

# JW WASTE RECYCLING

## AEROBIC DIGESTER

**Environmental Permit Variation Application**

**Site Condition Report**

Prepared for: Advetec Holdings Limited on behalf of

JW Waste Recycling Limited

Client Ref: 416.064394.00001

SLR Ref: 416.064394.00001  
Version No: 1  
December 2022

SLR 

## BASIS OF REPORT

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## 1.0 INTRODUCTION

SLR Consulting Limited (SLR) has been instructed by Advetec Holdings Limited (Advetec) to prepare an application to vary JW Waste Recycling Limited's (JW Waste) existing environmental permit (EPR/EB3607KW) to include the operation of Advetec units for the treatment of residual waste generated at JW Waste's Waste Treatment Transfer Station. The application involves an aerobic digestion system, to be operated by JW Waste and will be located at JW Waste Recycling, Newbury Works, Coleford, Radstock, BA3 5RX (hereafter referred to as 'the Site').

The activities at the site will be regulated as a bespoke waste operation as per the Environmental Permitting (England and Wales) Regulations 2016 (as amended).

This permit application seeks to vary JW Waste Recycling Limited's (JW Waste) existing Standard Rules, SR2015 No 6: 75kte household, commercial and industrial waste transfer station with treatment (EPR/EB3607KW) to a bespoke permit to include the use of an Advetec aerobic digester.

Waste management activities as described in the Waste Framework Directive 2008, which are currently undertaken as part of the waste transfer operation on site include:

- D15 - Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced);
- R13 - Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced);
- D14 - Repackaging prior to submission to any of the operations numbered D1 to 13;
- D9 - Physio-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12;
- R3 - Recycling/reclamation of organic substances which are not used as solvents;
- R4 - Recycling/reclamation of metals and metal compounds; and
- R5 - Recycling/reclamation of other inorganic materials.

The following waste management activities as described in the Waste Framework Directive 2008 will be undertaken at the Site as part of the aerobic digestion process. These include:

- R3 - Recycling or reclamation of organic substances that are not used as solvents;
- R5 - Recycling/reclamation of other inorganic materials; and
- R12 - Exchange of wastes for submission to any of the operations numbered R1 to R 11

The Site Location is illustrated on Drawing EP1 and Site Layout is illustrated within J WITTS V5- Site Plan Drawing.

The site was first permitted in March 2017 under Standard Rules, SR2015 No 6: 75kte household, commercial and industrial waste transfer station with treatment (EPR/EB3607KW). JW Waste applied for a variation to extend the permit boundary, which was granted in 2018 (EB3607KW/V003), the variation did not include any changes to the permit activities.

This SCR relates to the entire proposed permit boundary. The SCR has been prepared in accordance with the Environment Agency's (EA) H5 Guidance Note on SCR<sup>1</sup>. The objective of the SCR is to record and describe the condition of the land at the Site prior to operation. The SCR provides a point of reference and baseline environmental data so that when the EP is surrendered it can be demonstrated that there has been no

<sup>1</sup> Environment Agency – H5 Site Condition Report – guidance and templates, Version 3.0, April 2013

deterioration in the condition of the land as a result of the operations, and ensure that the condition of the land is in a 'satisfactory state' on surrender of the EP.

Sections 1 to 3 of the EA's SCR template, comprise the following:

- Site details;
- Condition of the land at permit issue:
  - Geology;
  - Hydrogeology;
  - Hydrology;
- Pollution History;
- Evidence of historic contamination; and
- Permitted activities.

Sections 4 to 7 of the SCR template will be maintained during the life of the permit and Sections 8 to 10 will be completed and submitted in support of the application to surrender the EP.

## 1.1 Permit Application

Sections 1 to 3 of the SCR template have been completed as part of this EP application in relation to the entire proposed permit boundary.

Should the application be approved, Sections 4 to 7 of the SCR template will be maintained during the life of the permit.

Sections 8 to 10 will be completed and submitted in support if an application to surrender the EP was ever proposed.

## 2.0 SITE CONDITION REPORT H5 TEMPLATE

1.0 SITE DETAILS	
Name of the applicant	JW Waste Recycling Limited
Activity address	JW Waste Recycling, Newbury Works, Coleford, Radstock, BA3 5RX
National grid reference	ST 69630 49829.
Document reference and dates for Site Condition Report at permit application and surrender	Site Condition Report. SLR ref. 416.064394.00001, December 2022.
Document references for site plans (including location and boundaries)	<ul style="list-style-type: none"><li>• Drawing EP1 Site Location Plan</li><li>• Drawing EP2 Environmental Permit Boundary</li></ul>

**Note:**

In Part A of the application form you must give us details of the site's location and provide us with a site plan. We need a detailed site plan (or plans) showing:

- Site location, the area covered by the site condition report, and the location and nature of the activities and/or waste facilities on the site.
- Locations of receptors, sources of emissions/releases, and monitoring points.
- Site drainage.
- Site surfacing.

If this information is not shown on the site plan required by Part A of the application form then you should submit the additional plan or plans with this site condition report.

## 2.0 CONDITION OF THE LAND AT PERMIT ISSUE

<p>Environmental setting including:</p> <ul style="list-style-type: none"> <li>• geology</li> <li>• hydrogeology</li> <li>• surface waters</li> </ul>	<p><b>Geology</b></p> <p>A review of the British Geological Survey (BGS)<sup>2</sup> mapping reveals that the site is underlain by a bedrock of Mudstone, Siltstone and Sandstone which is interbedded from the South Wales Middle Coal Measures Formation.</p> <p>The site is not underlain with superficial deposits.</p> <p><b>Hydrogeology</b></p> <p>The mudstone bedrock underlying the site is designated as a Secondary A aquifer according to the Multi-Agency Geographical Information for the Countryside (MAGIC) map<sup>3</sup>.</p> <p><b>Groundwater Vulnerability</b></p> <p>MAGIC map shows that the site lies in an area classified as ‘medium’ with a soluble rock risk in terms of groundwater vulnerability.</p> <p><b>Source Protection Zones</b></p> <p>The site is not located within a groundwater Source Protection Zone.</p> <p><b>Hydrology</b></p> <p>The Flood Map for Planning<sup>4</sup> identifies the site as lying within a Flood Zone 1, defined as “Land having a less than 1 in 1,000 annual probability of river or sea flooding”.</p> <p>The nearest surface water receptor to the site is a brook is situated 40m to the south of the site.</p> <p>The nearest significant body of water is Vobster Quarry which is located approximately 700m to the east.</p>
<p>Pollution history including:</p> <ul style="list-style-type: none"> <li>• pollution incidents that may have affected land</li> <li>• historical land-uses and associated contaminants</li> <li>• any visual/olfactory evidence of existing contamination</li> <li>• evidence of damage to pollution prevention measures</li> </ul>	<p><b>Pollution Incidents</b></p> <p>Review of a Groundsure report (Appendix A) produced for the site reveals there has been 2 pollution incidents within 500m of the site. Details of the pollution incidents are as follows:</p> <p>A pollution incident involving commercial waste occurred 30m east of the site on the 17/01/2017 and had a category 2 (significant) impact on land, with no impact on water or air.</p> <p>A further pollution incident also involving contaminated construction and demolition waste occurred 30m east of the site on 17/01/2017 which had a category 2 (significant) impact on land, with no impact to water or air.</p>

<sup>2</sup> British Geological Survey (BGS) Available at [www.bgs.ac.uk](http://www.bgs.ac.uk), accessed in October 2022

<sup>3</sup> Multi-Agency Geographical Information for the Countryside Map, available at [www.magic.gov.uk](http://www.magic.gov.uk), accessed in October 2022

<sup>4</sup> Gov.uk Flood Map for Planning, available at <https://flood-map-for-planning.service.gov.uk/>, accessed in October 2022

### Waste Management Activities

Review of the Groundsure report reveals there are no registered waste management activities within 500m of the site.

Review of the Groundsure report reveals there are 11 licensed waste sites located within 500m of the site. The closest of which is as follows:

- Page Farm House Landfill Site, Page Farm House, Newbury, located approximately 154m south east of the site, EPR (Waste) License Number: PEN271, WML No. 27101.

There are 7 waste exemptions recorded within 500m of the site, the closest of which is as follows;

- On site, WEX008167- storing waste exemption, not on a farm;

### Industrial Activities

Review of the Groundsure report reveals that there are 5 recent industrial land uses registered within 500m of the site, the majority of which are based within the unnamed industrial estate or the immediately surrounding units. The closest of these is Vobster Cast Stone which is located adjacent to the site boundary.

Review of the Groundsure report reveals that there are 69 historical licensed industrial activities being undertaken on site or within 500m of it. The closest being railway sidings which are located on the site.

### Historical Waste Sites

Review of the Groundsure report reveals that there are no historical waste sites registered within 500m of the site.

