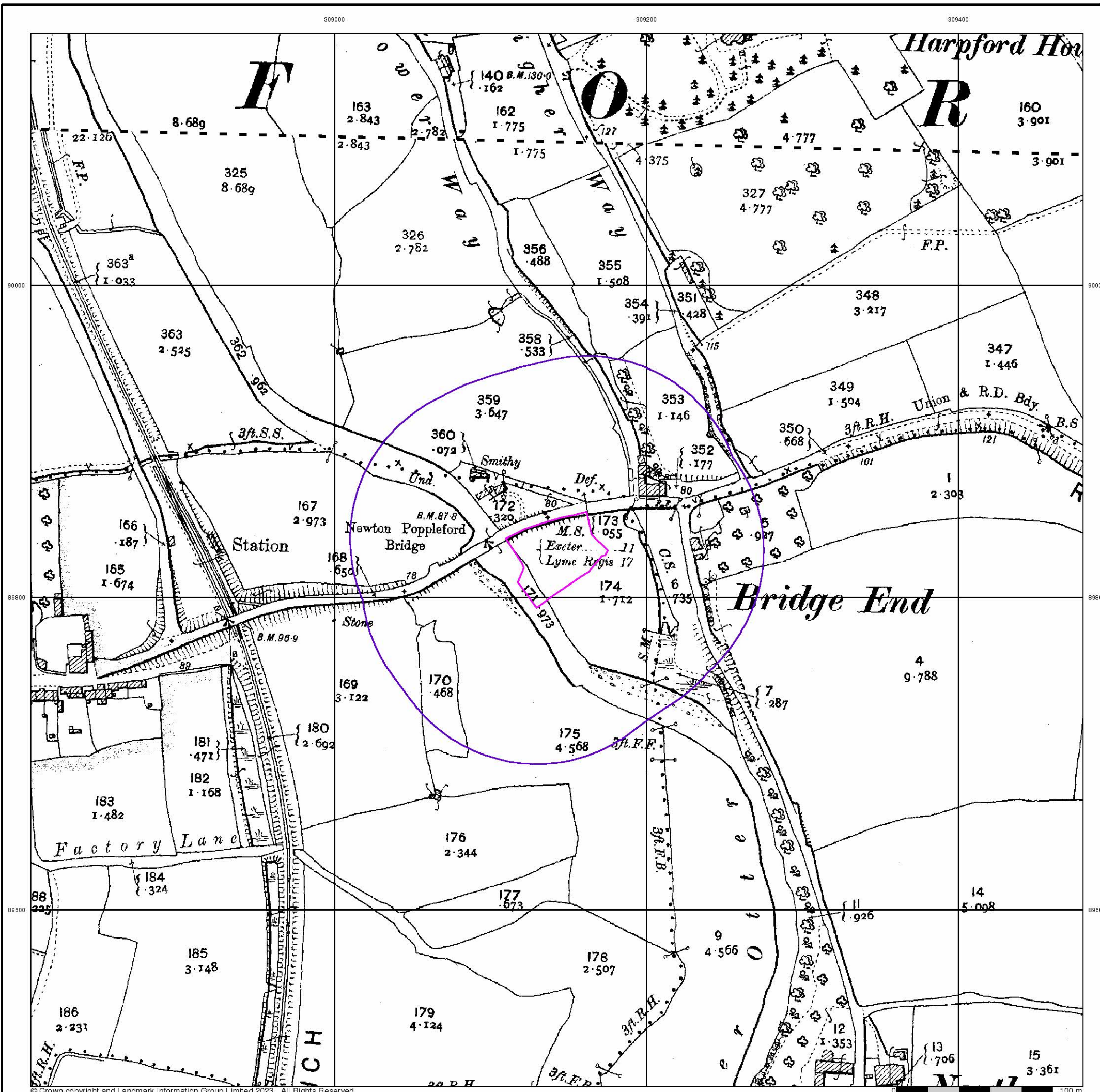


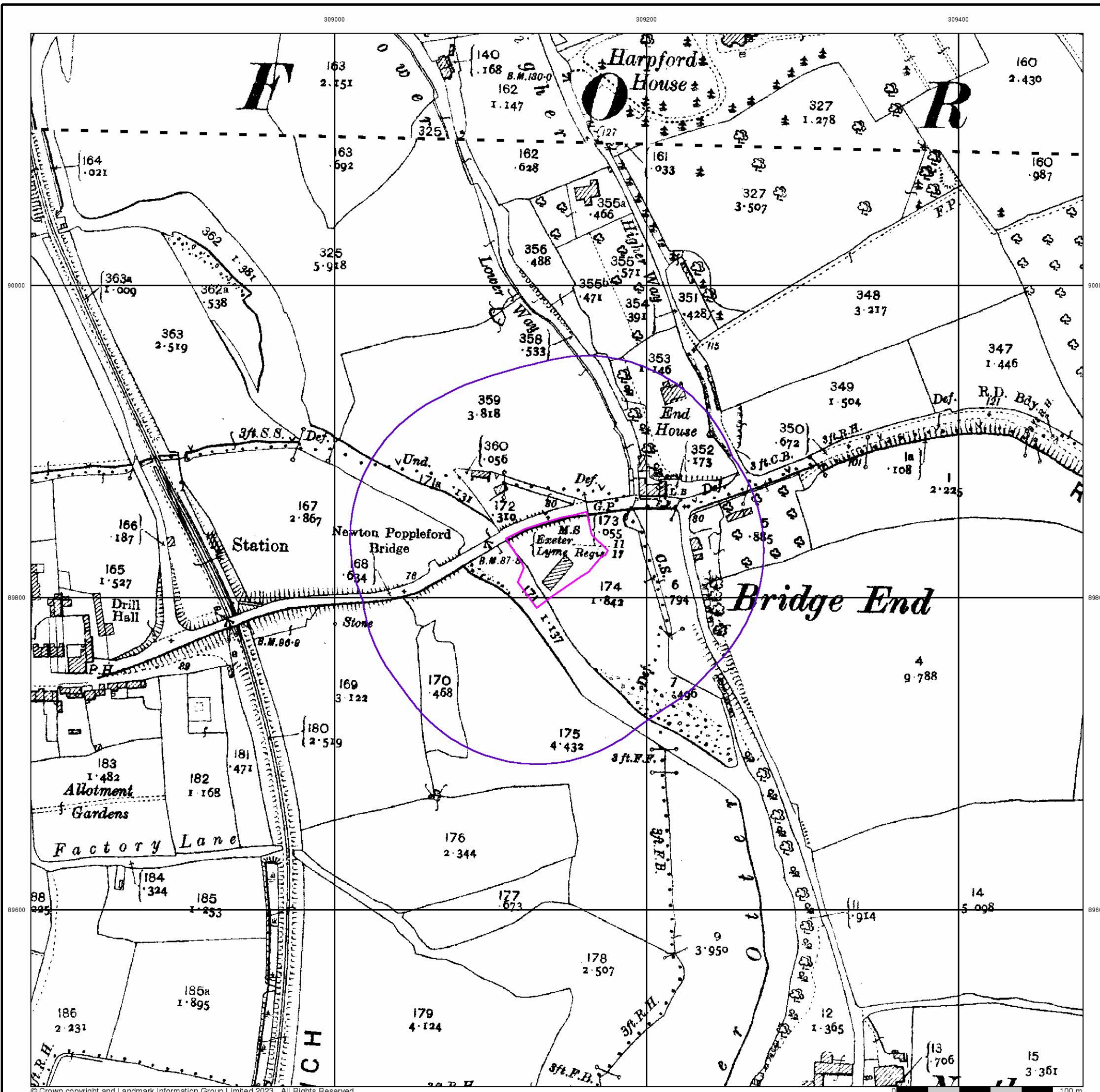
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Site Details

Site at 309160, 89840





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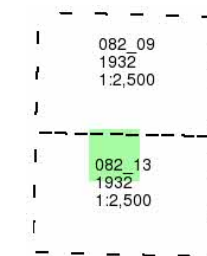
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Published 1932

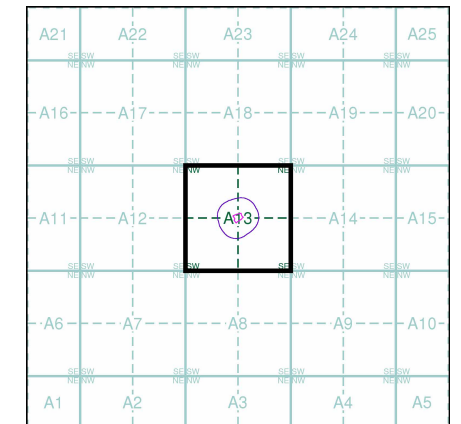
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 316264042_1_1
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 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 100

Site Details

Site at 309160, 89840

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Ordnance Survey Plan

Published 1957 - 1958

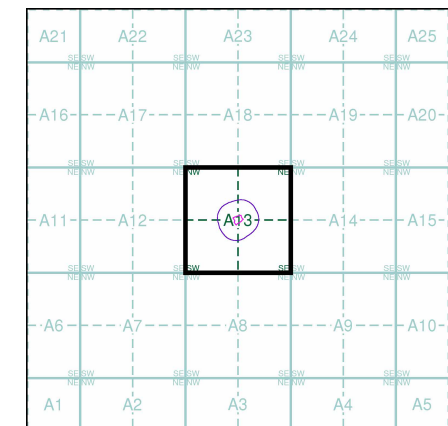
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Map Name(s) and Date(s)

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SY0889 1957 1:2,500	SY0989 1957 1:2,500

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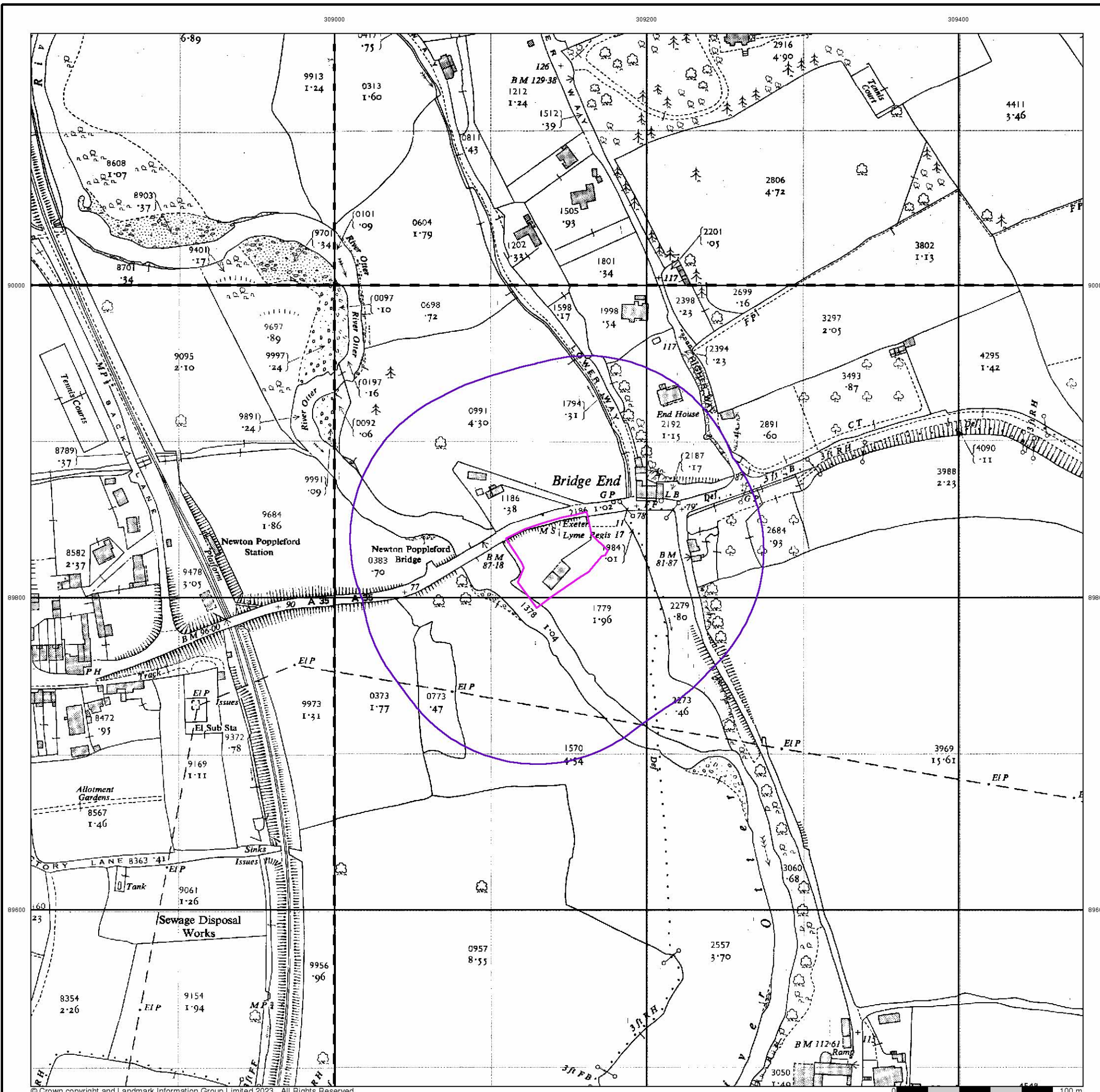


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Site Details

Site at 309160, 89840



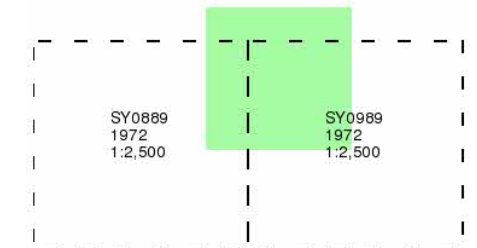
Ordnance Survey Plan

Published 1972

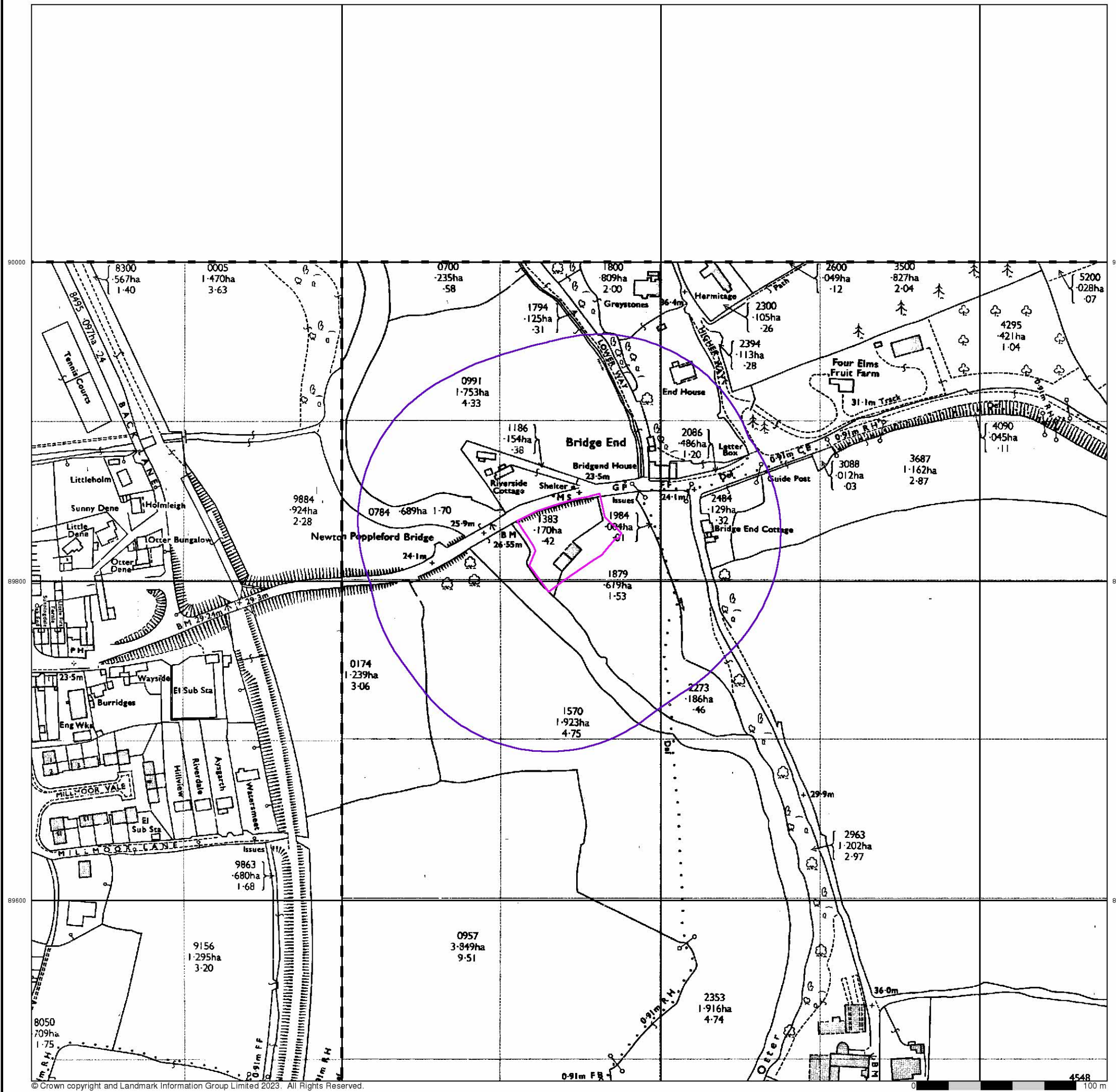
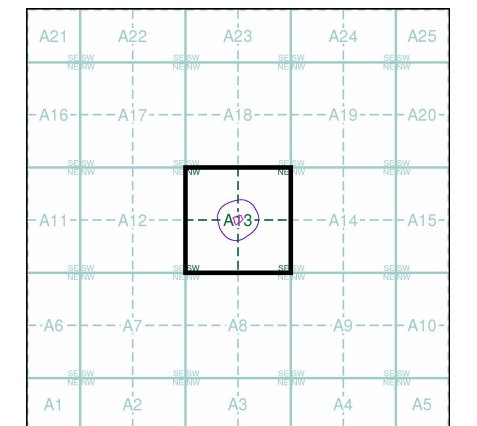
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

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 Customer Ref: HCE1140
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Site Details

Site at 309160, 89840

Additional SIMs

Published 1972 - 1986

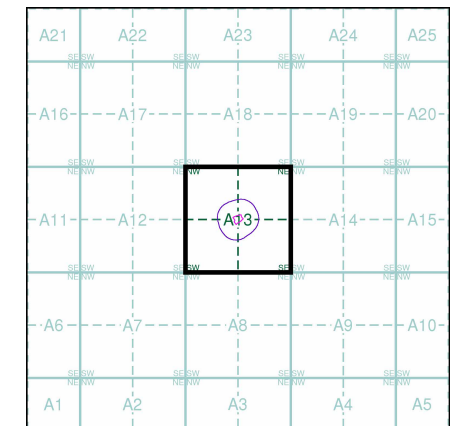
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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)

		SY0990	
		1986	
		1:2,500	
SY0889		SY0989	
1972		1972	
1:2,500		1:2,500	

Historical Map - Segment A13

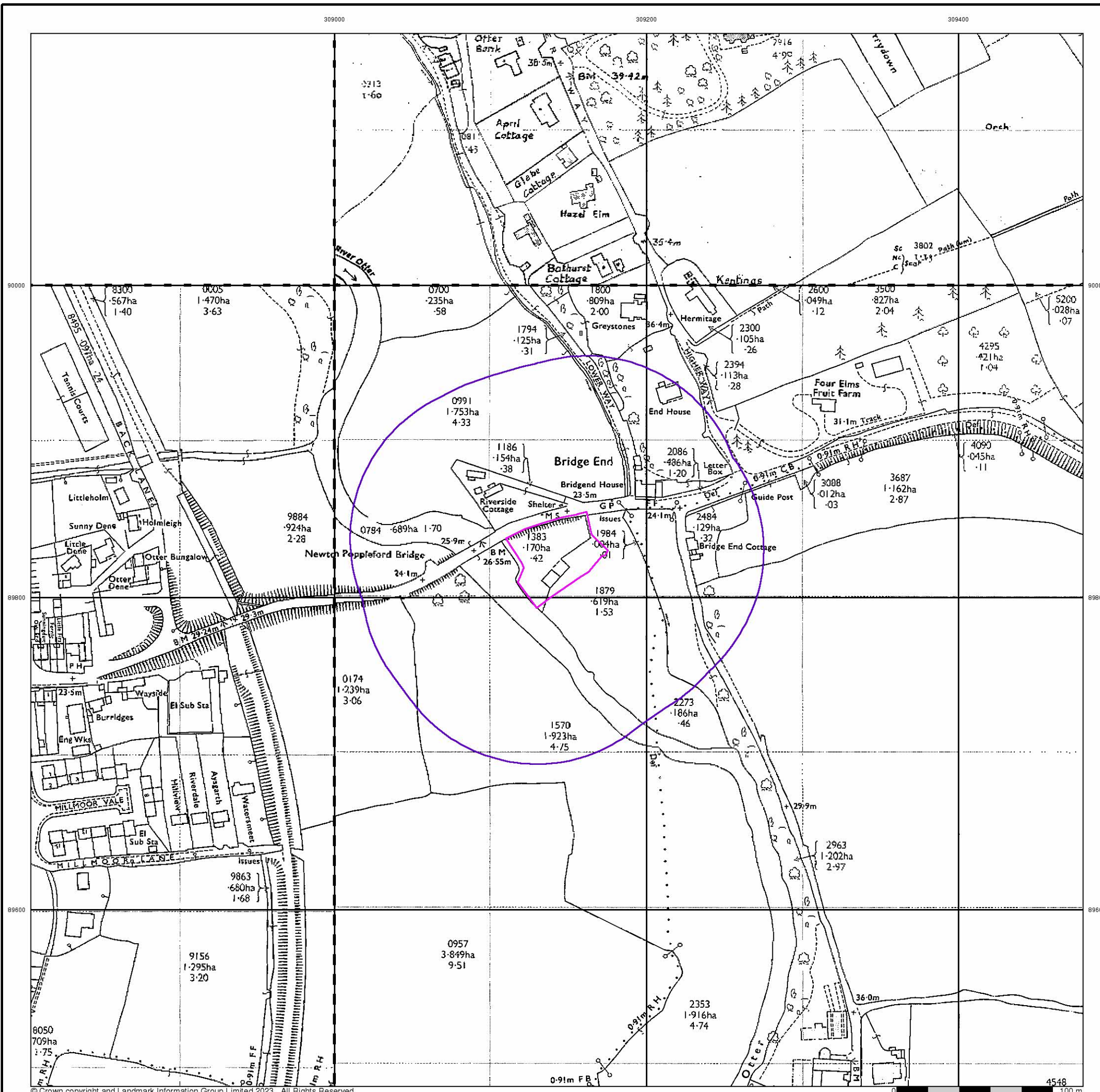


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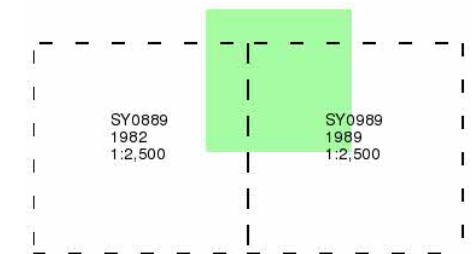
Additional SIMs

Published 1982 - 1989

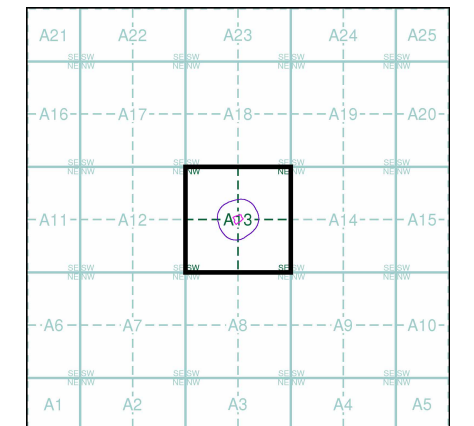
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The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information 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 A13

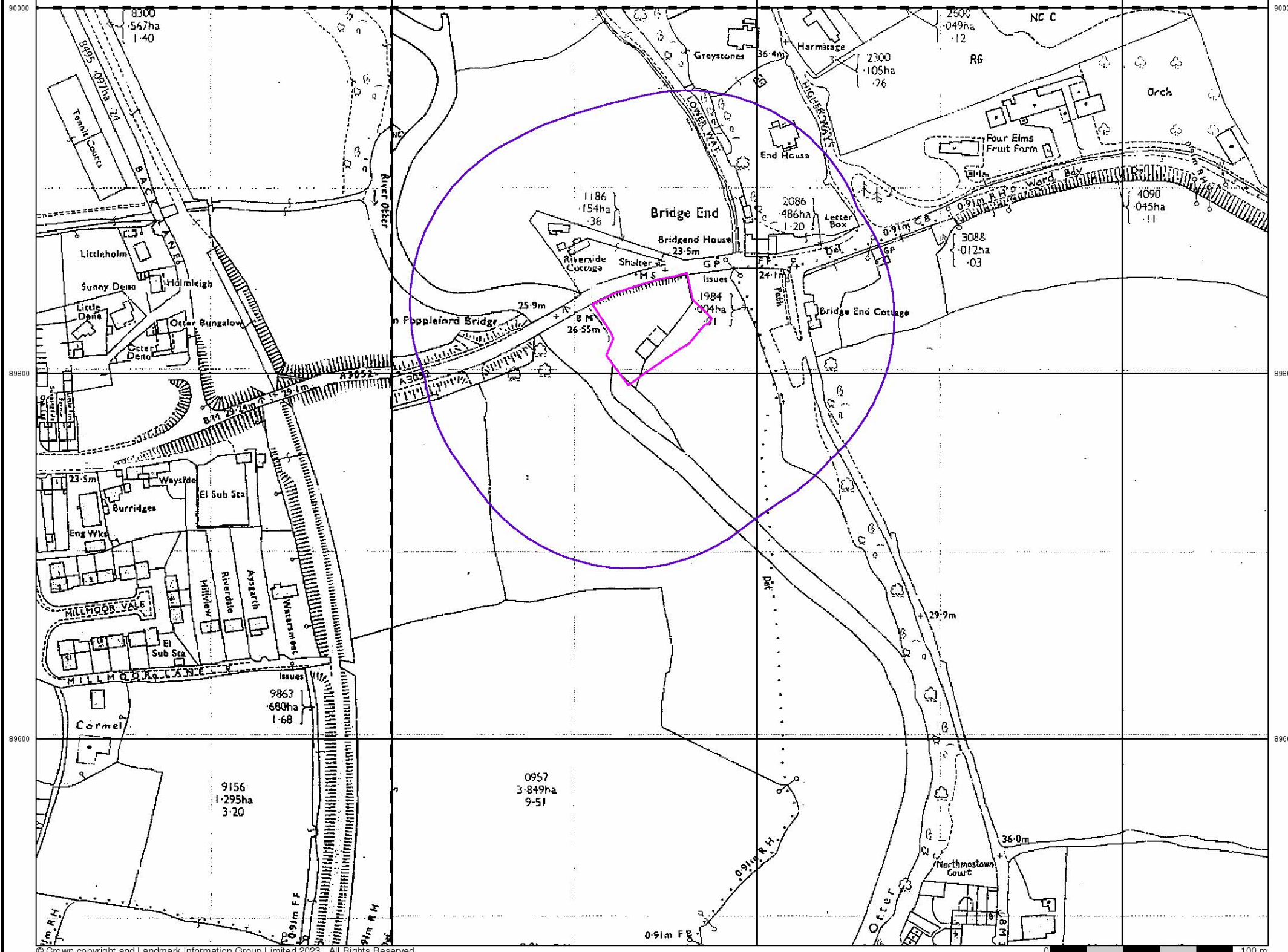


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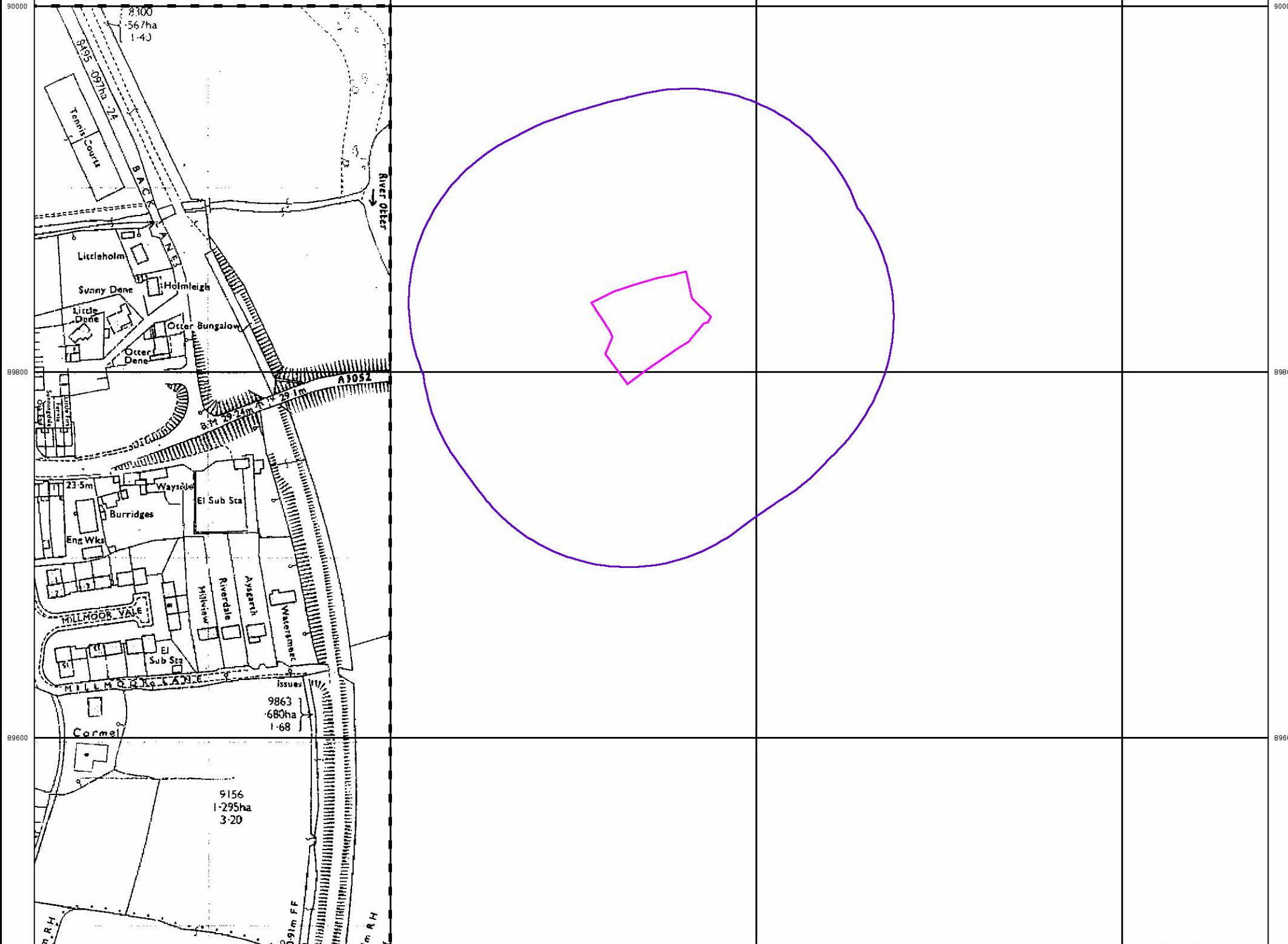
Site at 309160, 89840



309000

309200

309400



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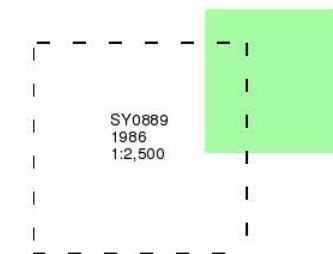
Additional SIMs

Published 1986

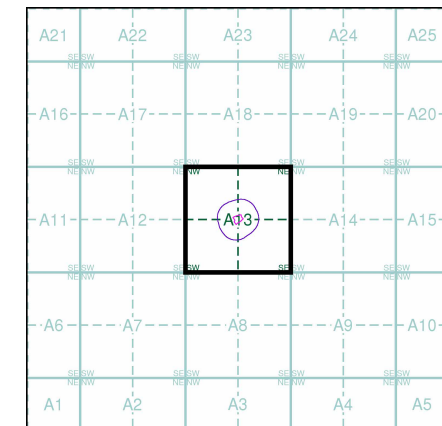
Source map scale - 1:2,500

The SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions 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 A13



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 100

Site Details

Site at 309160, 89840

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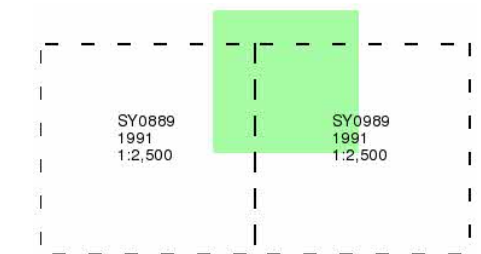
Ordnance Survey Plan

Published 1991

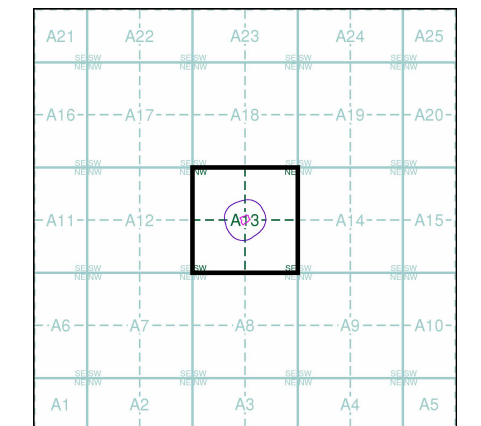
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13

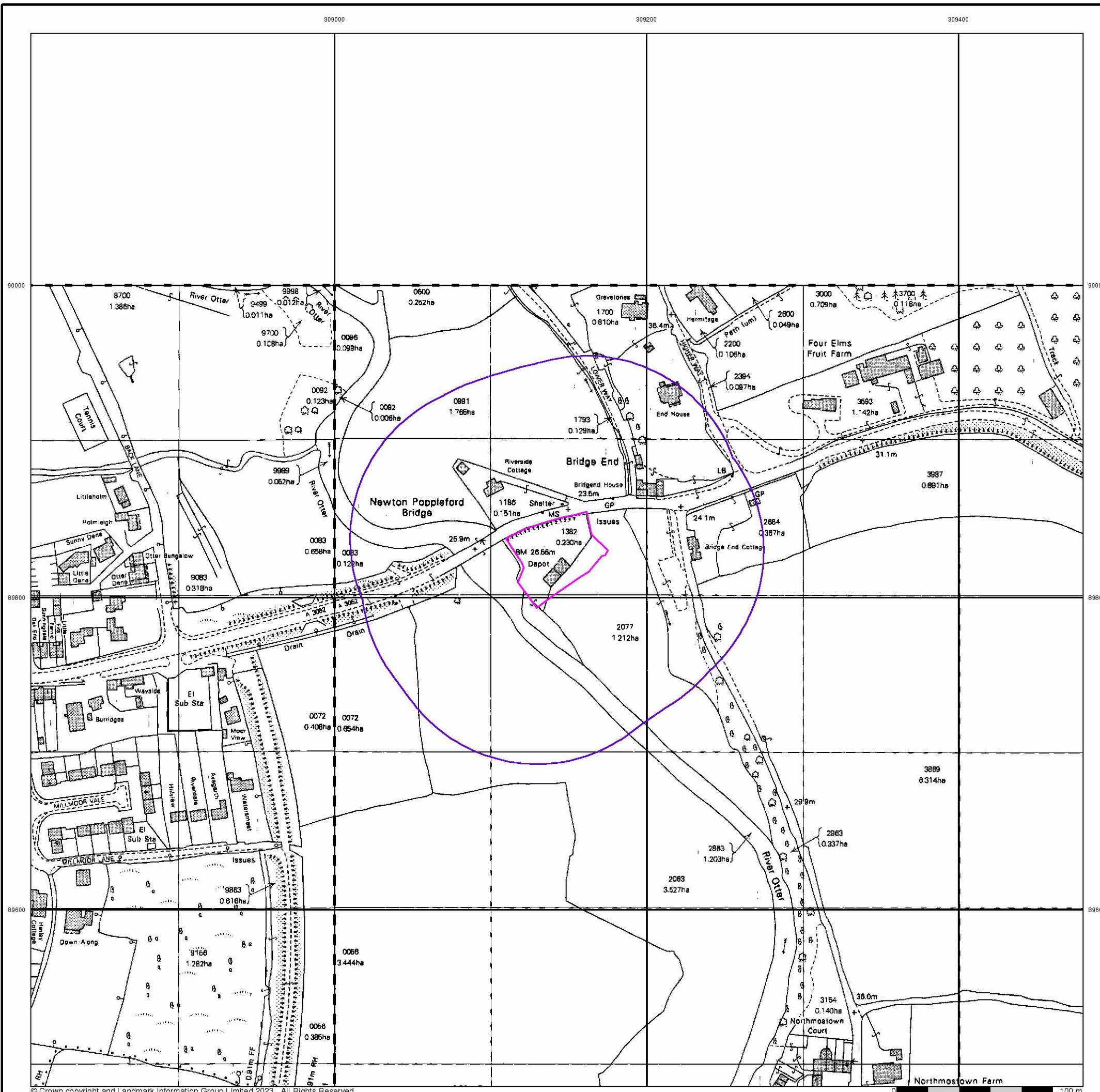


Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 100

Site Details

Site at 309160, 89840



Large-Scale National Grid Data

Published 1994

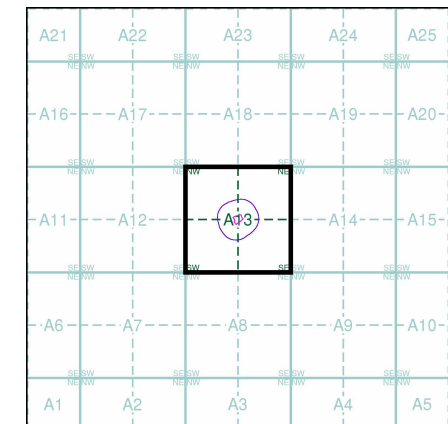
Source map scale - 1:2,500

'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)