### Historical Landfills

Review of the Groundsure report reveals that there are 9 historical landfills registered within 500m of the site. The closest of these was Newbury Concrete Works, Coleford, located 46m west of the site, site reference WDL/068/KD, DH/LCC/W19/P.

### Licensed Waste Sites

Review of the Groundsure report reveals that there are 11 licensed waste sites registered within 500m of the site, the closest of which is as follows:

Newbury Works, Newbury Works, Coleford, On site, EP Regulations (Waste) License Number: JWW001;

### Licensed Discharges to Controlled Waters

A review of the Groundsure report revealed that there was 1 licensed discharge to controlled waters registered within 500m of the site:



- Coleford Household Waste Recycling Centre, Newbury Rd, located on site, effluent type: trade discharges- site drainage, permit No. 101264.

#### Visible Evidence of Contamination

The operator is unaware of any known visible evidence of pollution or contamination in the site area. Images of the sites condition are included within Appendix B.

#### Damage to Pollution Prevention Measures

The operator is unaware of any damage to pollution prevention measures in place on site.

#### Historical Land Uses

A review of the historical mapping provided within the Groundsure Report reveals that the area where the site lies has been used for industrial purposes for hundreds of years. Newbury Colliery was previously situated on the site which can be seen on maps from 1884 which is the earliest available map. The area surrounding the site predominantly consisted of agricultural ground including areas of woodland. The villages of Highbury, Coleford and Vobster are all situated within 1km of the site and predominantly consist of residential and commercial properties.

#### Historical Mapping

A review of the historical mapping provided with the Groundsure report indicates the site area was previously and continues to be used for industrial purposes.

The principal land uses of the site boundary and immediately surrounding area, as summarised below;

- **1884 (earliest available map)**- The site area lies in a long-established industrial site. The site boundary is situated within Newbury Colliery, coke ovens and railway tracks were present as part of the Colliery.

Edmund Shipperidge wood is located to the south east of the site within 500m of the site boundary. The villages of Highbury and Coleford, both of which are located approximately 1km south west of the site mainly containing residential properties. The site is however predominantly surrounded by agricultural land with areas of woodland.

- **1904** - No changes in land use are noted within the EP boundary.

The villages of Highbury and Coleford, both of which are located south west of the site and the village, as well as the village of Vobster located south east of the site continue to expand and develop. Land surrounding the site remains agricultural land with areas of woodland. Vobster Quarry is present approximately 750m to the east of the site.

	<ul style="list-style-type: none"> <li>• <b>1930-</b> Newbury Colliery which was situated within the site boundary is now disused. The building which contained the coke ovens as well as some of the railway tracks have been removed.  The area surrounding the site still comprises of agricultural land with areas of woodland.</li> <li>• <b>1972-</b> The site is now used as ‘Newbury Concrete Works’, new buildings have been constructed as part of the concrete works. Parts of the dismantled railway are still present within the site boundary.  Newbury Cottages are present approximately 250m to the east of the site. An area of woodland is now present adjacent to the south of the EP boundary.</li> <li>• <b>1987-88-</b> No changes in the land use are noted within the EP boundary.</li> <li>• Further buildings have been constructed on the site as part of the Concrete works. The dismantled railway has now been removed from the site.  The land which surrounds the Site remains the same.</li> <li>• <b>1995-</b> No changes in land use are noted within the EP boundary.  The local road network has developed and expanded. The surrounding land remains comprised of agricultural land, with areas of woodland.</li> <li>• <b>2010-</b> No changes in land use are noted within the EP boundary.</li> <li>• <b>2022-</b> The site is no longer used as a concrete works. It is now used as a waste transfer station.</li> <li>• Immediately to the north and east lies woodland. Immediately to the south and west lies industrial and commercial properties. The landscape surrounding the Site is primarily comprised of agricultural land, interspersed woodland.  The landscape surrounding the site is primarily comprised of agricultural land with the exception of a couple of residential properties situated both west and east of the site as well as within the villages of Highbury located southwest of the site and Newbury located northwest of the site.</li> </ul>
EP	EPR/EB3607KW
Baseline soil and groundwater reference data	N/A
Supporting information	<ul style="list-style-type: none"> <li>• Appendix A Groundsure Report</li> </ul>

<b>3.0 PERMITTED ACTIVITIES</b>	
Permitted activities	<p>The activities at the site will be regulated as a bespoke waste operation as per the Environmental Permitting (England and Wales) Regulations 2016 (as amended).</p> <p>This permit application seeks to vary JW Waste Recycling Limited's (JW Waste) existing Standard Rules, SR2015 No 6: 75kte household, commercial and industrial waste transfer station with treatment (EPR/EB3607KW) to a bespoke permit to include the use of an Advetec aerobic digester.</p> <p>Waste management activities as described in the Waste Framework Directive 2008, which are currently undertaken as part of the waste transfer operation on site include:</p> <ul style="list-style-type: none"> <li>• D15-Storage pending any of the operations numbered D1 to D14 (excluding temporary storage, pending collection, on the site where it is produced);</li> <li>• R13- Storage of wastes pending any of the operations numbered R1 to R12 (excluding temporary storage, pending collection, on the site where it is produced);</li> <li>• D14- Repackaging prior to submission to any of the operations numbered D1 to 13;</li> <li>• D9-Physio-chemical treatment not specified elsewhere in Annex IIA which results in final compounds or mixtures which are discarded by means of any of the operations numbered D1 to D8 and D10 to D12;</li> <li>• R3-Recycling/reclamation of organic substances which are not used as solvents;</li> <li>• R4-Recycling/reclamation of metals and metal compounds; and</li> <li>• R5-Recycling/reclamation of other inorganic materials.</li> </ul> <p>The following waste management activities as described in the Waste Framework Directive 2008 will be undertaken at the Site as part of the aerobic digestion process. These include:</p> <ul style="list-style-type: none"> <li>• R3 - Recycling or reclamation of organic substances that are not used as solvents;</li> <li>• R5 - Recycling/reclamation of other inorganic materials; and</li> <li>• R12 - Exchange of wastes for submission to any of the operations numbered R1 to R 11</li> </ul>
Non-permitted activities undertaken	None
Document references for:	<ul style="list-style-type: none"> <li>• J WITTS V6- Site Plan Drawing</li> <li>• Section 4 of permit application- Environmental Risk Assessment.</li> </ul>
<ul style="list-style-type: none"> <li>• plan showing activity layout; and</li> </ul>	

<ul style="list-style-type: none"> <li>environmental risk assessment.</li> </ul>	
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**Note:**

In Part B of the application form you must tell us about the activities that you will undertake at the site. You must also give us an environmental risk assessment. This risk assessment must be based on our guidance (Environmental Risk Assessment - EPR H1) or use an equivalent approach.

It is essential that you identify in your environmental risk assessment all the substances used and produced that could pollute the soil or groundwater if there were an accident, or if measures to protect land fail.

These include substances that would be classified as ‘dangerous’ under the Control of Major Accident Hazards (COMAH) regulations and also raw materials, fuels, intermediates, products, wastes and effluents.

If your submitted environmental risk assessment does not adequately address the risks to soil and groundwater we may need to request further information from you or even refuse your permit application.

<b>4.0 CHANGES TO THE ACTIVITY</b>	
Have there been any changes to the activity boundary?	The site was first permitted in March 2017 under Standard Rules, SR2015 No 6: 75kte household, commercial and industrial waste transfer station with treatment (EPR/EB3607KW). JW Waste applied for a variation to extend the permit boundary, which was granted in June 2018 (EB3607KW/V003), the variation did not include any changes to the permit activities.
Have there been any changes to the permitted activities?	<p>JW Waste propose to install an Advetec aerobic digester. The following waste management activities as described in the Waste Framework Directive 2008 will be undertaken at the Site as part of the aerobic digestion process. These include:</p> <ul style="list-style-type: none"> <li>R3 - Recycling or reclamation of organic substances that are not used as solvents;</li> <li>R5 - Recycling/reclamation of other inorganic materials; and</li> <li>R12 - Exchange of wastes for submission to any of the operations numbered R1 to R 11</li> </ul> <p>These propose activities will be in addition to the waste management activities already undertaken as part of the waste transfer operation.</p>
Have any ‘dangerous substances’ not identified in the Application Site Condition Report been used or produced as a result of the permitted activities?	
Checklist of supporting information	

<b>5.0 MEASURES TAKEN TO PROTECT THE LAND</b>
<i>To be maintained during the life of the permit</i>

Checklist of supporting information	
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**6.0 POLLUTION INCIDENTS AND REMEDIATION**