SY0890 1994 12,500	SY0990 1994 12,500
SY0889 1994 12,500	SY0989 1994 12,500

Historical Map - Segment A13

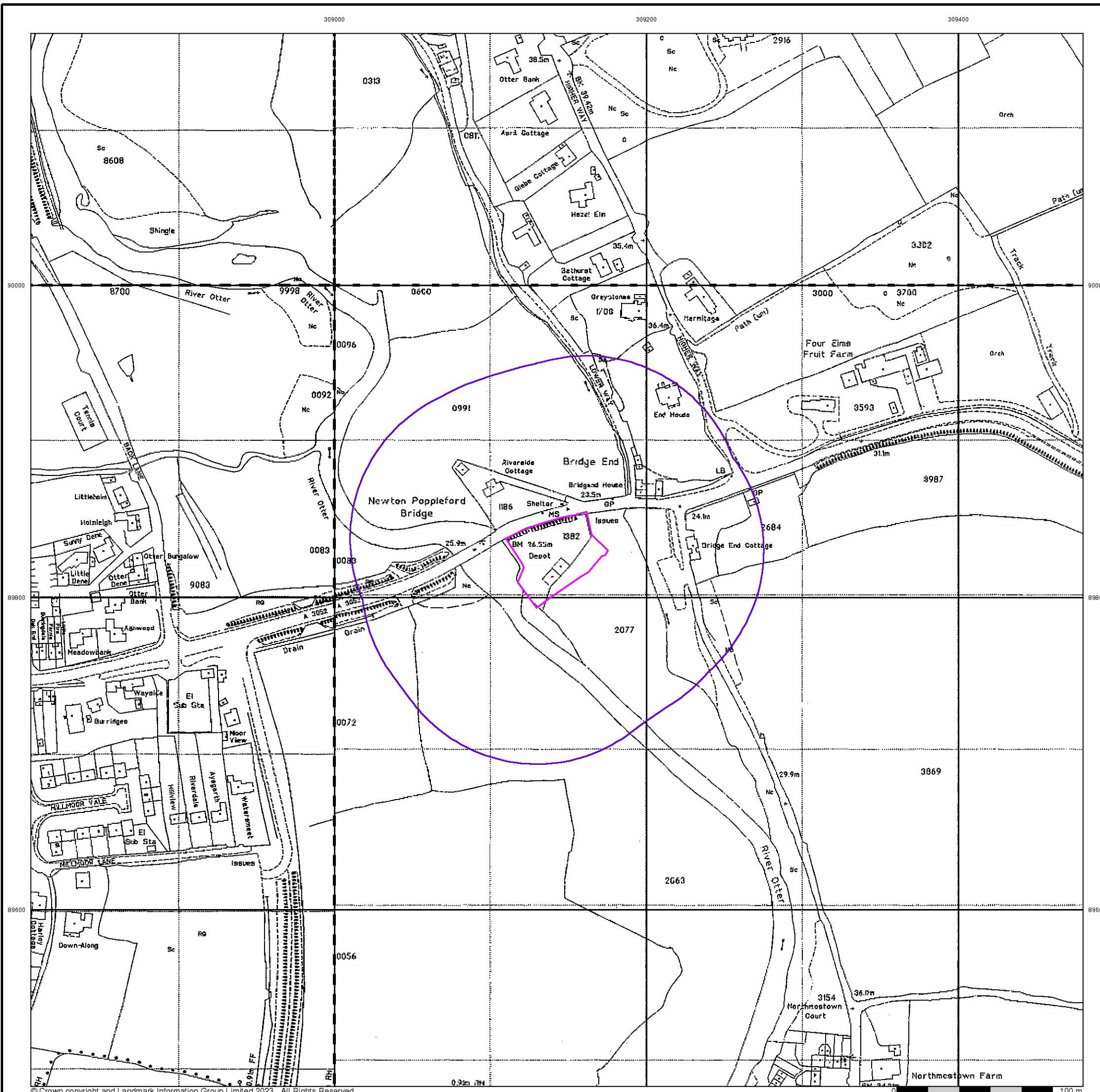


Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
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 Site Area (Ha): 0.23
 Search Buffer (m): 100

Site Details

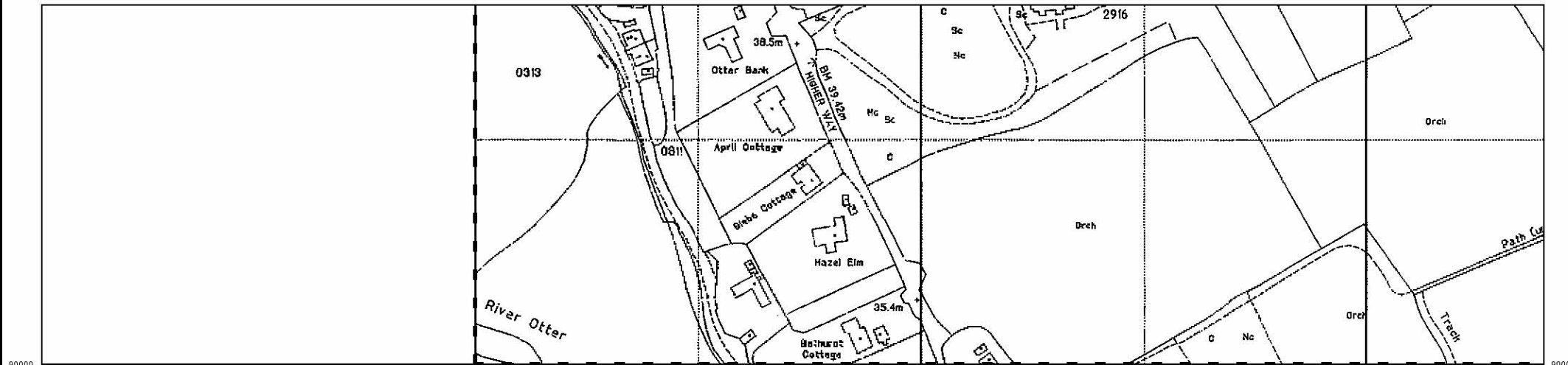
Site at 309160, 89840



309000

309200

309400



90000

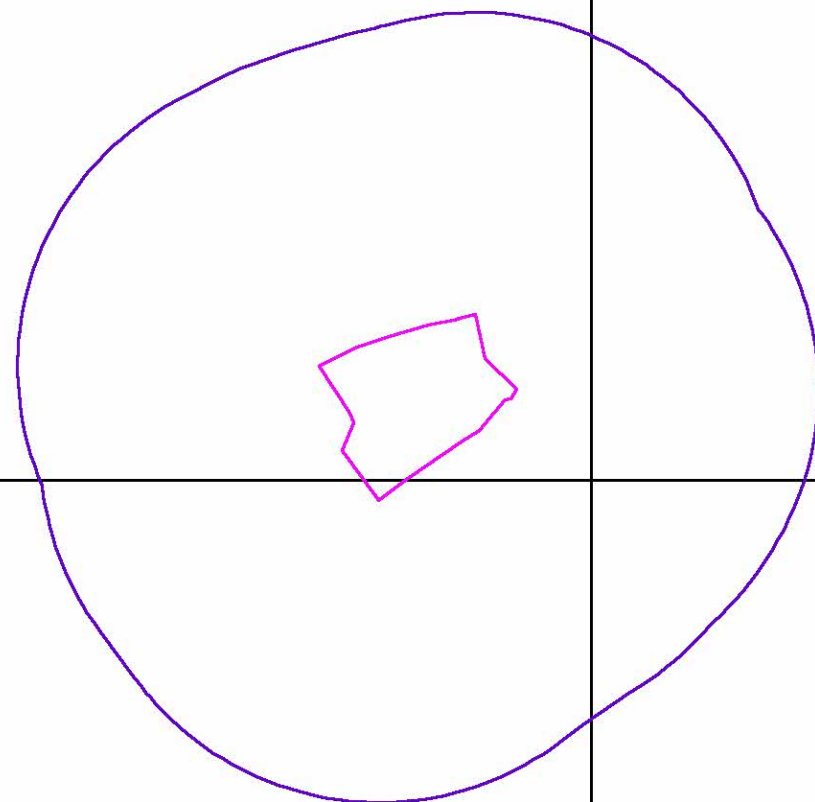
90000

89800

89800

89600

89600



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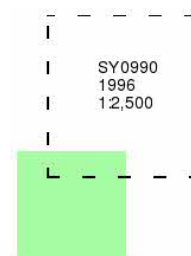
Large-Scale National Grid Data

Published 1996

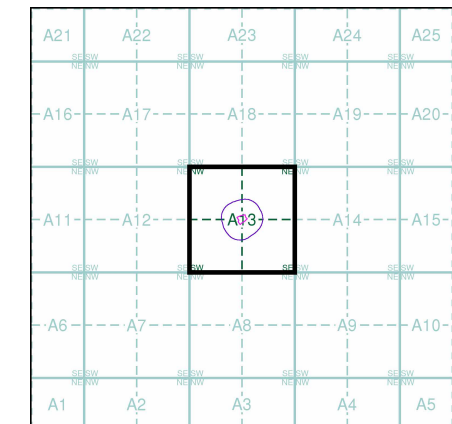
Source map scale - 1:2,500

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the 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)



Historical Map - Segment A13



Order Details

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Site Details

Site at 309160, 89840

309000

309200

309400

90000

90000

89800

89800

89600

89600



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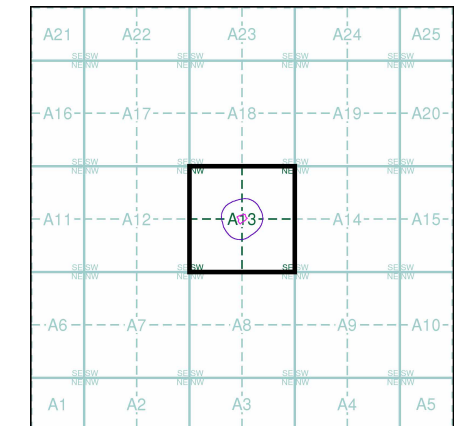
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Historical Aerial Photography

Published 1999

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

Historical Aerial Photography - Segment A13



Order Details

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Site Details

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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 (Fenced, Un-Fenced), **Minor Roads** (Fenced, Un-Fenced)
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**, **Coppice**
Bracken, **Heath**, **Rough Grassland**
Marsh, **Reeds**, **Saltings**
Building, **Glasshouse**
Sloping Masonry, **Pylon**, **Electricity Transmission Line**, **Pole**
Cutting, **Embankment**, **Standard Gauge Multiple Track**
Road Under, **Road Over**, **Level Crossing**, **Foot Bridge**, **Standard Gauge Single Track**
Siding, Tramway or Mineral Line, **Narrow Gauge**
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 (Shown only when not coincident with other boundaries)
Civil Parish (Shown alternately when coincidence of boundaries occurs)
BP, BS Boundary Post or Stone, **Pol Sta** Police Station
Ch Church, **PO** Post Office
CH Club House, **PC** Public Convenience
F E Sta Fire Engine Station, **PH** Public House
FB Foot Bridge, **SB** Signal Box
Fn Fountain, **Spr** Spring
GP Guide Post, **TCB** Telephone Call Box
MP Mile Post, **TCP** Telephone Call Post
MS Mile Stone, **W** Well

1:10,000 Raster Mapping

Gravel Pit, **Refuse tip or slag heap**
Rock, **Rock (scattered)**
Boulders, **Boulders (scattered)**
Shingle, **Mud**, **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**
MHW(S) Mean high water (springs), **MLW(S)** 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**

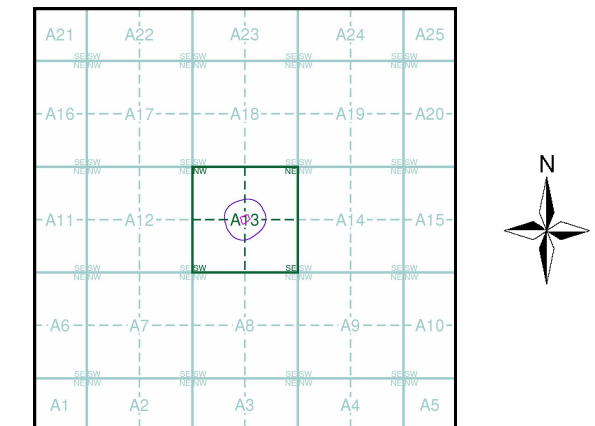
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Devon	1:10,560	1889	2
Devon	1:10,560	1906	3
Devon	1:10,560	1933	4
Devon	1:10,560	1938	5
Historical Aerial Photography	1:10,560	1945	6
Ordnance Survey Plan	1:10,000	1963	7
Ordnance Survey Plan	1:10,000	1969	8
Ordnance Survey Plan	1:10,000	1972	9
Ordnance Survey Plan	1:10,000	1986	10
Ordnance Survey Plan	1:10,000	1991	11
10K Raster Mapping	1:10,000	1999	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2023	14

Historical Map - Slice A



Order Details

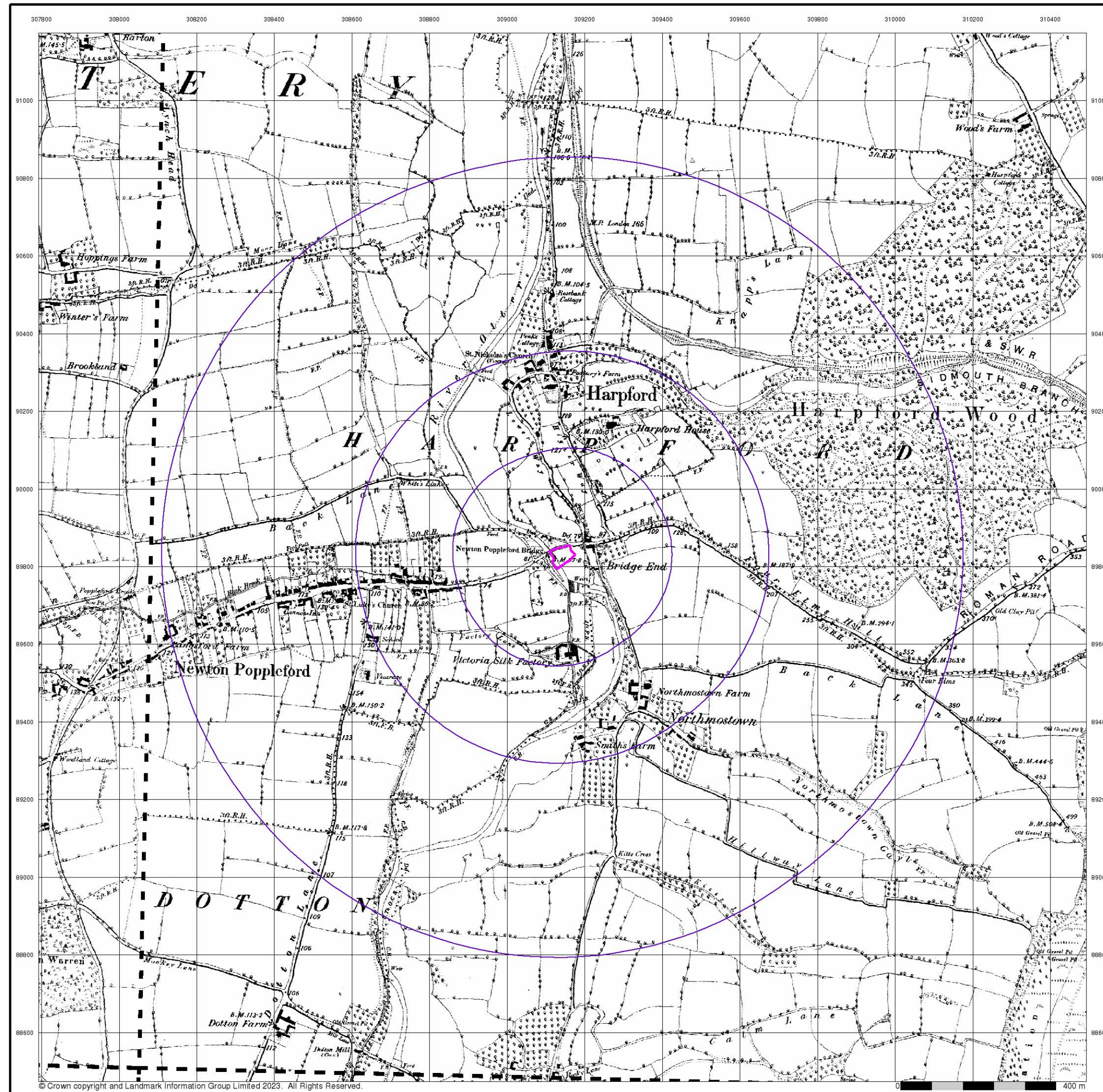
Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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Devon

Published 1889

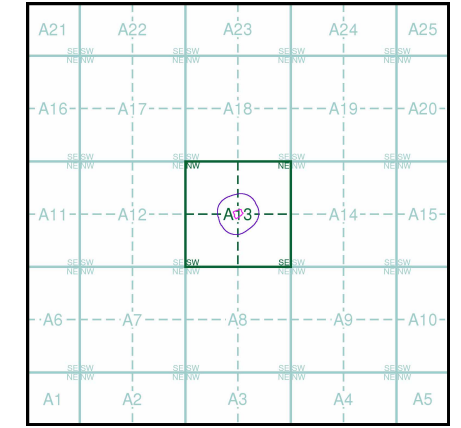
Source map scale - 1:10,560

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)

081SE 1889 1:10,560	082SW 1889 1:10,560
093NE 1889 1:10,560	094NW 1889 1:10,560

Historical Map - Slice A



Order Details

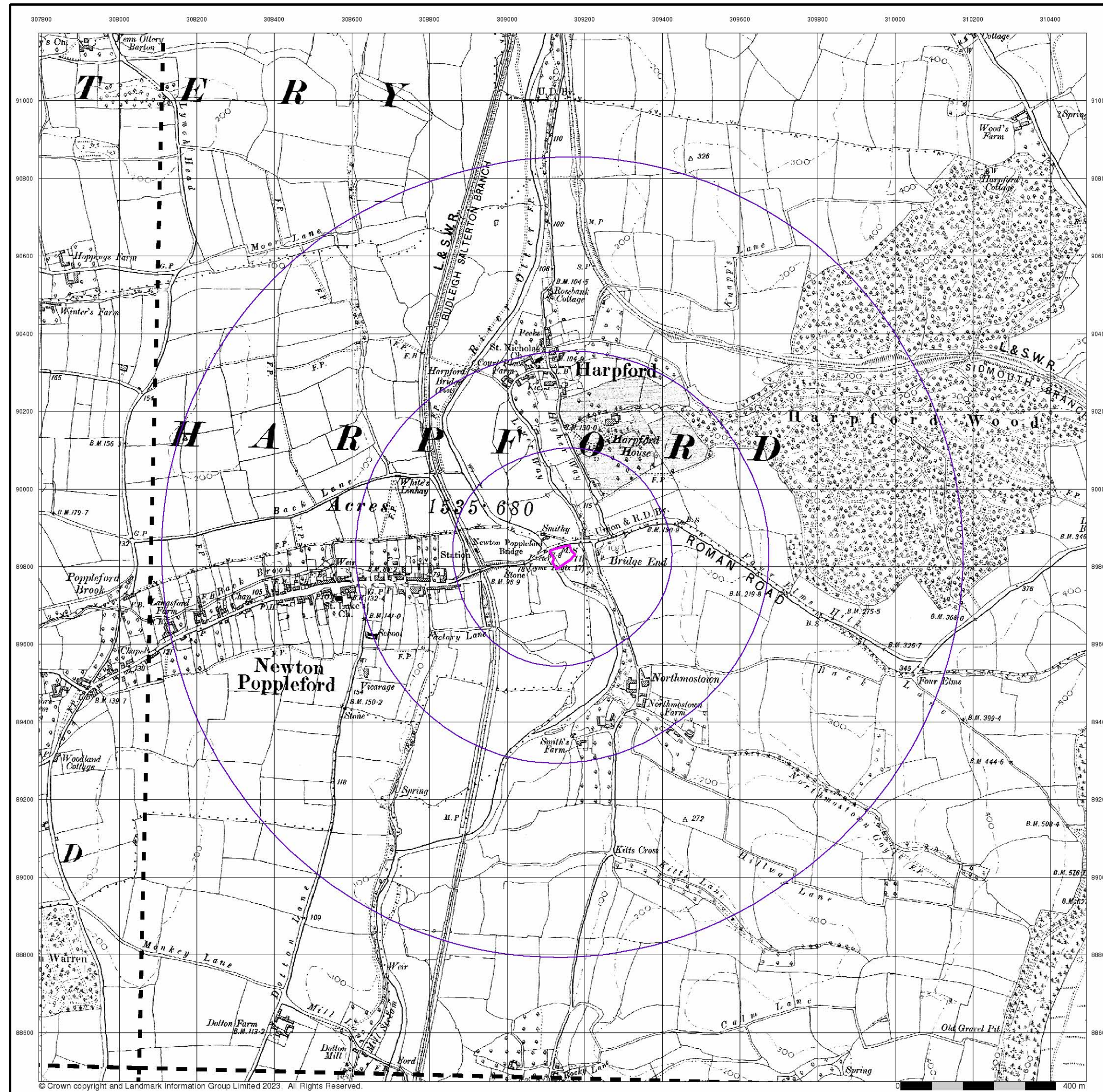
Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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Devon

Published 1906

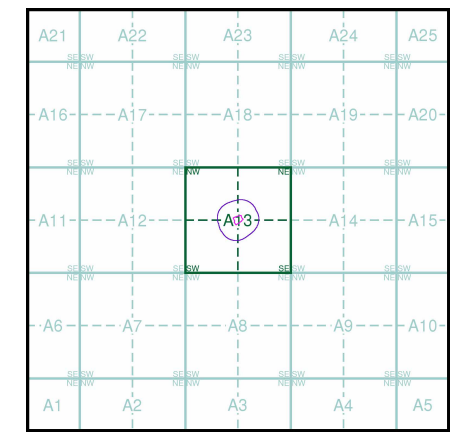
Source map scale - 1:10,560

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)

081SE 1906 1:10,560	082SW 1906 1:10,560
093NE 1906 1:10,560	094NW 1906 1:10,560

Historical Map - Slice A



Order Details

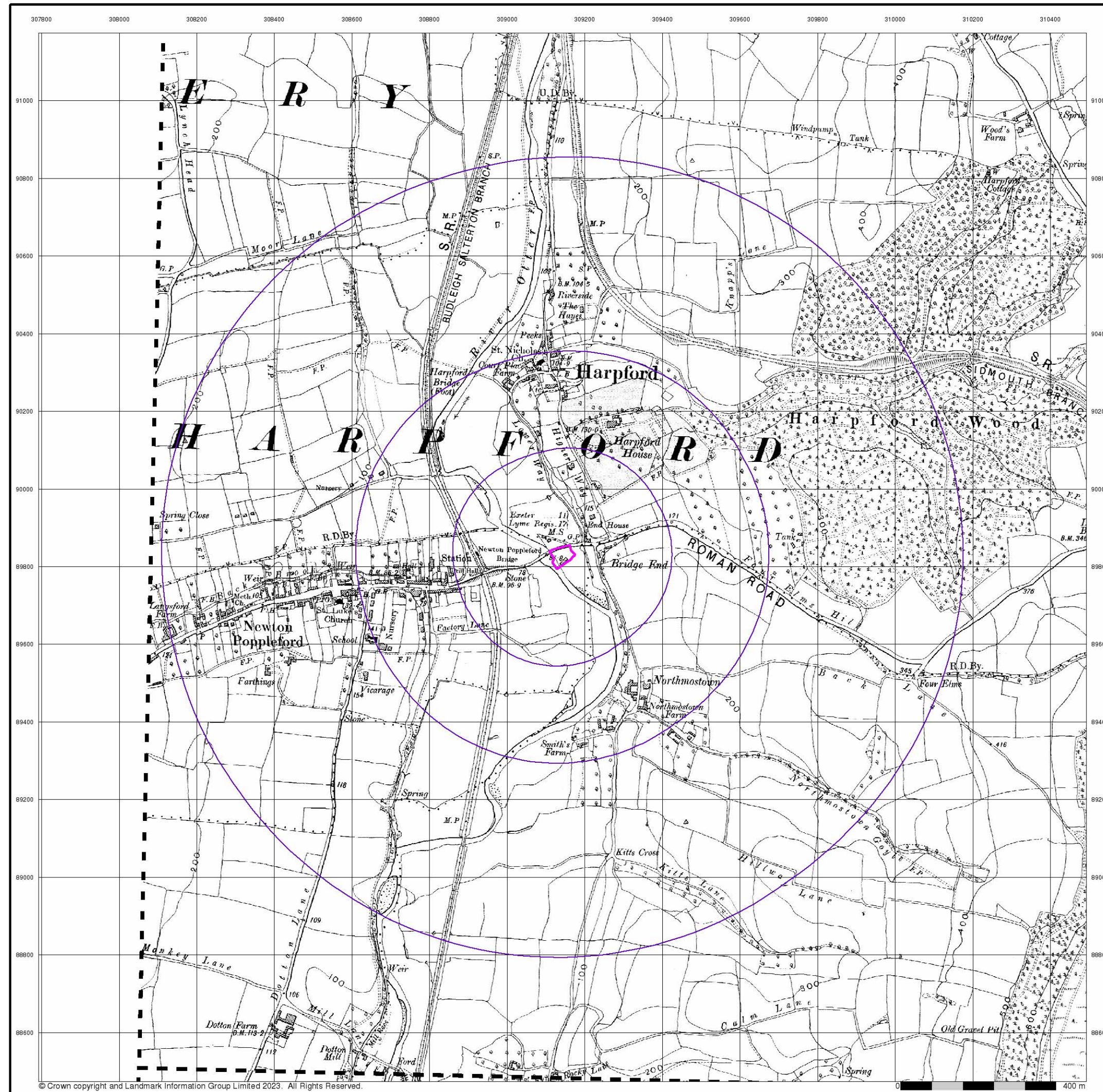
Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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Devon

Published 1933

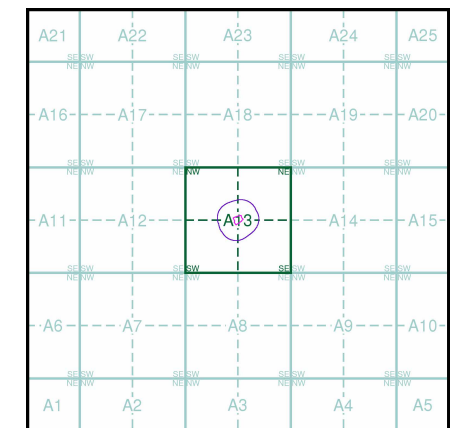
Source map scale - 1:10,560

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

082SW	1933	1:10,560
094NW	1933	1:10,560

Historical Map - Slice A

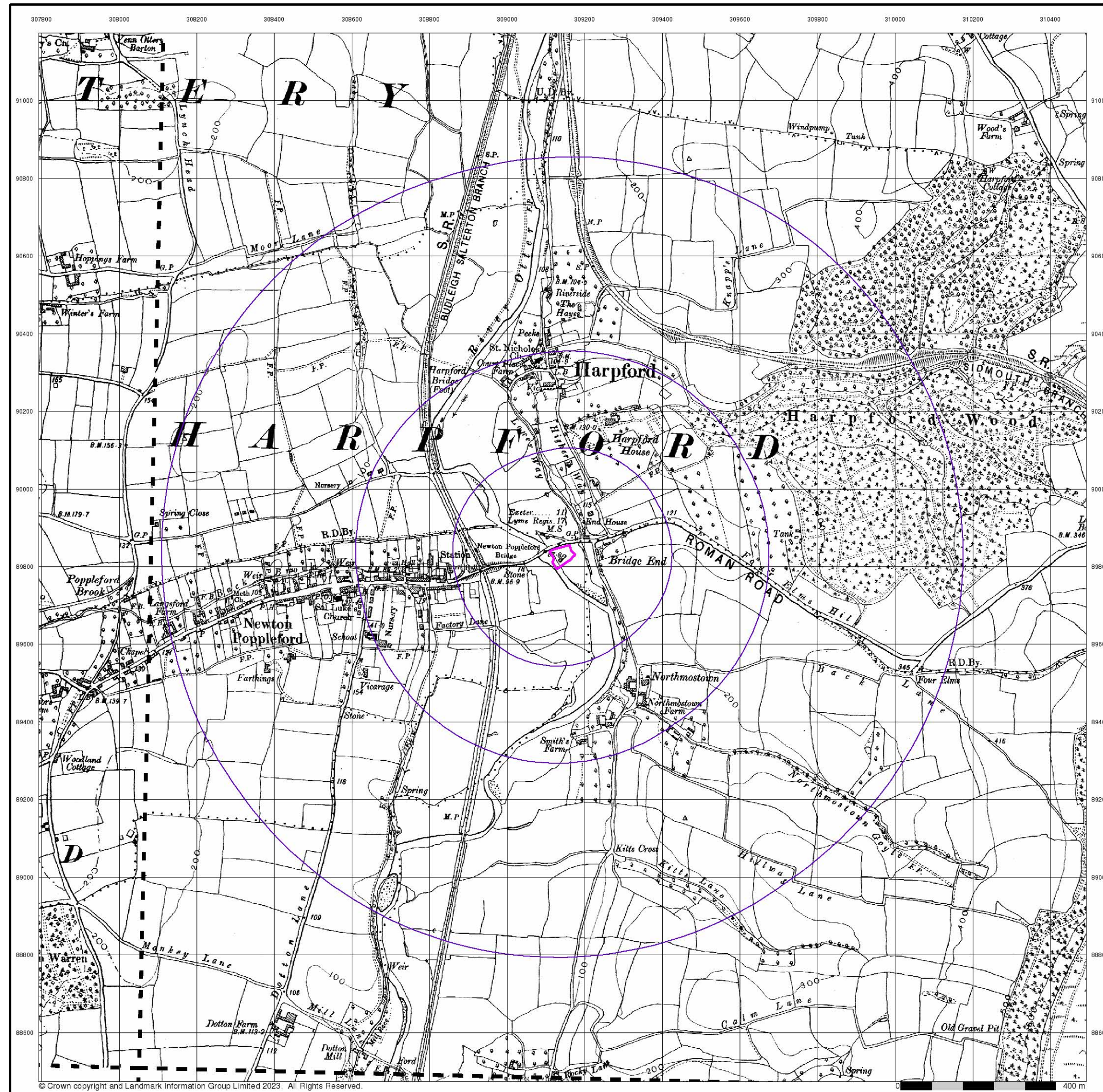


Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
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Site Details

Site at 309160, 89840



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Devon

Published 1938

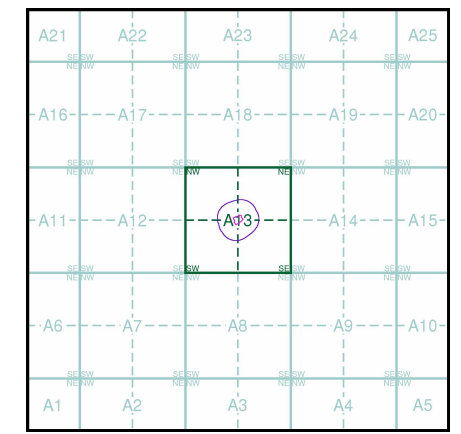
Source map scale - 1:10,560

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)

081SE 1938 1:10,560	082SW 1938 1:10,560
	094NW 1938 1:10,560

Historical Map - Slice A



Order Details

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Site Details

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Historical Aerial Photography

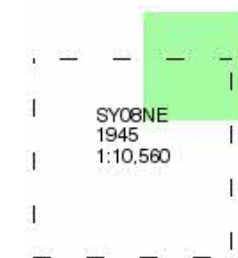
Published 1945

Source map scale - 1:10,560

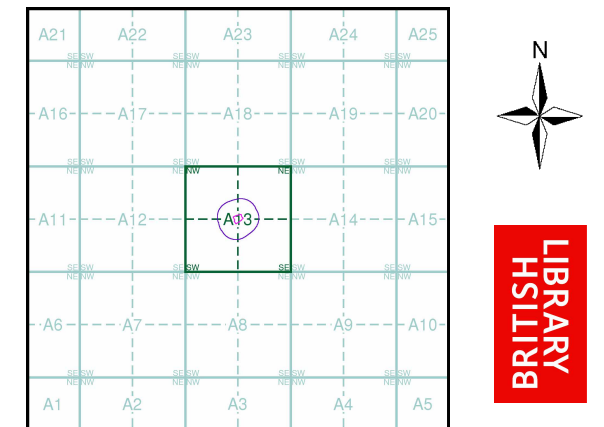
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A

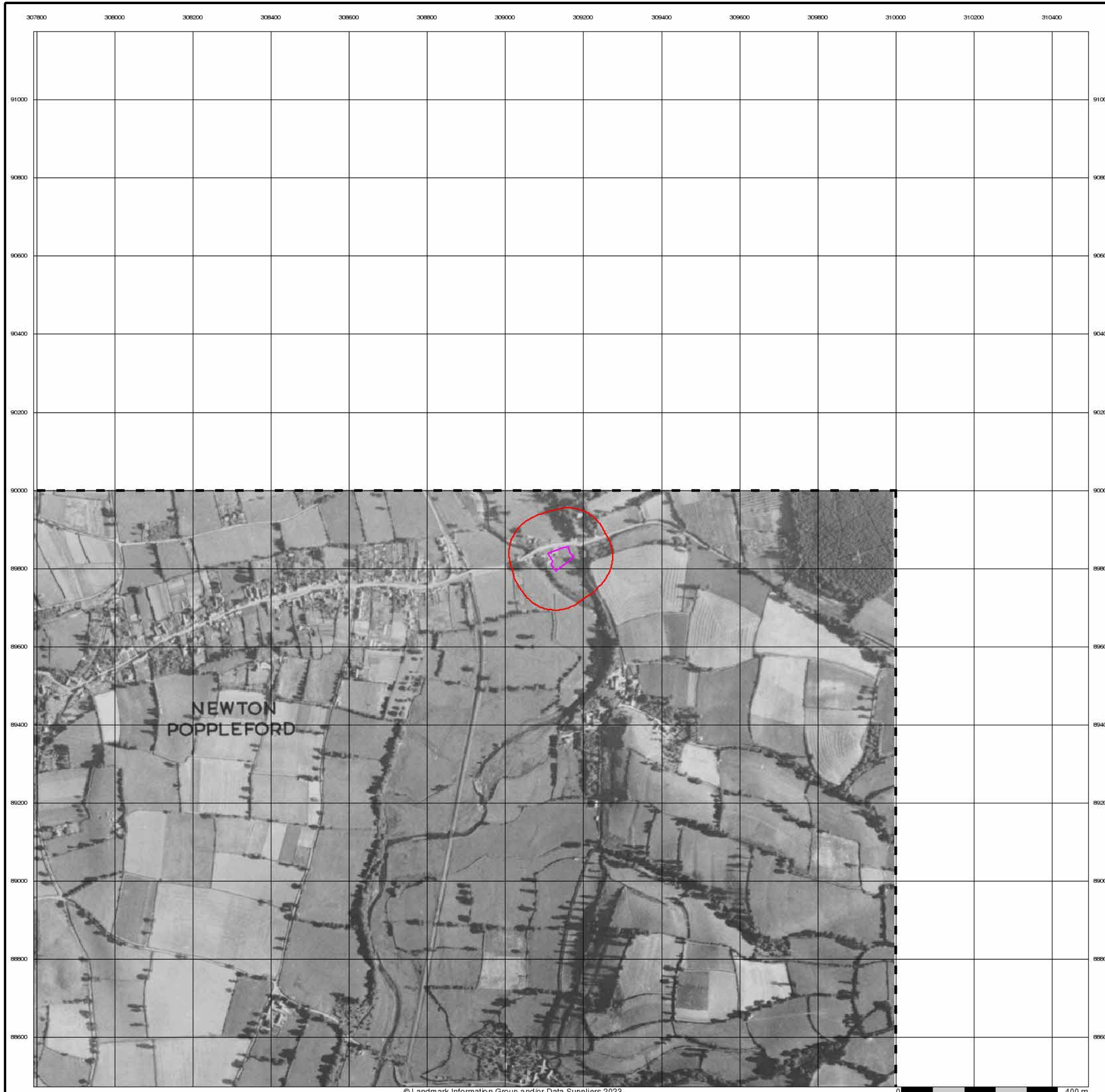


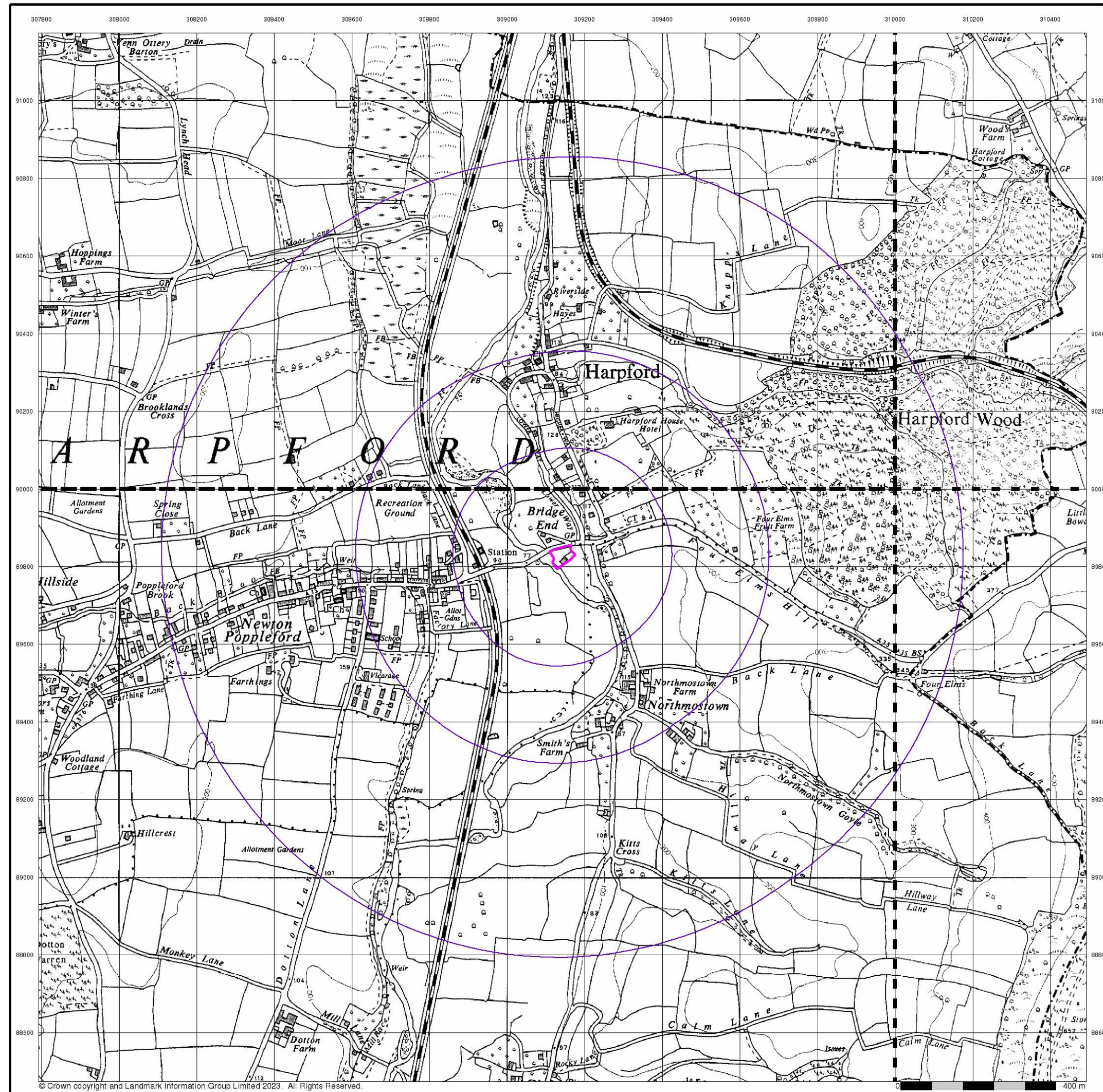
Order Details

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Slice: A
Site Area (Ha): 0.23
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1963