To be maintained during the life of the permit

Checklist of supporting information	
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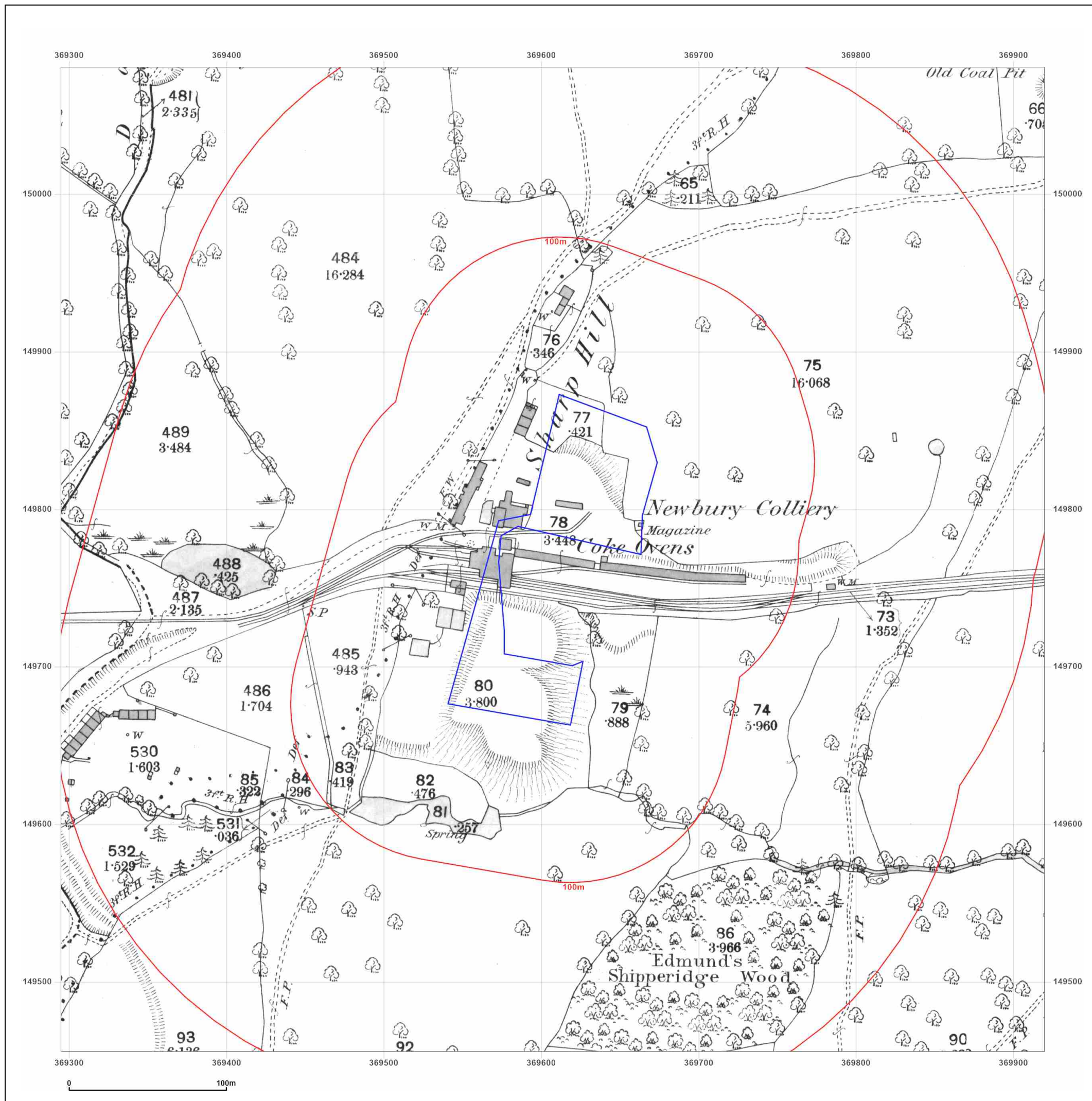
**7.0 SOIL GAS AND WATER QUALITY MONITORING (WHERE UNDERTAKEN)**

*To be maintained during the life of the permit*

Checklist of supporting information	
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## **APPENDIX A**

### Groundsure Report



# EMAPSITE™

**Site Details:**

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** County Series  
**Map date:** 1886  
**Scale:** 1:2,500  
**Printed at:** 1:2,500



Surveyed 1886  
 Revised 1886  
 Edition N/A  
 Copyright N/A  
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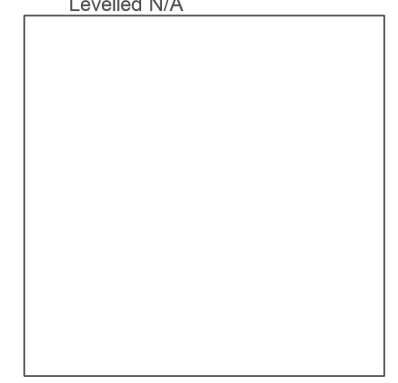
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 Report Ref: EMS-818129\_1052054  
 Grid Ref: 369607, 149768

Map Name: County Series  
 Map date: 1904  
 Scale: 1:2,500  
 Printed at: 1:2,500



Surveyed 1904  
 Revised 1904  
 Edition N/A  
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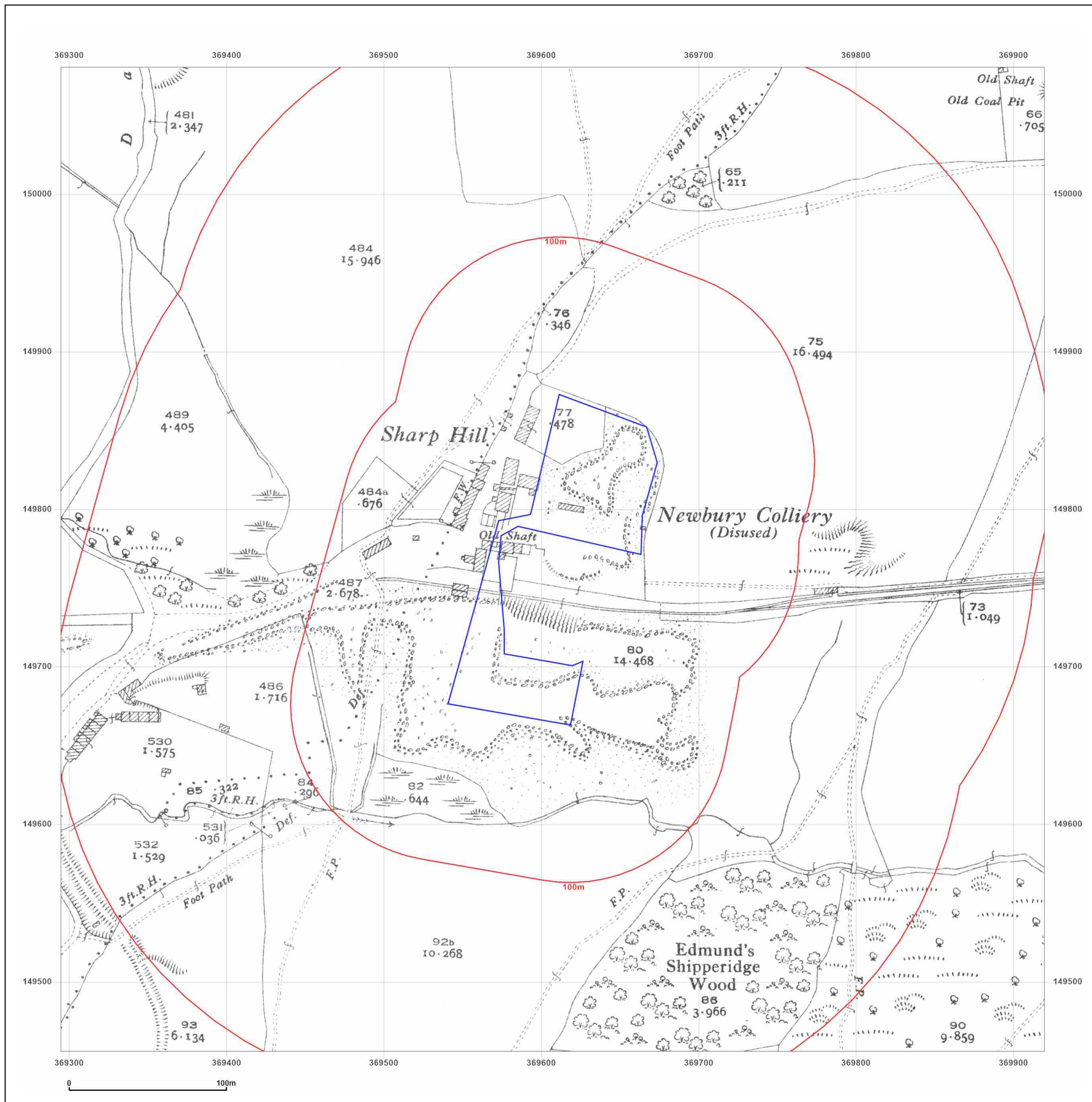


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## Site Details:

Client Ref: EMS\_818129\_1011958  
 Report Ref: EMS-818129\_1052054  
 Grid Ref: 369607, 149768

Map Name: County Series

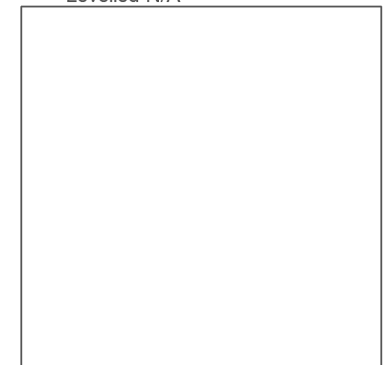
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 Grid Ref: 369607, 149768

Map Name: National Grid

Map date: 1972

Scale: 1:2,500

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 Edition N/A  
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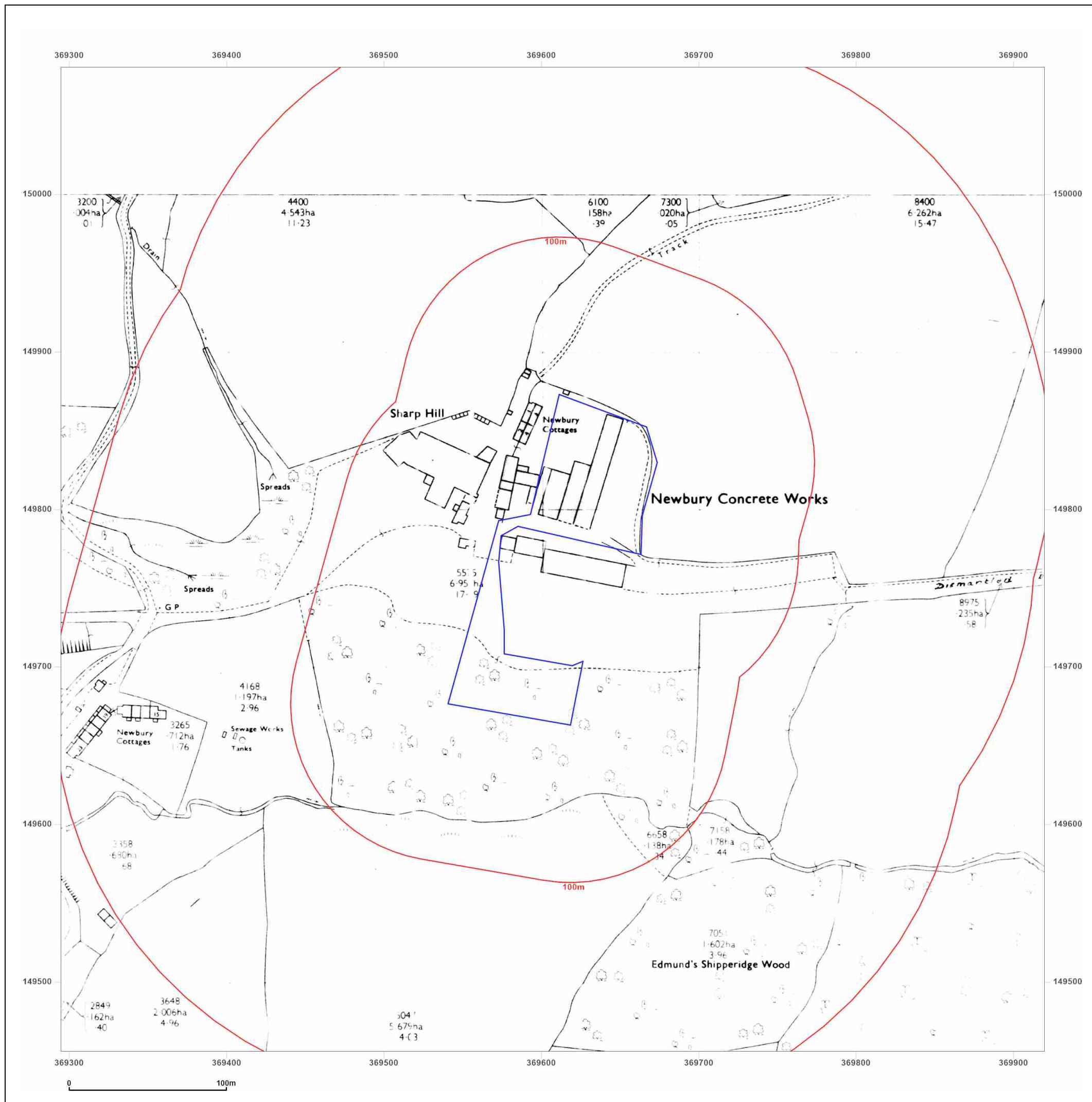


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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 1973

**Scale:** 1:2,500

**Printed at:** 1:2,500



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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 1987-1988

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Levelled 1954

Surveyed 1961  
 Revised 1987  
 Edition N/A  
 Copyright 1987  
 Levelled 1961



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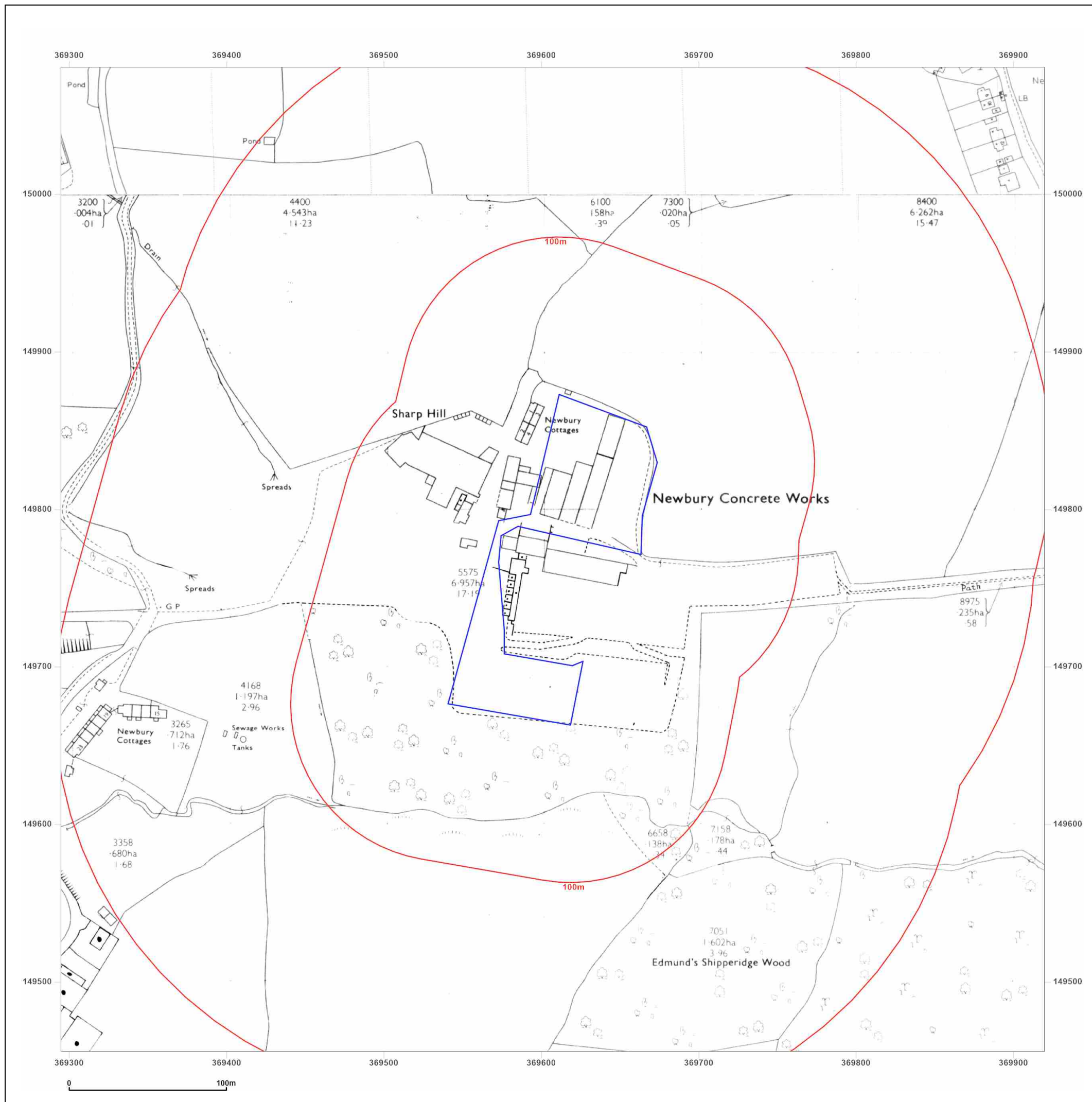


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## Site Details:

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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 1992