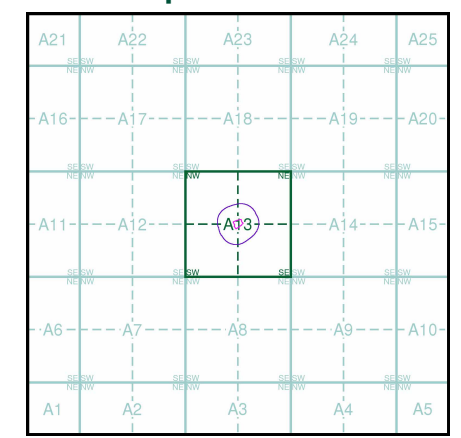
Source map scale - 1:10,000

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)

SY09SE	SY19SW
1963	1963
1:10,560	1:10,560
SY08NE	SY18NW
1963	1963
1:10,560	1:10,560

Historical Map - Slice A



Order Details

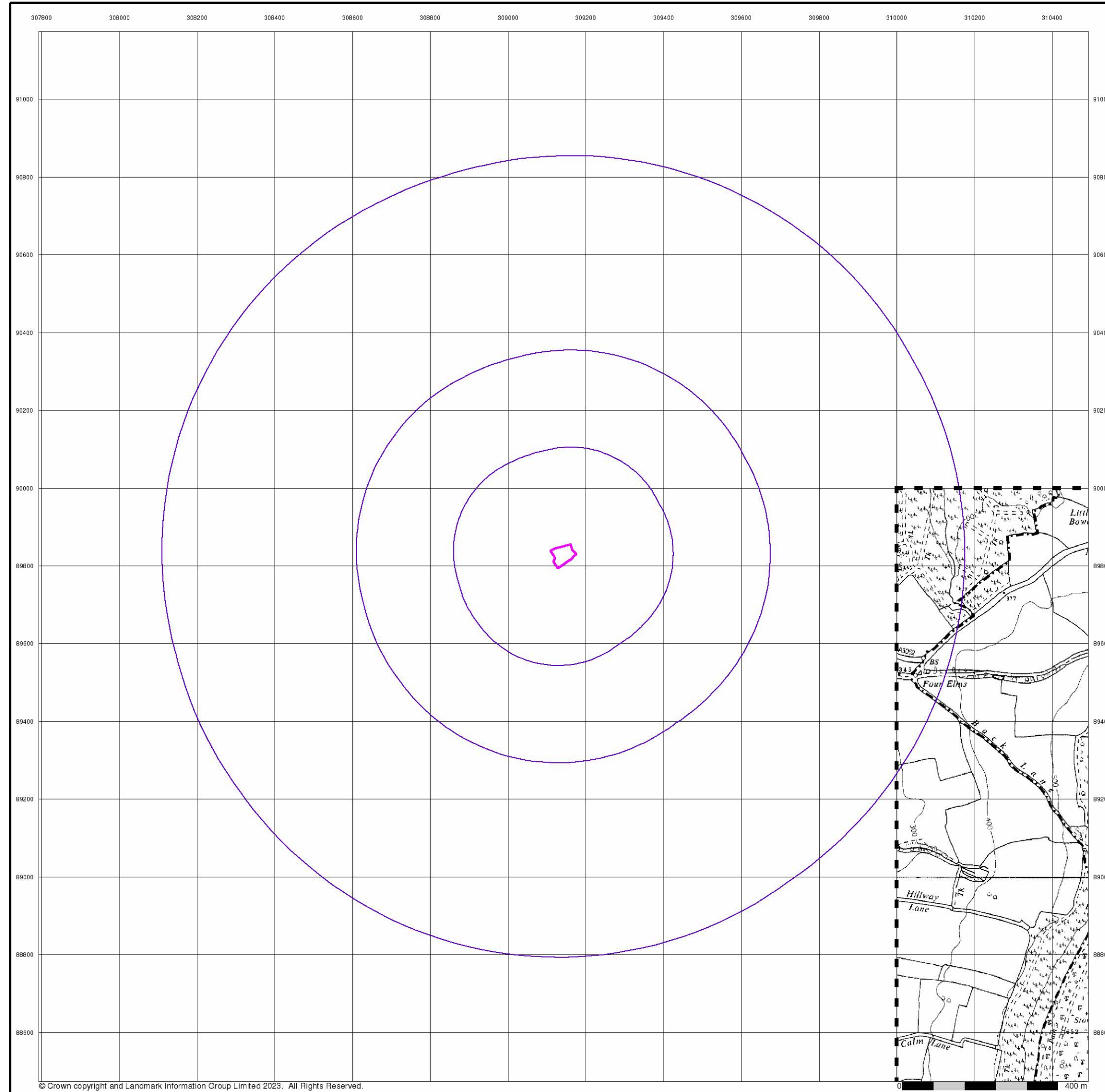
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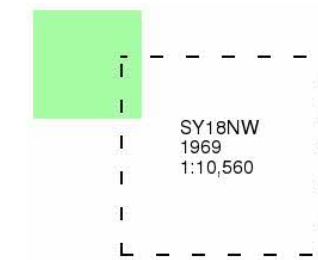
Ordnance Survey Plan

Published 1969

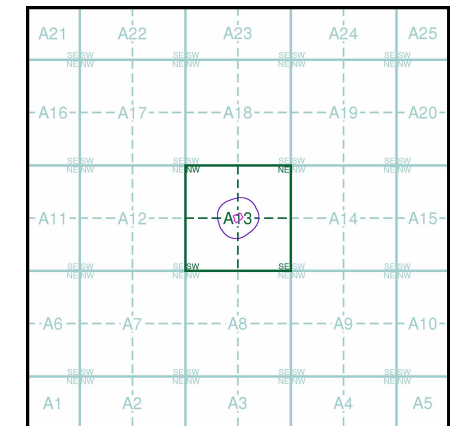
Source map scale - 1:10,000

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

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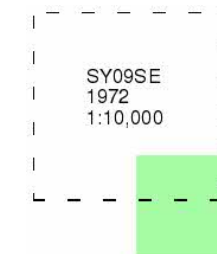
Ordnance Survey Plan

Published 1972

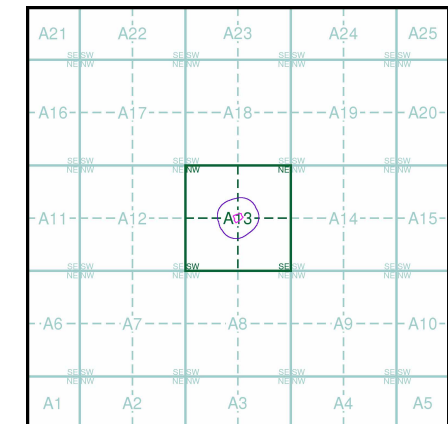
Source map scale - 1:10,000

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

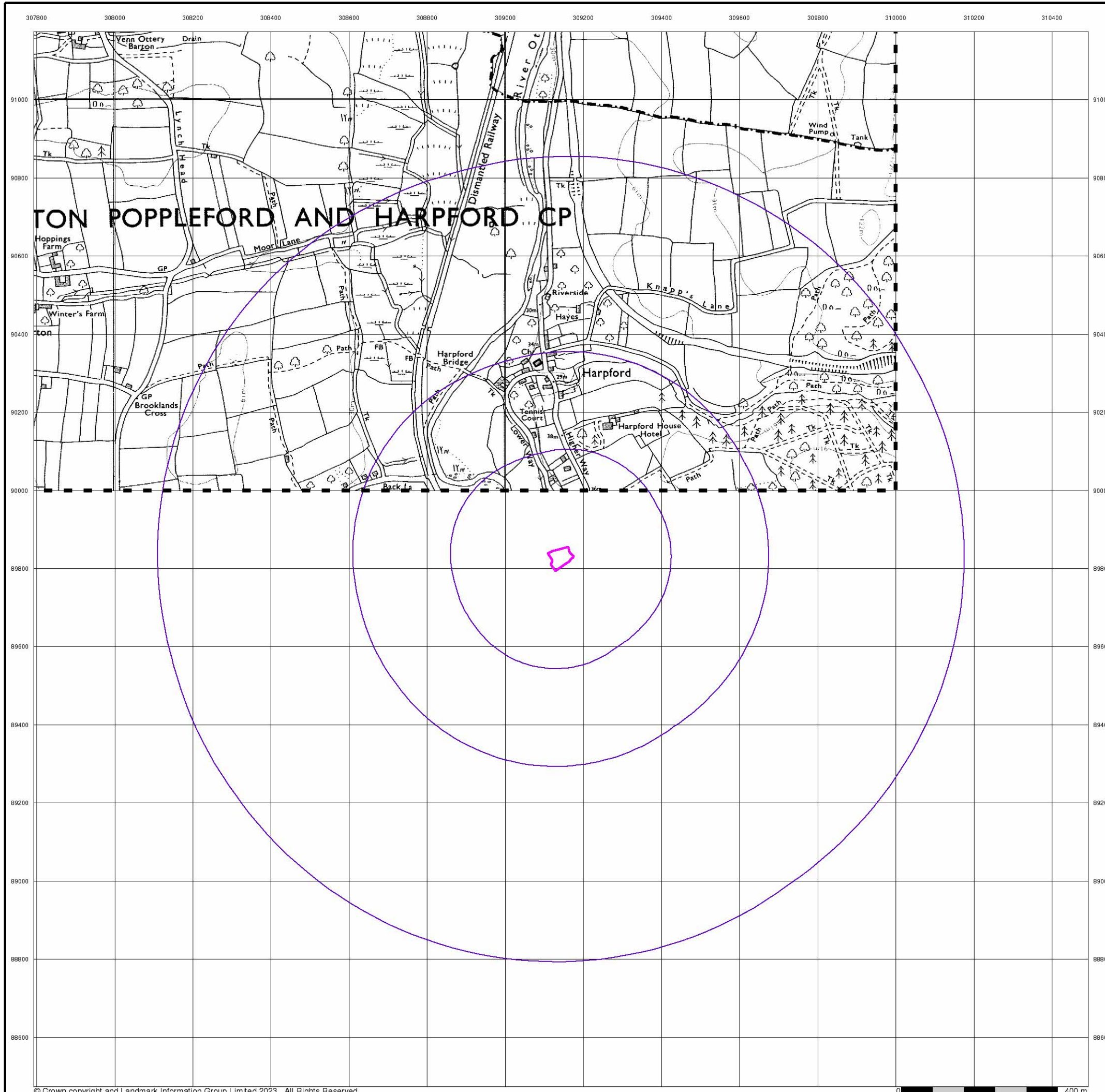


Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840



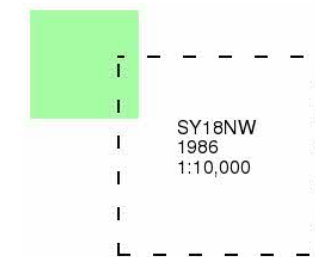
Ordnance Survey Plan

Published 1986

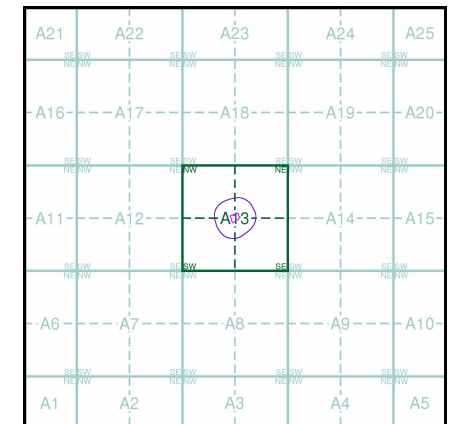
Source map scale - 1:10,000

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

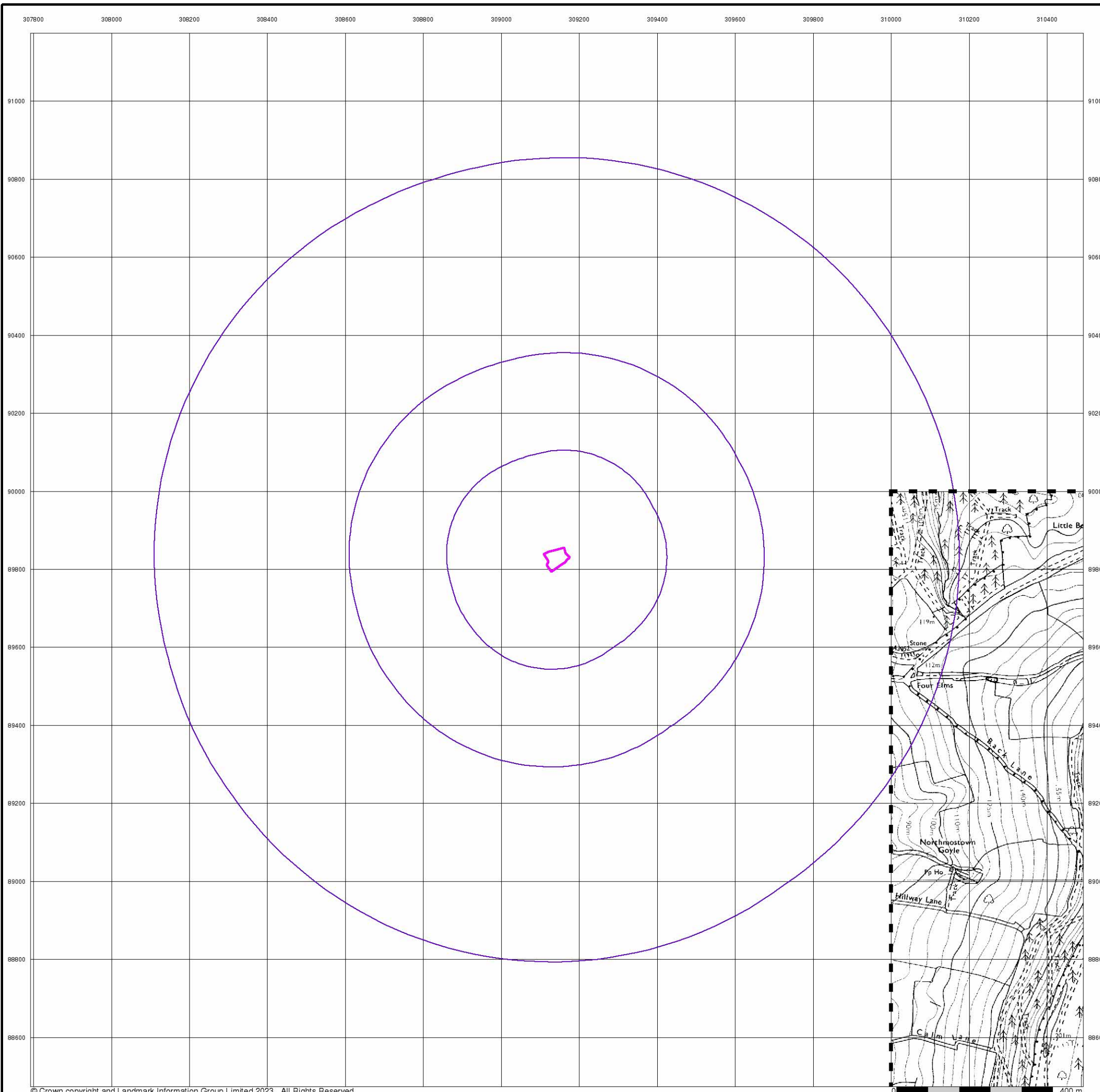


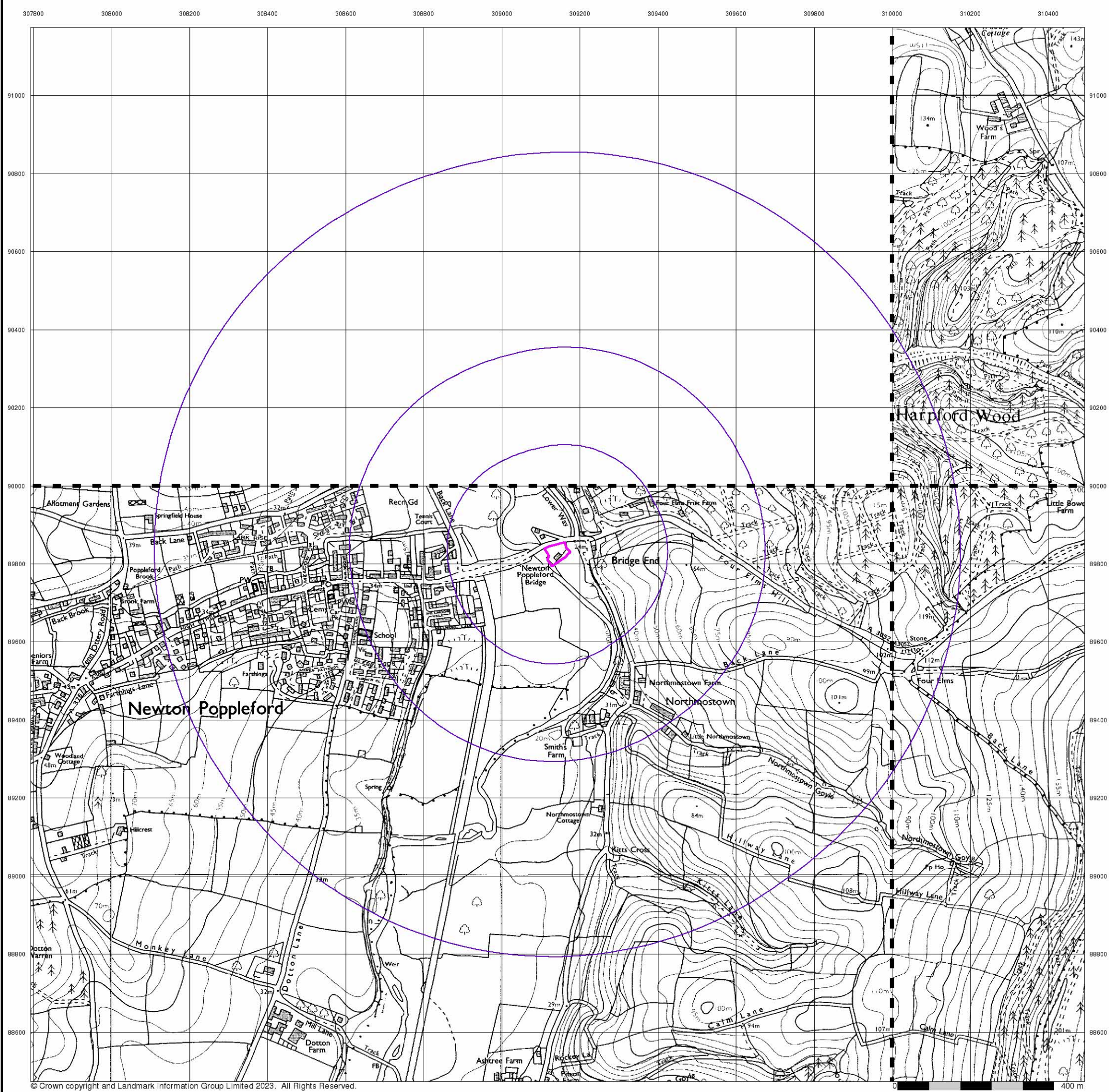
Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840