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Revised 1992  
 Edition N/A  
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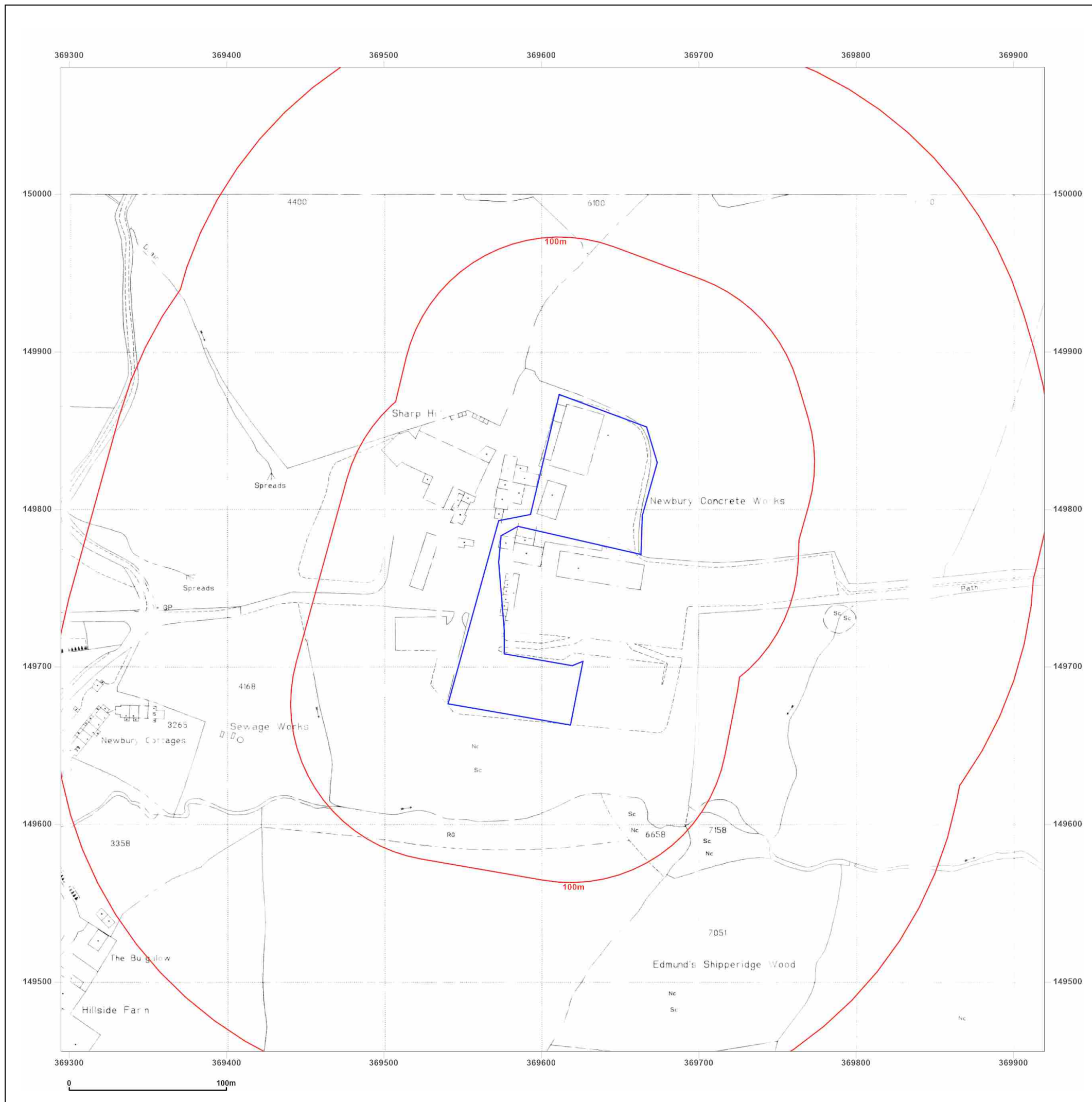


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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 1995

**Scale:** 1:2,500

**Printed at:** 1:2,500



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 Revised N/A  
 Edition N/A  
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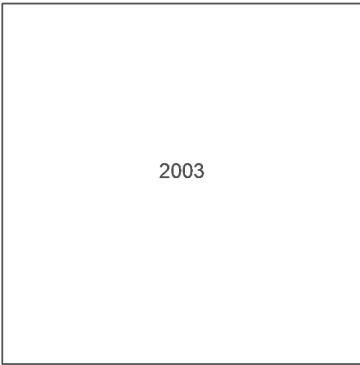


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**Site Details:**

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** LandLine  
**Map date:** 2003  
**Scale:** 1:1,250  
**Printed at:** 1:1,250



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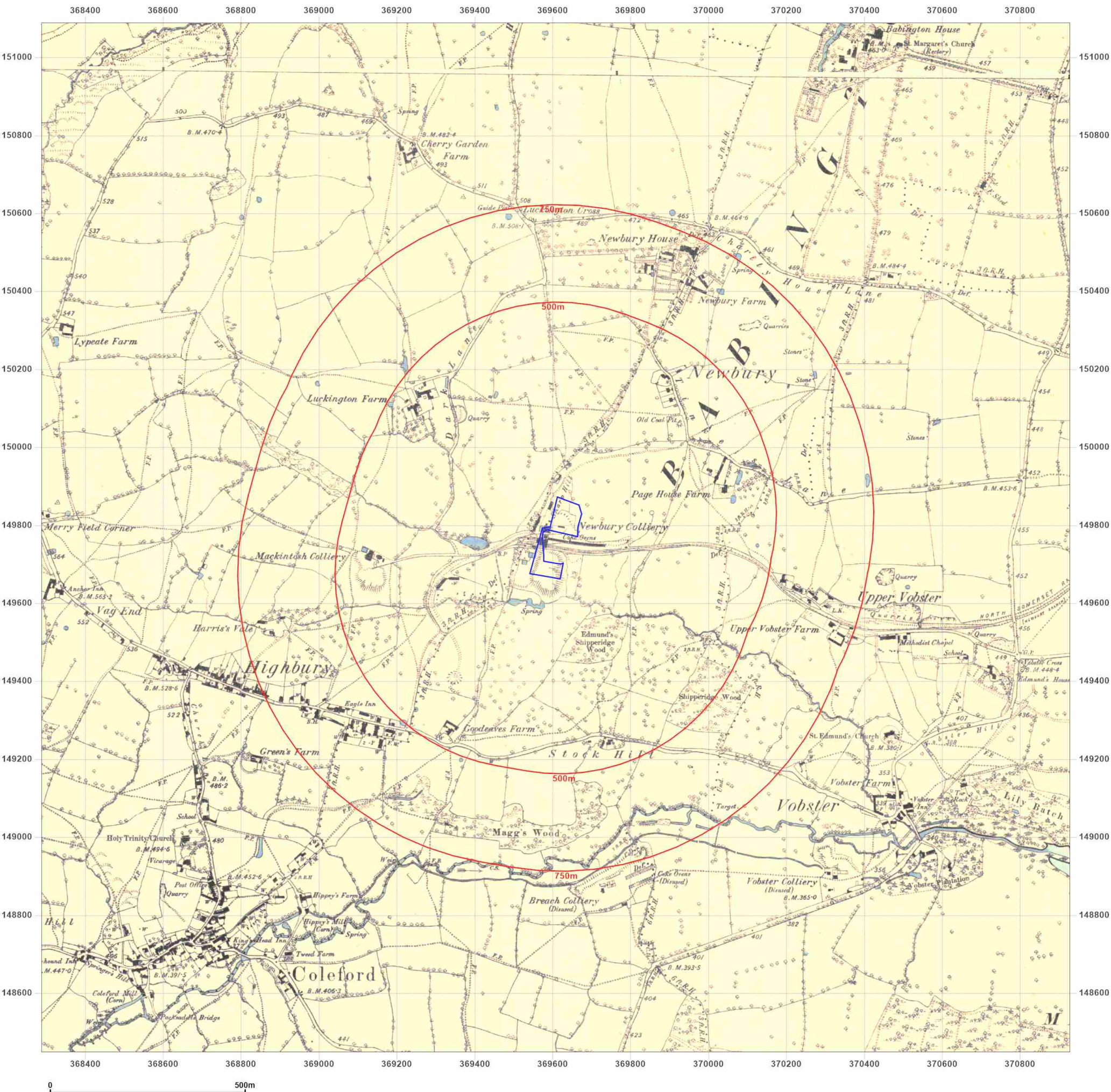


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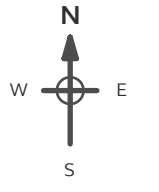


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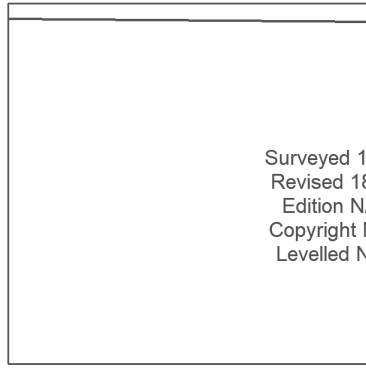
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**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** County Series  
**Map date:** 1884  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