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LANDMARK INFORMATION GROUP®

Ordnance Survey Plan

Published 1991

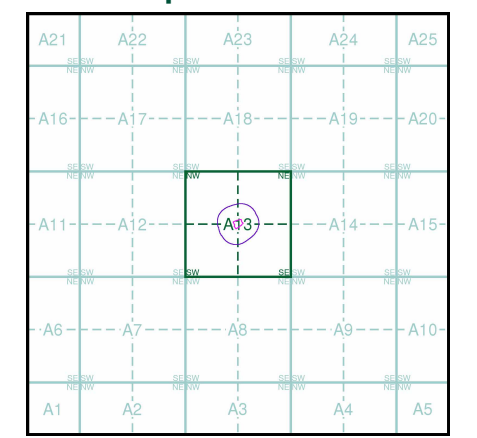
Source map scale - 1:10,000

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)

	SY19SW	
	1991	
	1:10,000	
SY08NE		SY18NW
1991		1991
1:10,000		1:10,000

Historical Map - Slice A



Order Details

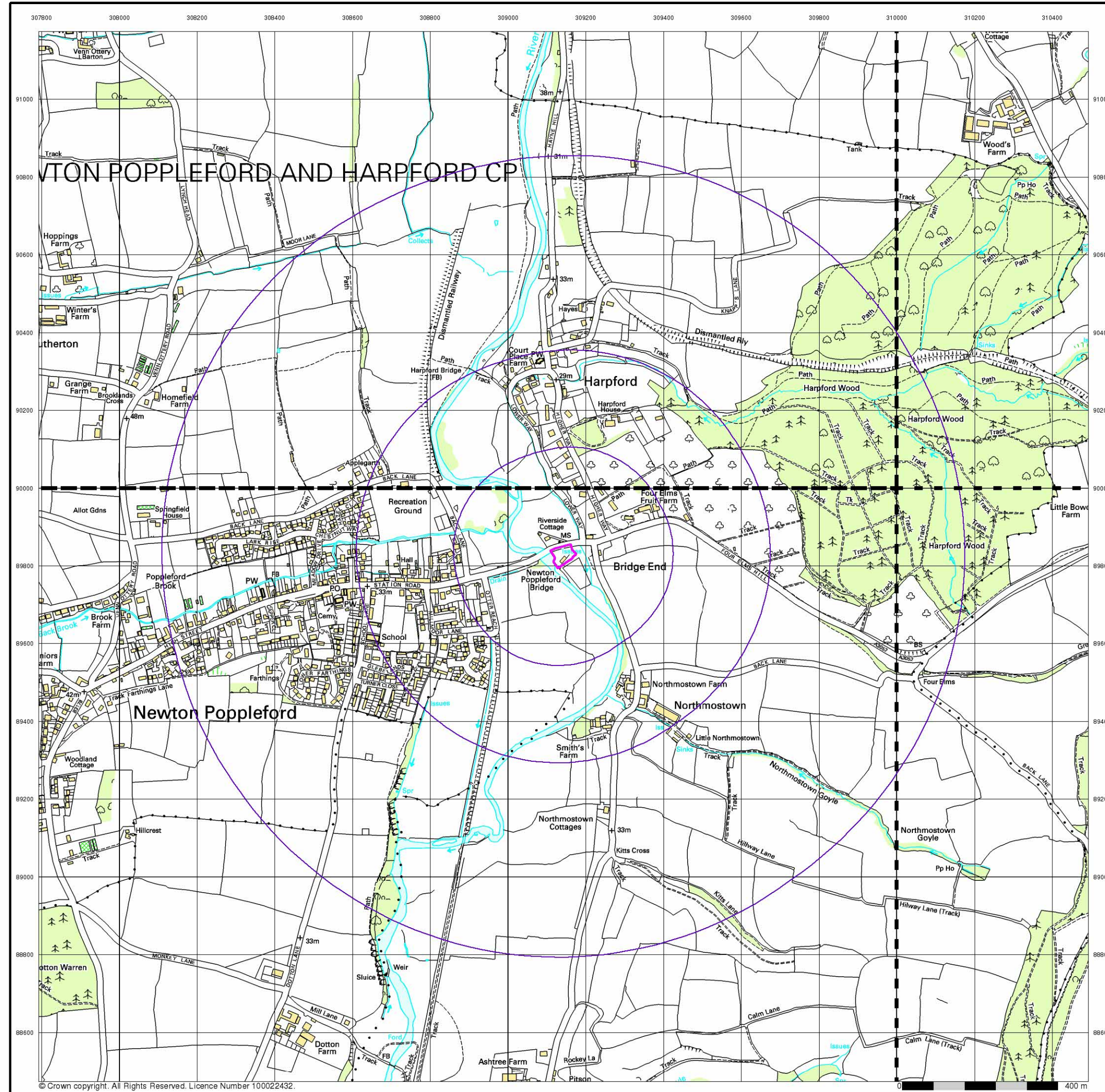
Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

Landmark
 INFORMATION GROUP

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



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10k Raster Mapping

Published 1999

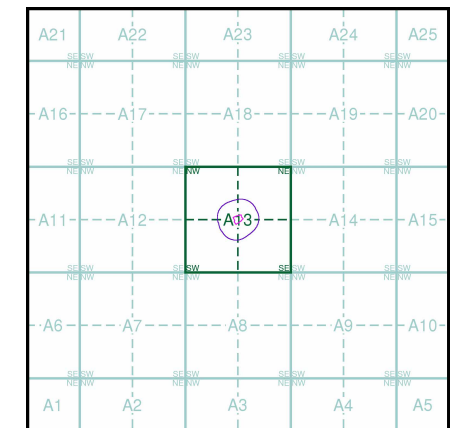
Source map scale - 1:10,000

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)

SY09SE	SY19SW
1999	1999
1:10,000	1:10,000
SY08NE	SY18NW
1999	1999
1:10,000	1:10,000

Historical Map - Slice A



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840

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 INFORMATION GROUP

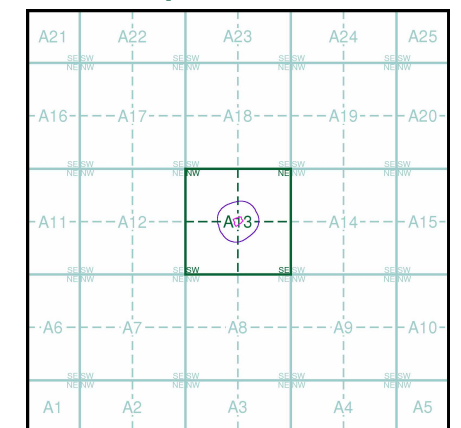
Tel: 0844 844 9952
 Fax: 0844 844 9951
 Web: www.envirocheck.co.uk

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)

SY09SE	SY19SW
2006	2006
1:10,000	1:10,000
SY08NE	SY18NW
2006	2006
1:10,000	1:10,000

Historical Map - Slice A

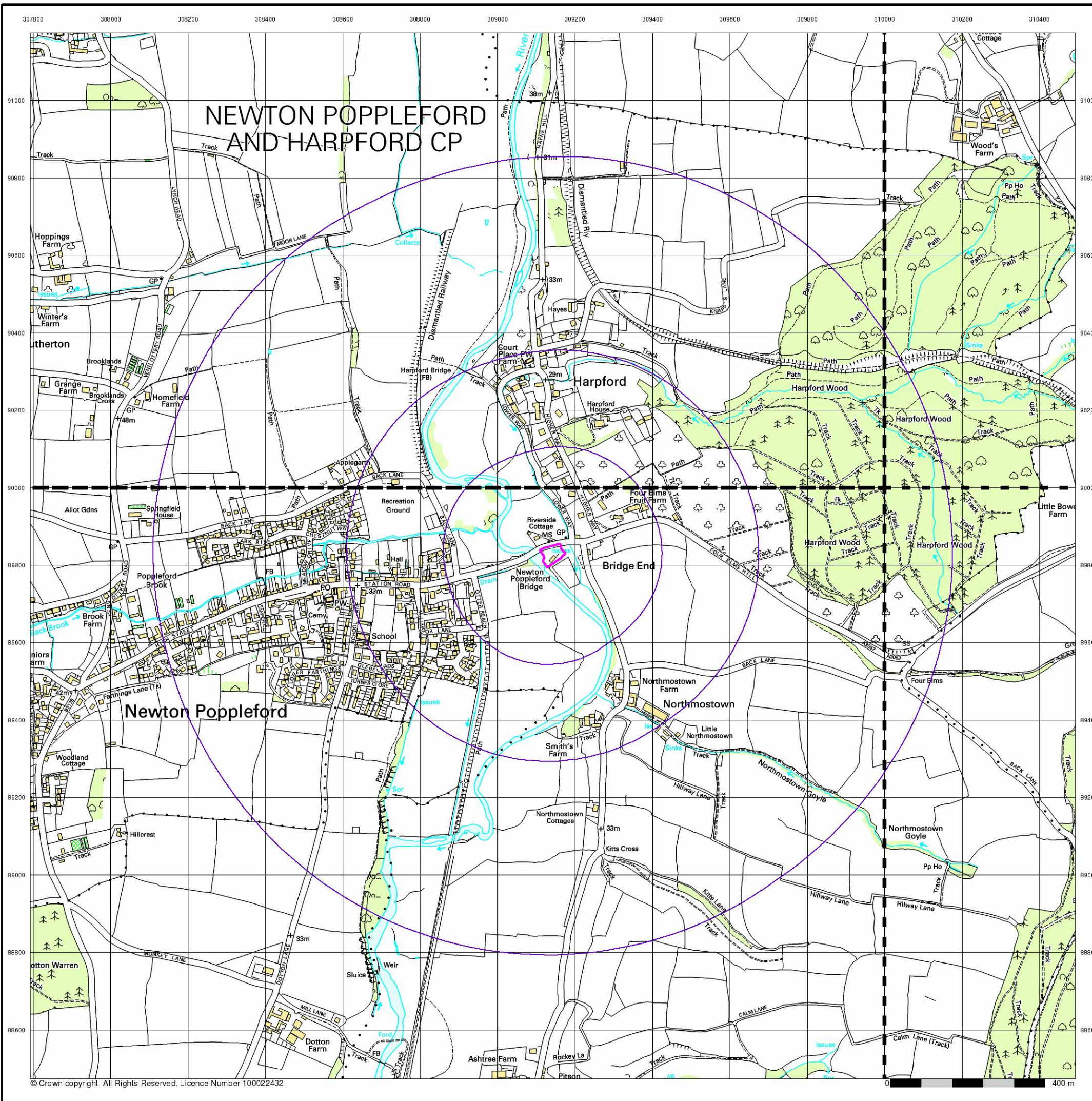


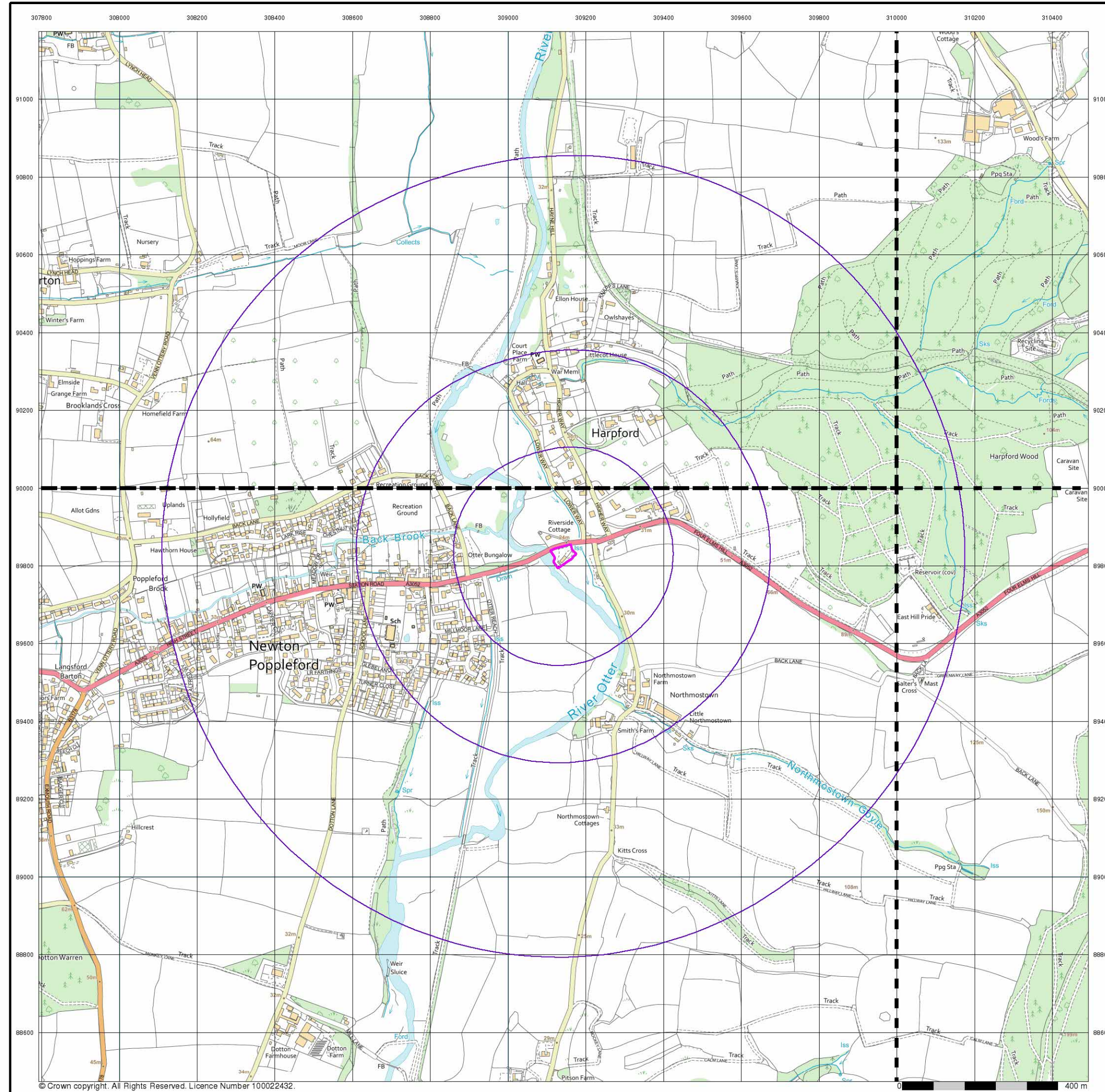
Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

Site at 309160, 89840





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VectorMap Local

Published 2023

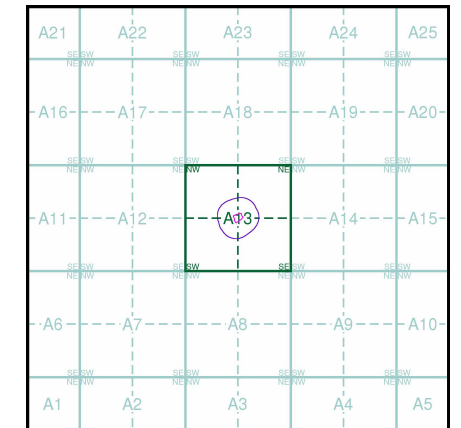
Source map scale - 1:10,000

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

Map Name(s) and Date(s)

SY09SE 2023 Variable	SY19SW 2023 Variable
SY08NE 2023 Variable	SY18NW 2023 Variable

Historical Map - Slice A



Order Details

Order Number: 316264042_1_1
 Customer Ref: HCE1140
 National Grid Reference: 309140, 89830
 Slice: A
 Site Area (Ha): 0.23
 Search Buffer (m): 1000

Site Details

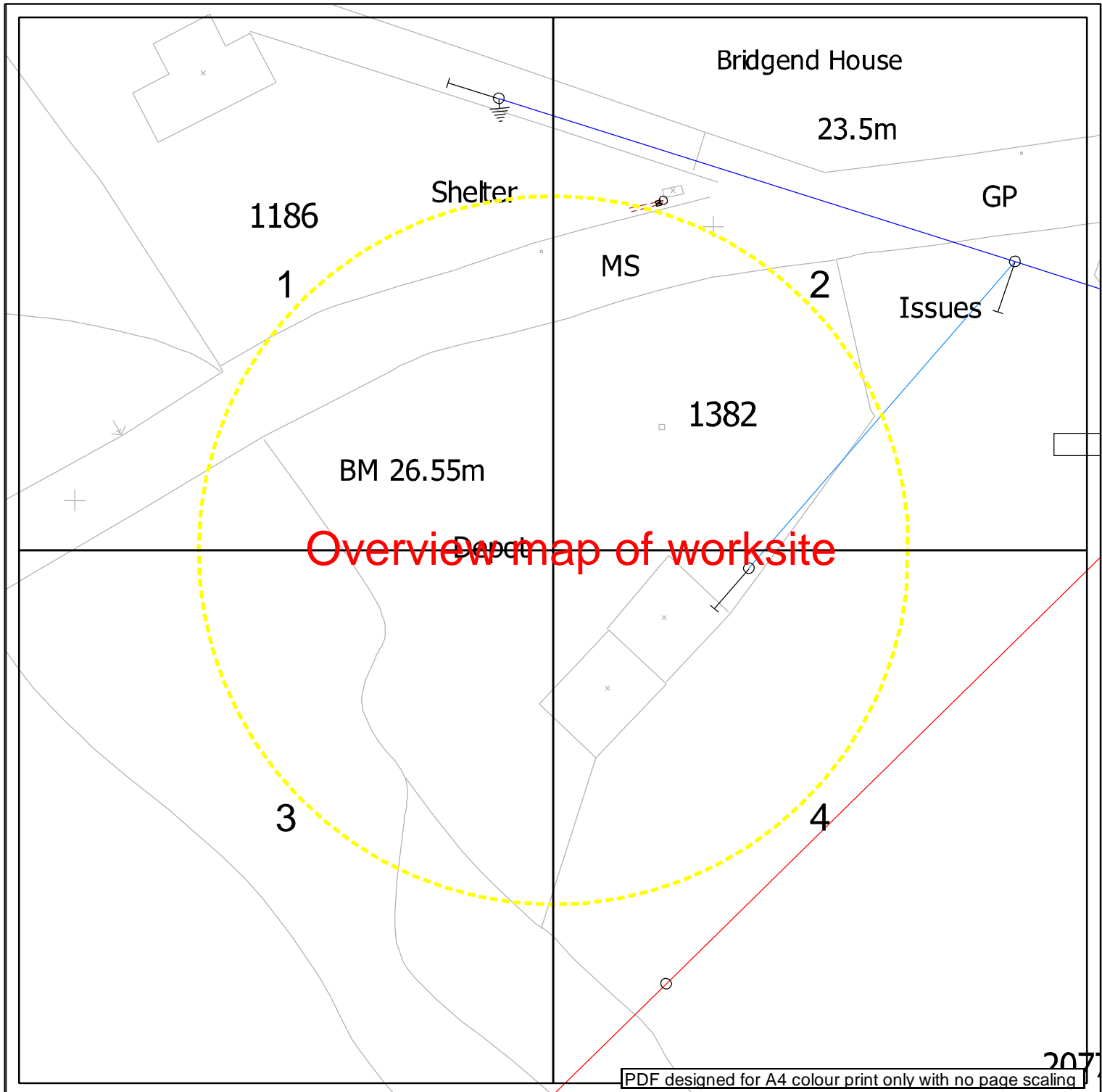
Site at 309160, 89840

Landmark
 INFORMATION GROUP

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

Appendix F

Utilities



nationalgrid Electricity Distribution

Contact Us

Mapping Enquiries:
All areas 0121 623 9780

General Enquiries:
All areas 0800 096 3080

Date Requested: 30/08/2023
Job Reference: 30676734
Site Location: 309134 089823
Requested by: Mr Jamie Howourth
Your Scheme/Reference: HCE1140

Scale: 1:513 (When plotted at A4)

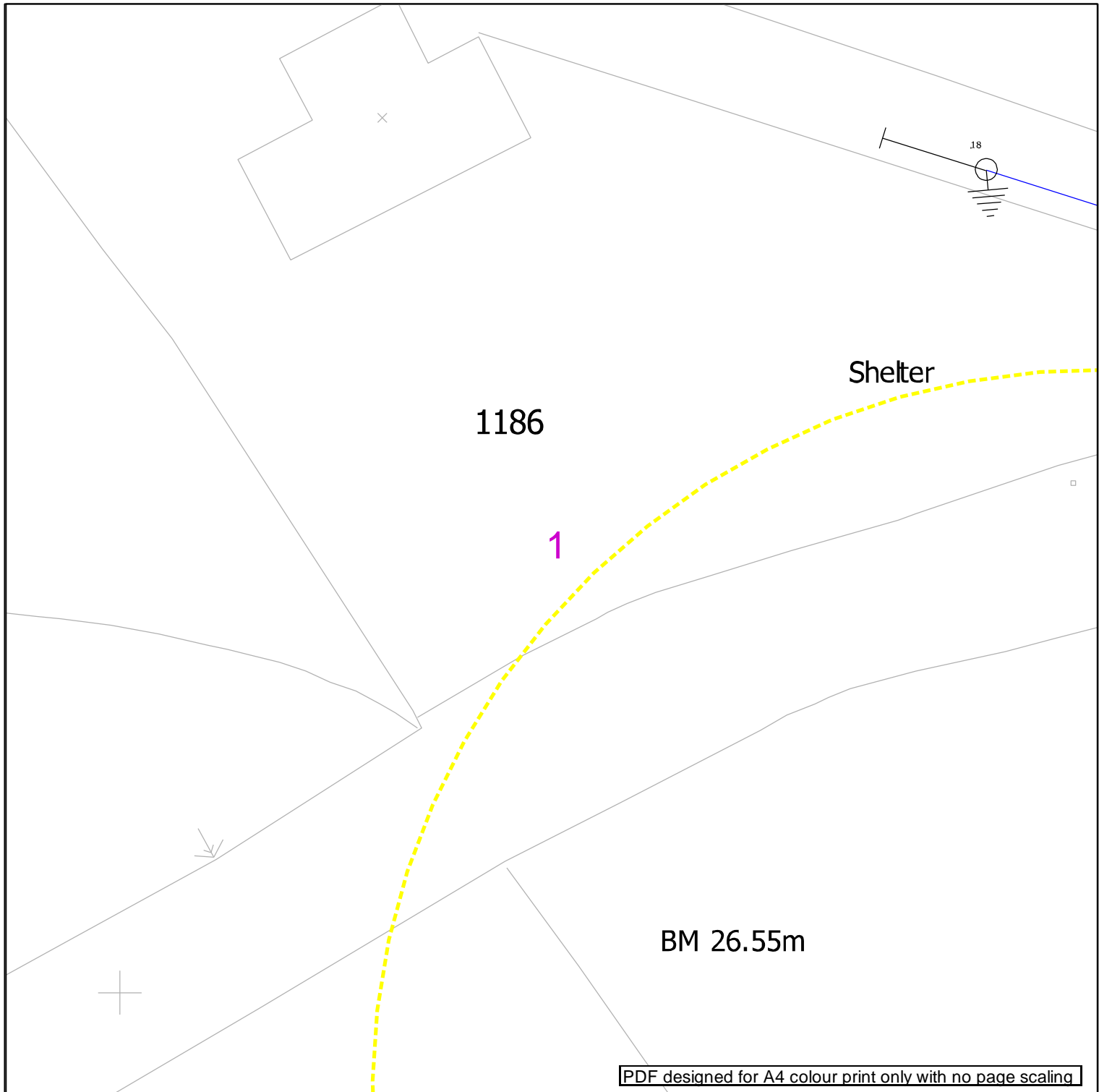
Link Box	Overhead Line	Underground Cable	National Grid Telecoms	Pilot Cables
Site Location				
Line/Area				

IMPORTANT NOTICES

This information is given as a guide only and its accuracy cannot be guaranteed. Services or recent additions to the network may not be shown. Cables, overhead lines & substations owned by other electricity network owners or private companies may be present and may not be shown. You should always verify exact locations of cables using a cable locator and by careful use of hand tools in accordance with HSE guidance note HSG47. When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6. For further advice on working near our electricity cables or lines, call our General Enquiries number. Advice should be sought from the National Grid Electricity Distribution General Enquiries team for any work that is to take place in proximity to 132kV underground cables and 132kV overhead lines.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 6783 105

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Contact Us

Mapping Enquiries:
All areas 0121 623 9780

General Enquiries:
All areas 0800 096 3080

Date Requested: 30/08/2023
Job Reference: 30676734
Site Location: 309134 089823
Requested by: Mr Jamie Howourth
Your Scheme/Reference: HCE1140

Scale: 1:250 (When plotted at A4)

0 25 m

Link Box ●	Overhead Line ○—○ PL ○—○ Service ○—○ LV ○—○ HV (11kV) ○—○ HV (33kV) ○—○ HV (66kV) ○—○ HV (132kV)	Underground Cable -	National Grid Telecoms PME Earth Underground Earth	Pilot Cables Pole Mounted Transformer Ground Mounted Transformer
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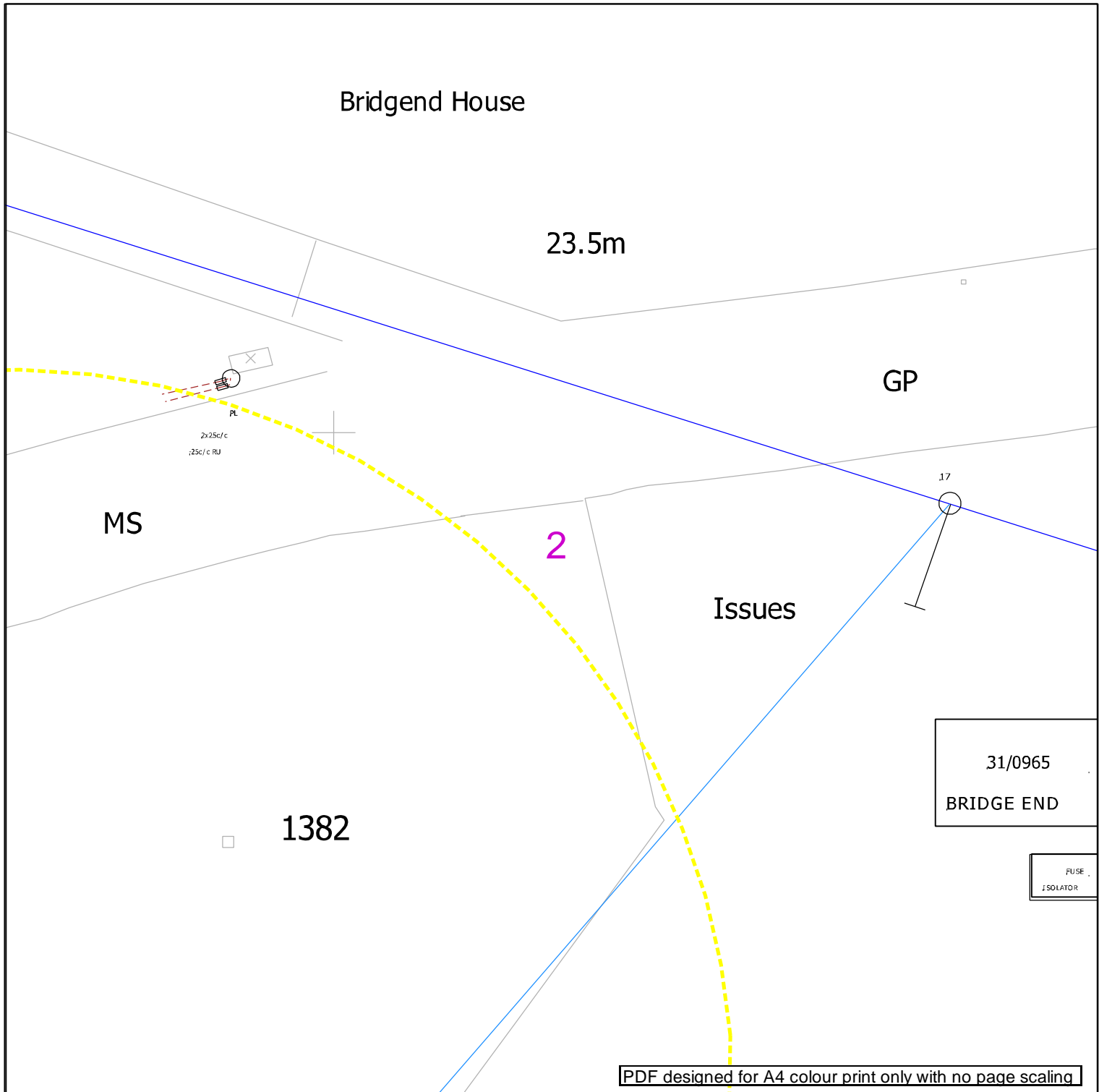
When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.

For further advice on working near our electricity cables or lines, call our General Enquiries number.

Advice should be sought from the National Grid Electricity Distribution General Enquiries team for any work that is to take place in proximity to 132kV underground cables and 132kV overhead lines.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA: 0800 6783 105

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Contact Us

Mapping Enquiries:
All areas 0121 623 9780

General Enquiries:
All areas 0800 096 3080

Date Requested: 30/08/2023
Job Reference: 30676734
Site Location: 309134 089823
Requested by: Mr Jamie Howourth
Your Scheme/Reference: HCE1140

Scale: 1:250 (When plotted at A4)

0 25 m

Link Box	Overhead Line	Underground Cable	National Grid Telecoms	Pilot Cables
●	○ PL ○ Service ○ LV ○ HV (11kV) ○ HV (33kV) ○ HV (66kV) ○ HV (132kV)	---	--- PME Earth ---E--- Underground Earth	○ Pole Mounted Transformer □ Ground Mounted Transformer

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When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.

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Depot

3

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Contact Us

Mapping Enquiries:
All areas 0121 623 9780

General Enquiries:
All areas 0800 096 3080

Date Requested: 30/08/2023
Job Reference: 30676734
Site Location: 309134 089823
Requested by: Mr Jamie Howourth
Your Scheme/Reference: HCE1140



Link Box	Overhead Line	Underground Cable	National Grid Telecoms	Pilot Cables

IMPORTANT NOTICES

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When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.

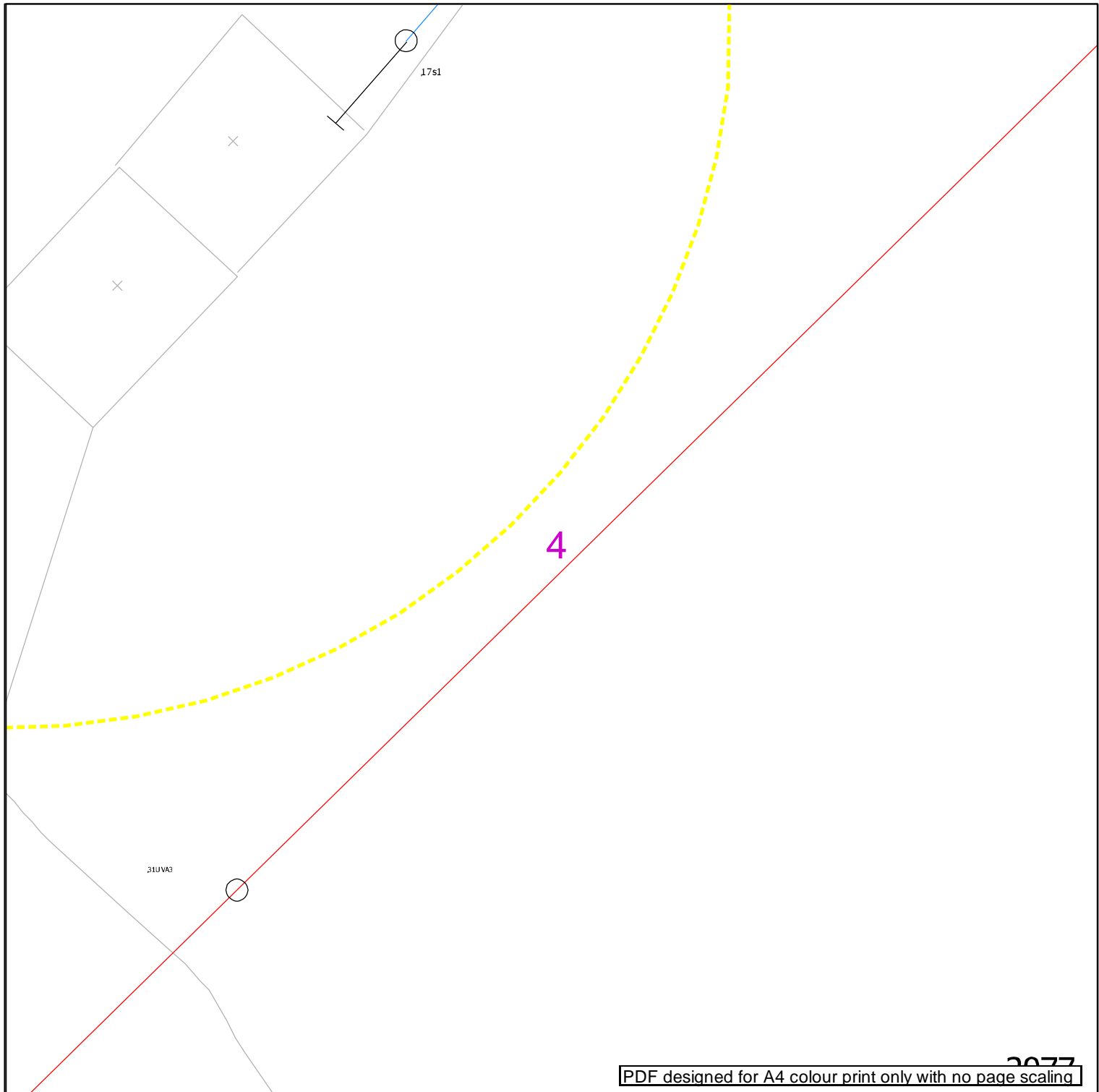
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nationalgrid Electricity Distribution

Contact Us

Mapping Enquiries:
All areas 0121 623 9780

General Enquiries:
All areas 0800 096 3080

Date Requested: 30/08/2023
Job Reference: 30676734
Site Location: 309134 089823
Requested by: Mr Jamie Howorth
Your Scheme/Reference: HCE1140

Scale: 1:250 (When plotted at A4)

0 25 m

Link Box ●	Overhead Line ○—○ PL ○—○ Service ○—○ LV ○—○ HV (11kV) ○—○ HV (33kV) ○—○ HV (66kV) ○—○ HV (132kV)	Underground Cable -	National Grid Telecoms PME Earth Underground Earth	Pilot Cables Pole Mounted Transformer Ground Mounted Transformer
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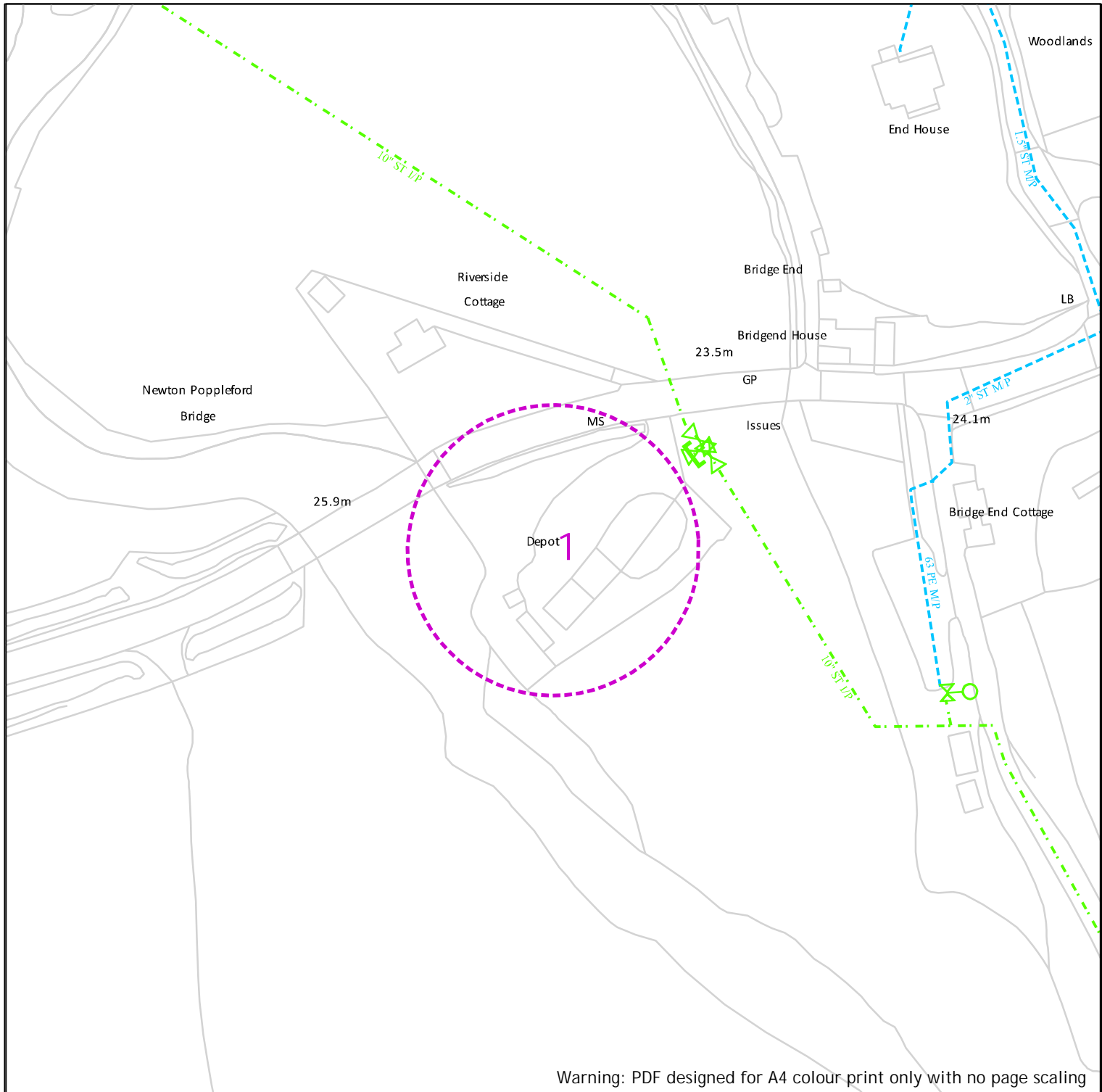
When working within 10m of any overhead electric line you should follow the requirements of HSE Guidance Note GS6.