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**Site Details:**

Client Ref: EMS\_818129\_1011958  
 Report Ref: EMS-818129\_1052054  
 Grid Ref: 369607, 149768

Map Name: County Series

Map date: 1902

Scale: 1:10,560

Printed at: 1:10,560



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 Revised 1902  
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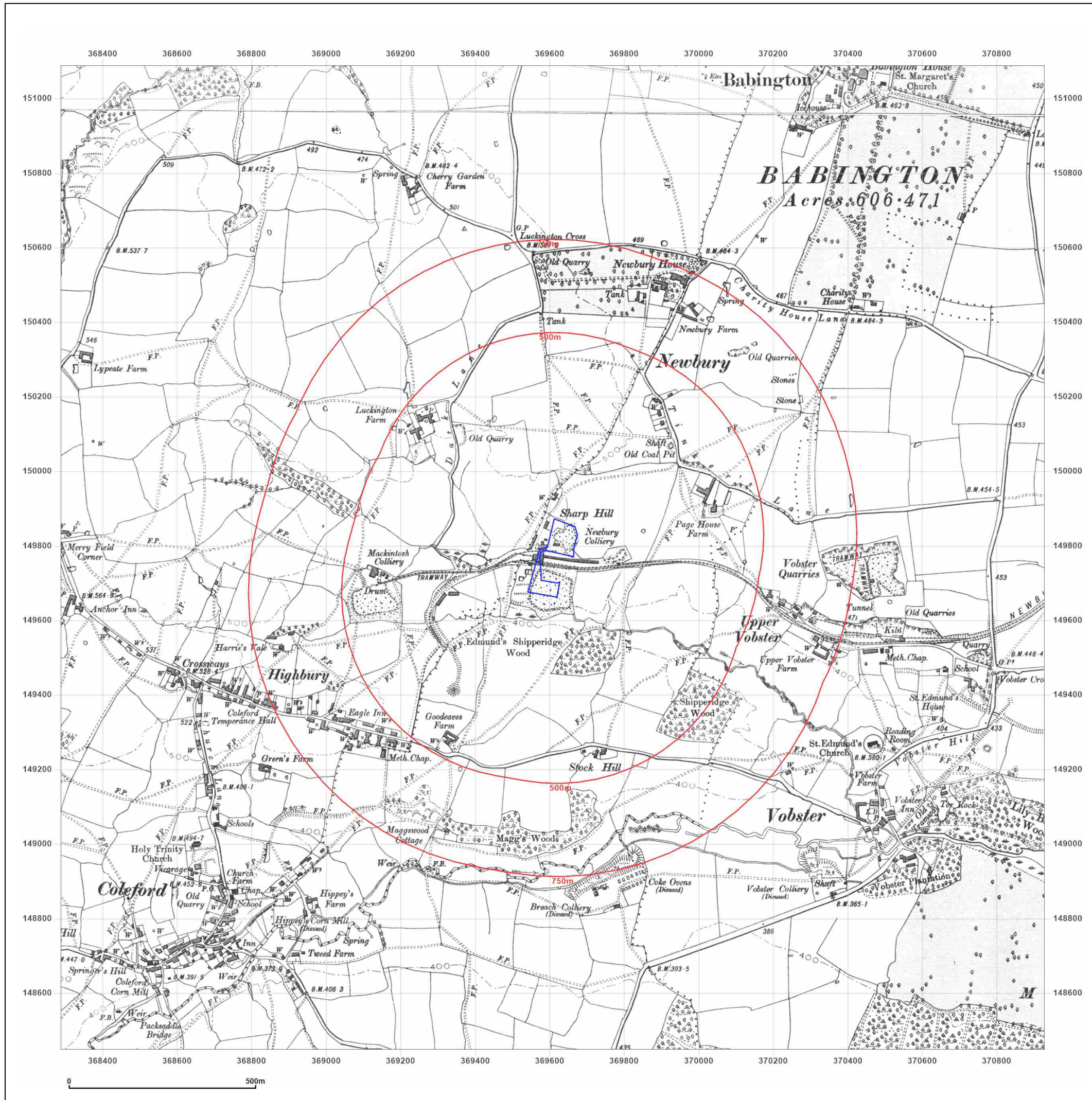


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**Site Details:**

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** County Series

**Map date:** 1932

**Scale:** 1:10,560

**Printed at:** 1:10,560



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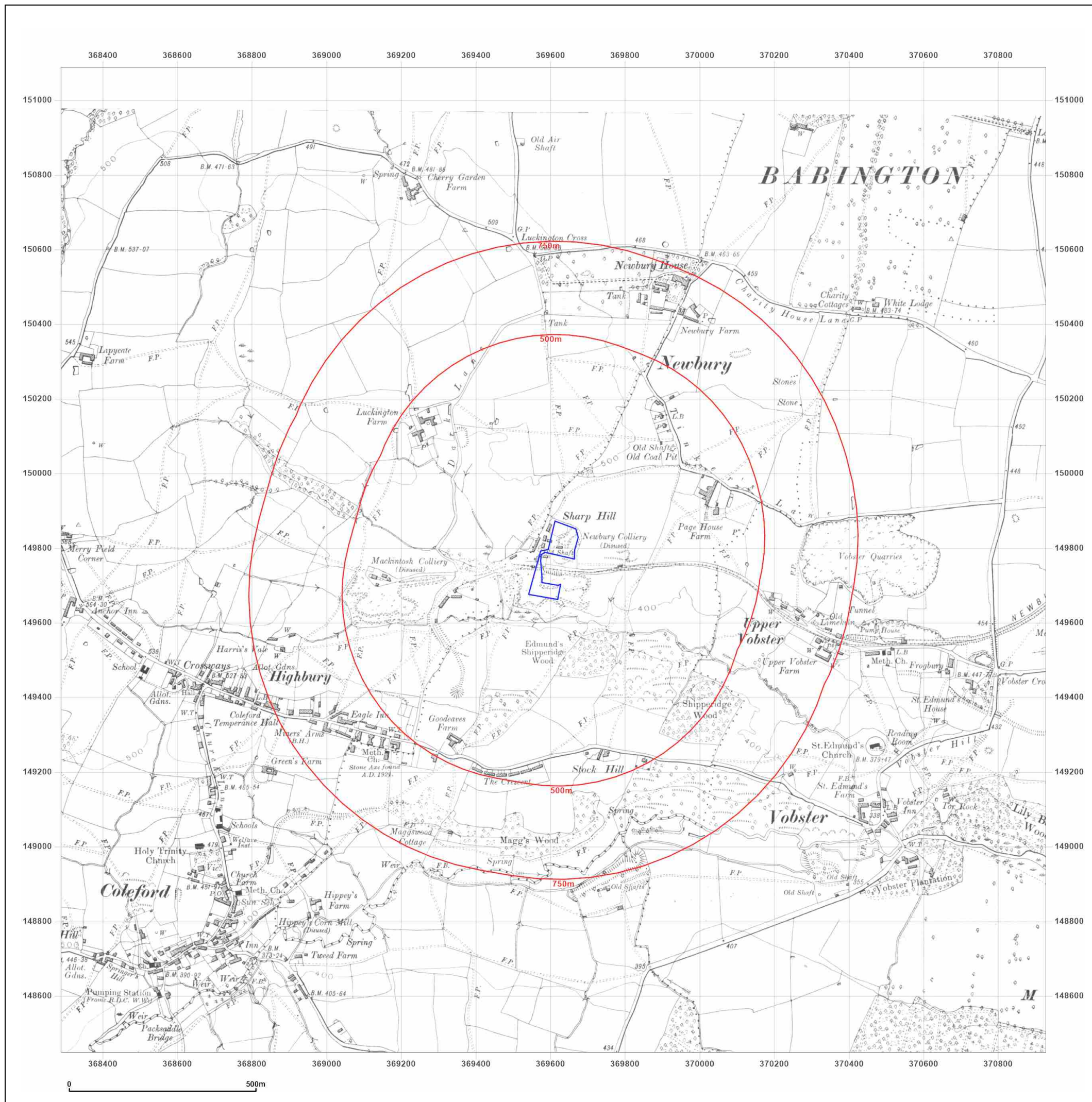