For further advice on working near our electricity cables or lines, call our General Enquiries number.

Advice should be sought from the National Grid Electricity Distribution General Enquiries team for any work that is to take place in proximity to 132kV underground cables and 132kV overhead lines.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA: 0800 6783 105

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Contact Us
 Mapping Enquiries:
 All areas 02920 278 912
 General Enquiries:
 All areas 0800 912 2999

Dig Sites Area: Line:

Low Pressure (LP) 21m

Medium Pressure (MP)

Intermediate Pressure (IP) 2bar – 7bar

High Pressure (HP) >7bar

EXTREME CAUTION.
 Major Accident Hazard Pipeline in Vicinity
****RISK OF DEATH OR SERIOUS INJURY****
 Prior to excavation starting you must contact the plant protection team on 02920 278912

Change Line/Fire Valve

End Cap Governor Station

Depth of cover

Date Requested: 30/08/2023
 Job Reference: 30676734
 Site Location: 309134 089823
 Requested by: Mr Jamie Howourth
 Your Scheme/Reference: HCE1140

IMPORTANT NOTICES

This information is given as a guide only and its accuracy cannot be guaranteed. The plan only shows those pipes owned by Wales & West Utilities (WWU) as its role as a licensed Gas Transporter. Service pipes, valves, syphons, stub connections etc. may not be shown but their presence should be anticipated. You must use safe digging practices in accordance with HS(G)47 to establish the actual position of mains, services and other apparatus before any mechanical excavation is used. It is your responsibility to ensure this information is provided to all persons working near our plant. If in doubt call the WWU dig team on 02920 27891.

Report damage immediately – KEEP EVERYONE AWAY FROM THE AREA
0800 111 999

Smell gas?
 Call the Gas Emergency Service on **0800 111 999**.

Dial before you dig

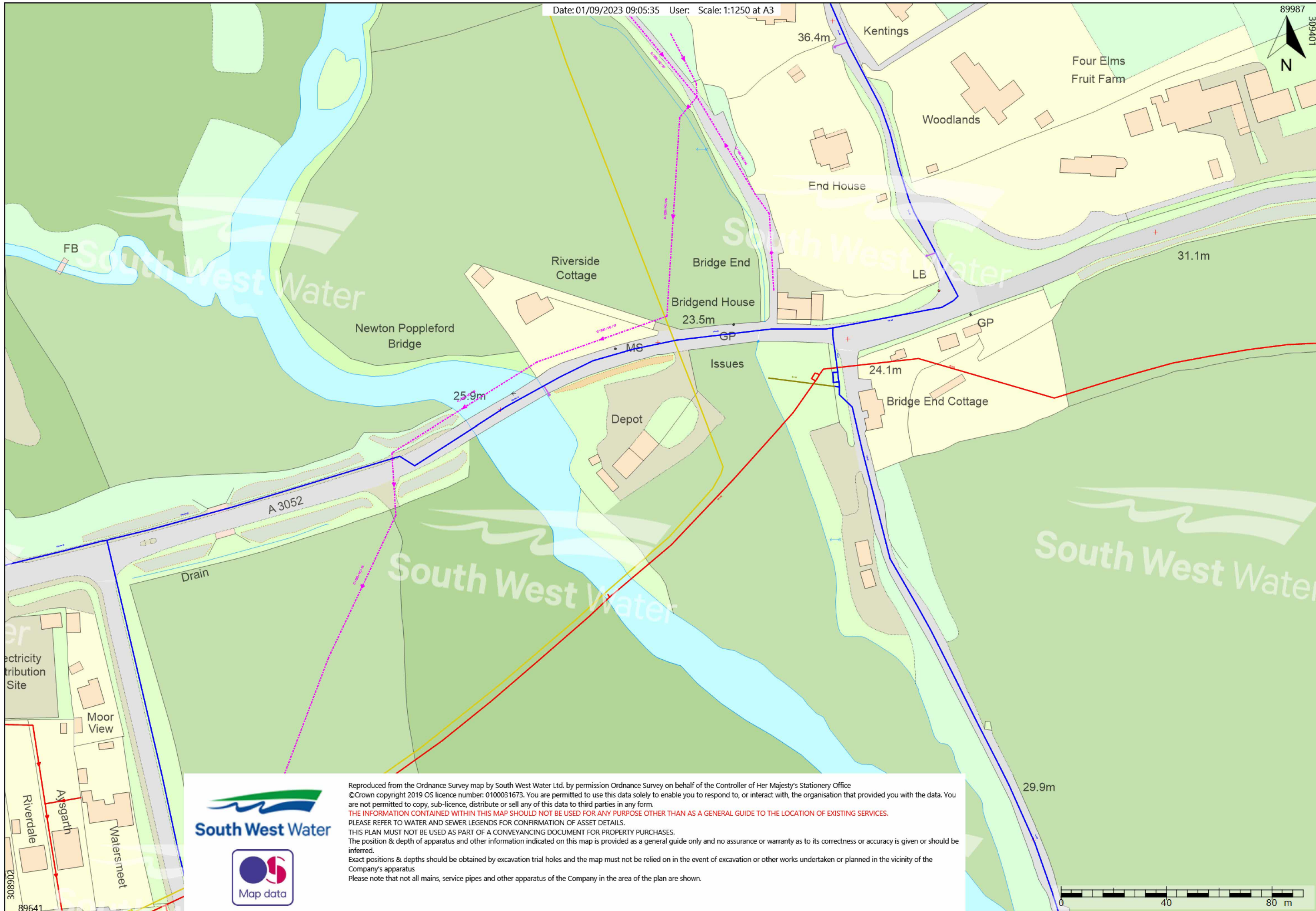
Dial
 Call **029 2027 8912** before you start work.

Investigate
 Before you dig, make sure you know what's below.

Go ahead
 Done your research? Now you can dig safely.

We need 10 days' notice

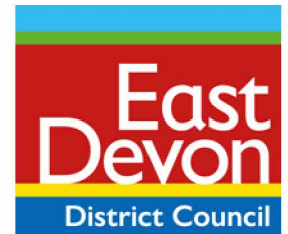
Scale: 1:1250 (When plotted at A4)



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THE INFORMATION CONTAINED WITHIN THIS MAP SHOULD NOT BE USED FOR ANY PURPOSE OTHER THAN AS A GENERAL GUIDE TO THE LOCATION OF EXISTING SERVICES.
PLEASE REFER TO WATER AND SEWER LEGENDS FOR CONFIRMATION OF ASSET DETAILS.
THIS PLAN MUST NOT BE USED AS PART OF A CONVEYANCING DOCUMENT FOR PROPERTY PURCHASES.
The position & depth of apparatus and other information indicated on this map is provided as a general guide only and no assurance or warranty as to its correctness or accuracy is given or should be inferred.
Exact positions & depths should be obtained by excavation trial holes and the map must not be relied on in the event of excavation or other works undertaken or planned in the vicinity of the Company's apparatus.
Please note that not all mains, service pipes and other apparatus of the Company in the area of the plan are shown.

Appendix G Local Authority Correspondence

Date: 5th September 2023
Phone number: 01395 517457
Direct email: iwinter@eastdevon.gov.uk
Our ref: 23/03526/POCONT



Mr J Howourth
Horizon Consulting Engineers
Suite 2
The Dairy Barn,
Westpoint Court,
Sidmouth Road,
EX5 1DJ

Dear Jamie

Contaminated Land Enquiry; Bridgend, Harpford, Sidmouth, EX10 0NG

We are aware of the historical use of the land at; Bridgend, Harpford. Our records detail the following potentially contaminated land connected to the historic land use of the site: Car Breakers/Scrap yard.

The site has not been declared as contaminated under Part 2A of the Environmental Protection Act 1990 and no Notices have been issued relating to contaminated land. EDDC have no records of any contamination incidents at the site. EDDC are not considering any further action against the study site or any surrounding sites under Part 2A of the EPA 1990. EDDC are not aware of any issues relating to contaminated land, past site investigations or subsequent remediation work carried out at this site. No priority has been given to the status of this site. Only through further investigation would any level of contamination become relevant.

If you require any further help or advice please do not hesitate to contact me.

Yours sincerely



Mr Ian Winter - Environmental Health Officer

INVESTORS IN PEOPLE™
We invest in people Platinum

Blackdown House, Border Road, Phone: 01404 515616
Heathpark Industrial Estate, Email: csc@eastdevon.gov.uk
Honiton, EX14 1EJ eastdevon.gov.uk
DX 48808 Honiton @eastdevon

Download the free East Devon App
to access council services at
eastdevon.gov.uk/app

Appendix H Approach to Risk Evaluation

CSM Risk Evaluation Rationale

H.1 Introduction

H.1.1 The mechanism(s) through which a site is regulated will depend on its setting, context and the nature of any contamination present. Notwithstanding this, development and refinement of a CSM underpins the process through which risks associated with contaminated sites are evaluated in the UK irrespective of the context (e.g., whether the site is being developed under planning, assessed under Part 2A of the Environmental Protection Act 1990). The CSM identifies the possible relationships between contaminants, pathways and receptors and is used to identify relevant contaminant linkages that may warrant further assessment and/or remedial actions.

H.1.2 Consistent with DEFRA guidance³:

“A “contaminant” is a substance which is in, on or under the land and which has the potential to cause significant harm to a relevant receptor, or to cause significant pollution of controlled waters;

A “receptor” is something that could be adversely affected by a contaminant, for example a person, an organism, an ecosystem, property, or controlled waters; and

A “pathway” is a route by which a receptor is or might be affected by a contaminant.”

H.1.3 Horizon’s approach to risk evaluation follows Environment Agency guidance⁴, with a tiered approach adopted to the assessment of risks associated with contaminated sites:

Preliminary Risk Assessment (see Section G2 for more details) – a qualitative assessment, typically forming part of a Phase 1 report, the output from which is the preliminary CSM;

Generic Quantitative Risk Assessment (see Section G3 for more details) – a quantitative assessment whereby the preliminary CSM is refined, typically on the basis of site-specific data obtained as part of a Phase 2 site investigation. Generic assessment criteria (GAC) are utilised to screen measured concentrations of contaminants and identify contaminant linkages which might warrant further assessment (i.e., detailed quantitative risk assessment) and/or remedial actions; and

Detailed Quantitative Risk Assessment – a site specific evaluation of individual contaminant linkages to further evaluate potential risks. The scope of a DQRA will be tailored to the requirements of a particular site and might include additional characterisation activities to reduce uncertainty in the CSM, more detailed modelling or development of site-specific assessment criteria.

H.2 Preliminary Risk Assessment

H.2.1 The starting point in any contaminant linkage assessment is the identification of plausible sources of contamination (i.e., hazard identification). The review of desk-based information supplemented with observations from the site walkover where conducted form the focus for information collection at this stage in the process.

H.2.2 A potential source area is described on the basis of the potential impact that the material within the source could have on either environmental (e.g., surface water) and/or human health receptors in its vicinity. Sources include a wide range of materials which could differ in their potential impacts depending on a number of factors which include:

³ DEFRA (2012) Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance

⁴ Environment Agency (2004) Model Procedures for the Management of Land Contamination. CLR11.

- Chronic or acute affects;
- Long-term or short-term release;
- Phase of contamination (e.g., dissolved, free phase, vapour, etc);
- Point or diffuse discharge; and
- Toxicity, mobility and degradation potential of the contaminant.

H.2.3 Pathways represent the route via which contamination may eventually reach a sensitive receptor. Pathways may include direct and indirect exposure to contamination.

H.2.4 Horizon considers the potential for receptors identified in DEFRA guidance³ (e.g., humans, controlled waters, property, ecological systems) to be associated with a site, both in its current setting plus receptors that may be introduced if the site is being considered for redevelopment. A screening process is used to identify those receptors (both on-site and off-site) which may be at potential risk from contamination at the Site and therefore warrant inclusion in the CSM.

H.2.5 Where a potential contaminant linkage has been identified, the next step is assessing the potential risks associated with each individual contaminant linkage (i.e. risk evaluation). The potential magnitude and/or severity of individual contaminant linkages being present at the site along with an assessment of probability are combined. The first stage, utilising the table below, estimates potential magnitude / severity of a contaminant linkage, taking into account the potential severity of the hazard and the sensitivity of the receptor. This table has been developed with reference to R&D66⁵.

Consequence	Example
Severe	Highly elevated concentrations of contaminants likely to represent "significant possibility of significant harm to human health" or greater if exposure occurs (i.e., Category 1 or 2 as defined by DEFRA ³). Equivalent to EA Category 1 pollution incident. Major damage to aquatic or other ecosystems. Catastrophic damage to crops, buildings or property.
Medium	Elevated concentrations of contaminants, although unlikely to pass the legal test for "significant possibility of significant harm to human health" if exposure occurs (i.e., Category 3 as defined by DEFRA ³). Equivalent to EA Category 2 pollution incident. Significant damage to aquatic or other ecosystems (i.e., may result in substantial adverse change in functionality or harm to a species of interest). Significant damage to crops, buildings or property (e.g., ingress of contaminants through water supply pipes).
Mild	Slightly elevated concentrations of contaminants, potentially above a GAC, although unlikely to exceed the Category 3/4 boundary as defined by DEFRA ³). Exposure could lead to slight short-term effects such as mild skin rash. Equivalent to EA Category 3 pollution incident. Significant damage to aquatic or other ecosystems (i.e., may result in substantial adverse change in functionality or harm to a species of interest). Minor damage to crops, buildings or property (e.g., surface spalling of concrete).
Minor	Maximum contaminant concentrations unlikely to result in a measurable effect on humans. Equivalent to an insubstantial pollution incident with no observed effect on water / ecosystem quality. Repairable effects of damage to buildings, structures and services (e.g., discolouration of concrete).

Table H2-1: Approach to Magnitude / Severity Evaluation

⁵ NHBC (2008) Guidance for the Safe Development of Housing on Land Affected by Contamination. R&D66.
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H.2.6 Horizon utilises the following table, developed with reference to R&D66, to assess the potential likelihood of an individual contaminant linkage being present at the site. Where a contaminant linkage has not been established, a risk is not considered to exist.

Likelihood	Example
High	A contaminant linkage exists 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.
Likely	A contaminant 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.
Low	There is a contaminant 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.
Unlikely	There is a contaminant linkage but circumstances are such that it is improbable that an event would occur even in the very long-term.

Table H2-2: Classification of Probability (In the Event a Contaminant Linkage Has Been Established)

H.2.7 The likelihood that an individual contaminant linkage will be present is then combined with the potential severity using the qualitative approach presented in the table below to assess the potential risk associated with each contaminant linkage.

Probability (Likelihood)	Consequence			
	Severe	Medium	Mild	Minor
Very High	High Risk	High Risk	Medium Risk	Medium Risk
High	High Risk	Medium Risk	Medium Risk	Low Risk
Medium	Medium Risk	Medium Risk	Low Risk	Negligible
Low	Medium Risk	Low Risk	Negligible	Negligible

Table H2-3: Approach to Consequence Evaluation

H.2.8 A description of the risks as classified in the table above is presented in the table below. These risk definitions have been developed by Horizon with reference to R&D66 and are utilised as part of the CSM in order to identify contaminant linkages warranting further assessment and/or remedial actions.

Magnitude of Potential Impact	Description
High	Harm is likely to arise or already is arising to a designated receptor from an identified hazard at the site. 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 are likely required.
Medium	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	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.
Negligible	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.

Table H2-4: Receptor Sensitivity Classification

H.3 Generic Quantitative Risk Assessment

H.3.1 If required, the second tier of assessment utilised to refine the CSM typically involves comparison of site-specific information obtained as part of a ground investigation with GAC. Typically, GAC are conservative and based on largely generic assumptions regarding characteristics and behaviours of sources, pathways and receptors, within defined ranges of conditions.

H.3.2 A variety of different GAC are available to assess risks posed to individual receptors and it is noted the nature of the GAC can vary considerably. For example, some GAC (such as the SGV by the EA to support the evaluation of risks to human health from soil contamination) make an attempt to estimate the probability that harm will occur under the specific circumstances being considered. Other GAC (e.g. Environmental Quality Standards utilised to assess potential risks to controlled waters) do not take into account the probability that harm will actually occur. Horizon takes into account the form and level of conservatism inherent in an individual GAC as part of the risk evaluation process. The GAC typically utilised by Horizon are summarised in the table below:

Media	GAC Adopted
Chronic Risks to Human Health	
Soil Contaminants [Inorganic & Organic Chemicals]	LQM S4ULs ⁶ along with DEFRA C4SLs ⁷ where applicable are directly compared with measured soil concentrations. Where a S4UL or C4SL has not been derived for a specific contaminant, reference is made to alternative publicly-available sources. If appropriate on the basis of dataset size and distribution, statistical analysis may be conducted, including assessing the 95 th percentile of the sample mean against the adopted GAC. If appropriate the assessment may make reference to published background levels for a number of contaminants given the risk may still be considered to be low and the site suitable for use if concentrations of contaminants, although elevated, are below local background levels.
Soil contaminants [Asbestos]	In the absence of a published GAC for asbestos in soil, the presence of asbestos fibres reported in a soil sample by a laboratory is the level upon which Horizon would undertake additional, more detailed site-specific risk assessment.
Radon	Reference is made to BRE 211 ⁸ to evaluate potential risks from soil-derived radon.
Ground Gas	Gas Screening Values (GSVs), calculated on the basis of gas concentrations and flow rates, are evaluated with reference to guidance published by CIRIA ⁹ , BSI ¹⁰ and NHBC ¹¹ .
Dissolved Contaminants	Reference is made to Water Screening Values (WSVs) published by Atkins where organic contaminants are detected above the laboratory reporting limit in groundwater to assess chronic risks to human health via the indoor air inhalation pathway.
Risks to Controlled Waters	
Eluted Soil Contaminants / Dissolved Contaminants	Published Environmental Quality Standards (EQS) and Drinking Water Values (DWV) are used as an initial screen of eluted water quality and concentrations of dissolved phase contaminants in groundwater. These criteria make no reference to potential degradation, attenuation and dilution of contaminant concentrations between the source and the receptor.
Risks to Property	
Water supply pipes	Reference is made to the guidance published by the UK Water Industry ¹² .
Sulphate & pH conditions	Reference is made to the guidance published by BRE ¹³ .
Risks to Vegetation & Plants	
Soil contaminants	Reference is made to guidance published by BSI ¹⁴ .

Table H3-1: GAC Typically Adopted by Horizon

⁶ LQM/CIEH (2015) The LQM / CIEH S4ULs for Human Health Risk Assessment

⁷ DEFRA (2014) SP1010: Development of Category 4 Screening Levels for Assessment of Land Affected by Contamination – Policy Companion Document

⁸ BRE (2015) Radon Guidance on Protective Measures for New Buildings.

⁹ CIRIA (2007) Assessing Risks Posed by Hazardous Ground Gases to Buildings. C665.

¹⁰ BSI (2015) Code of Practice for the Design of Protective Measures for Methane and Carbon Dioxide Ground Gases for New Buildings. BS8485.

¹¹ NHBC (2007) Guidance on Evaluation of Development Proposals on Sites Where Methane and Carbon Dioxide are Present.

¹² UKWIR (2010) Guidance for the Selection of Water Supply Pipes to be Used in Brownfield Sites.

¹³ BRE (2005) Concrete in Aggressive Ground. SD1

¹⁴ BSI (2015) Specification for Topsoil. BS3882

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