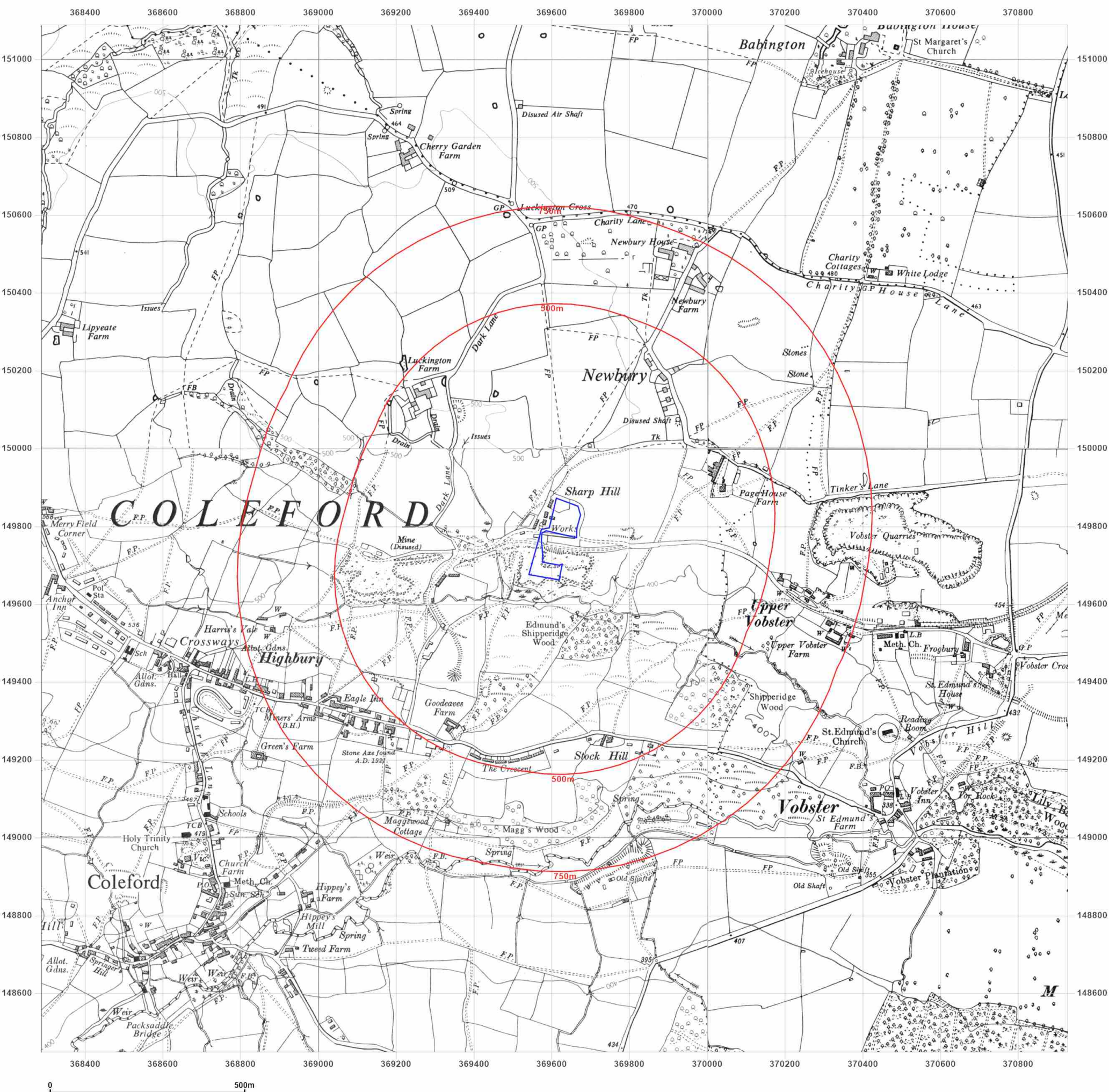
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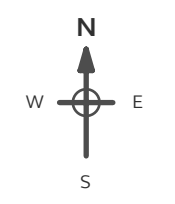


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## Site Details:

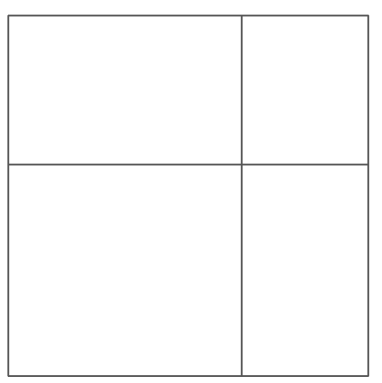
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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** Provisional  
**Map date:** 1956-1961  
**Scale:** 1:10,560  
**Printed at:** 1:10,560



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Surveyed 1884  
 Revised 1956  
 Edition N/A  
 Copyright N/A  
 Levelled N/A



Surveyed 1958  
 Revised 1958  
 Edition N/A  
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Surveyed 1956  
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**Site Details:**

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

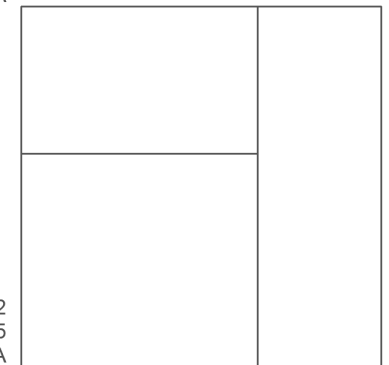
**Map date:** 1972-1975

**Scale:** 1:10,000

**Printed at:** 1:10,000



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 Revised 1975  
 Edition N/A  
 Copyright 1975  
 Levelled N/A



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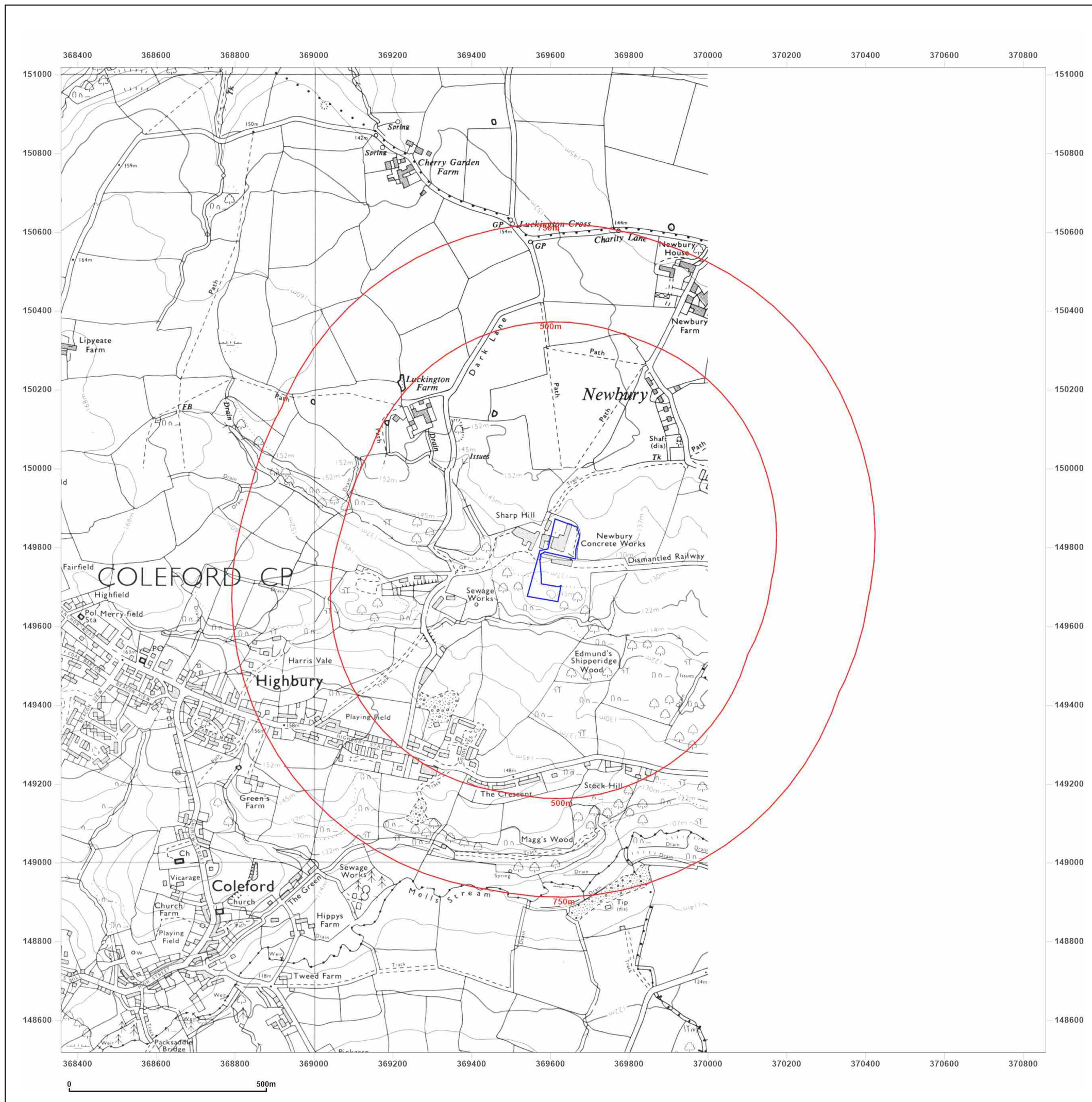


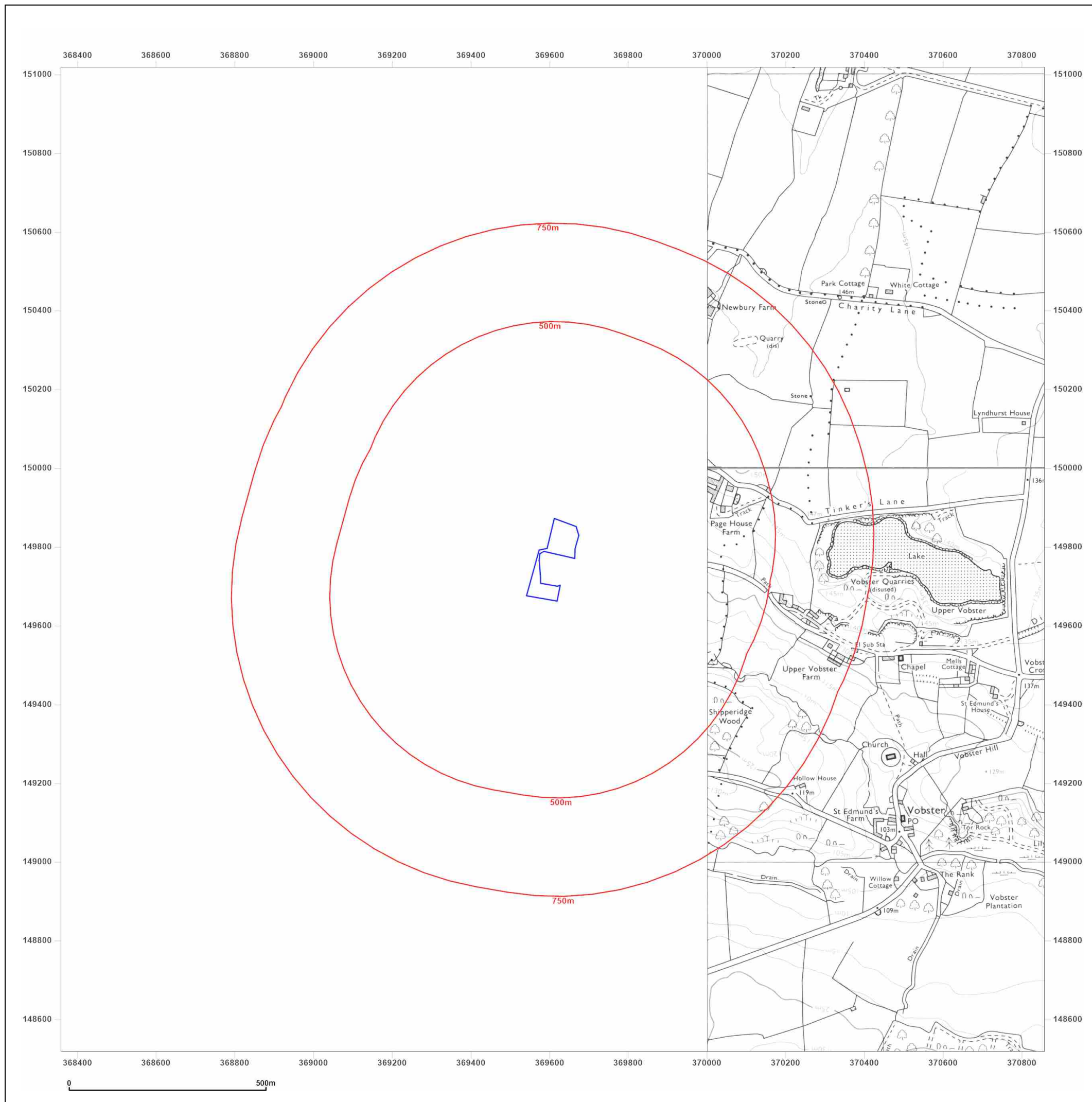
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## Site Details:

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

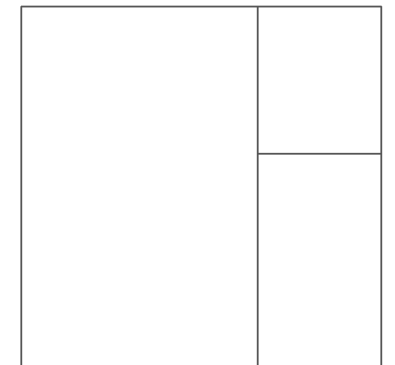
**Map date:** 1980-1981

**Scale:** 1:10,000

**Printed at:** 1:10,000



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**Site Details:**

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

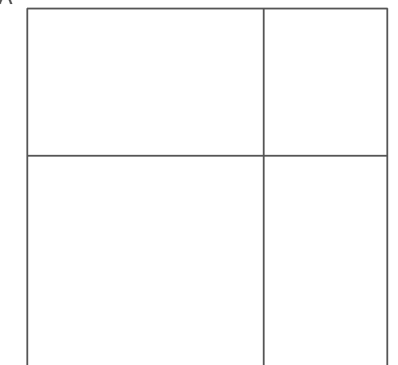
**Map date:** 1987-1992

**Scale:** 1:10,000

**Printed at:** 1:10,000



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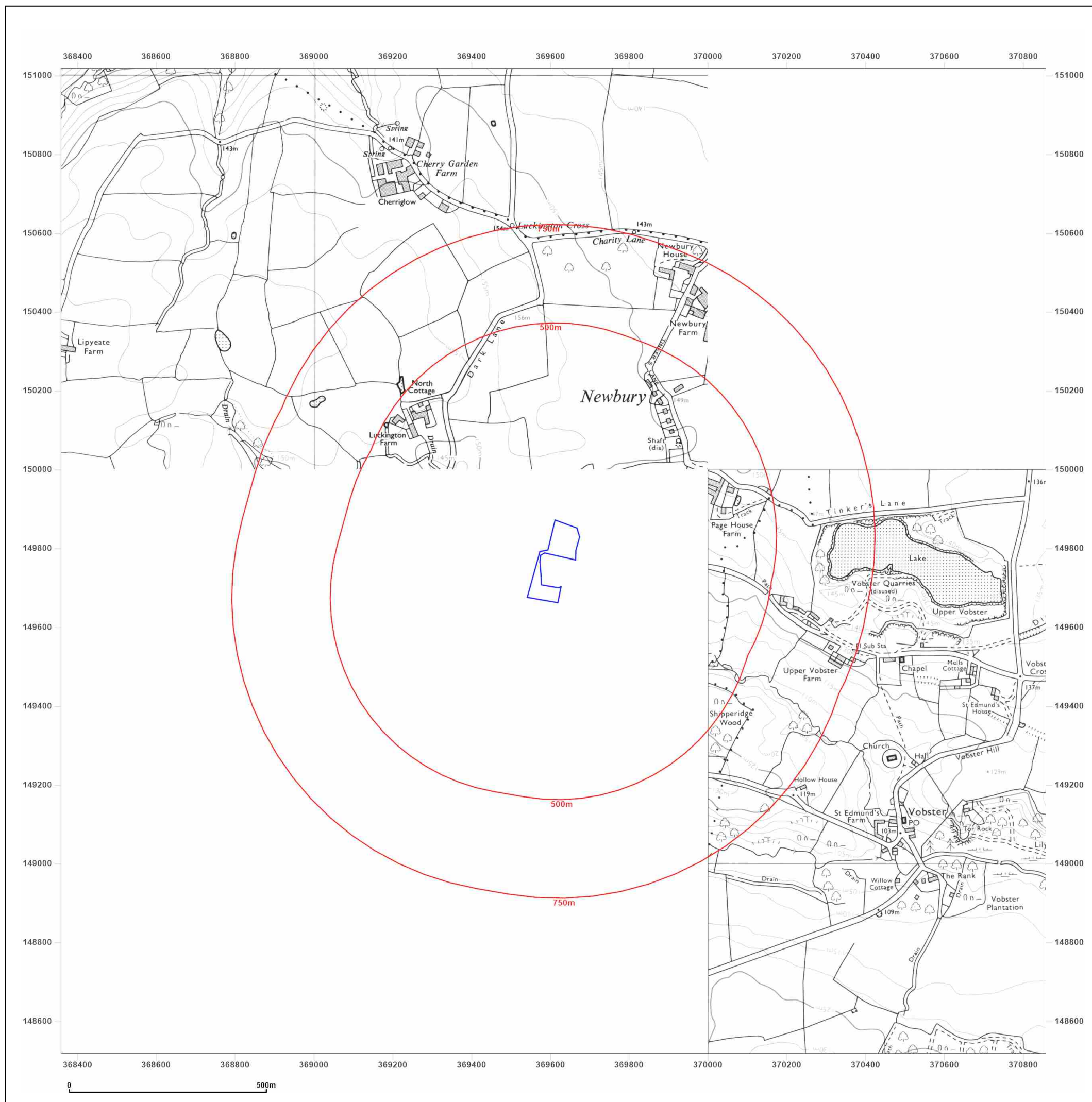


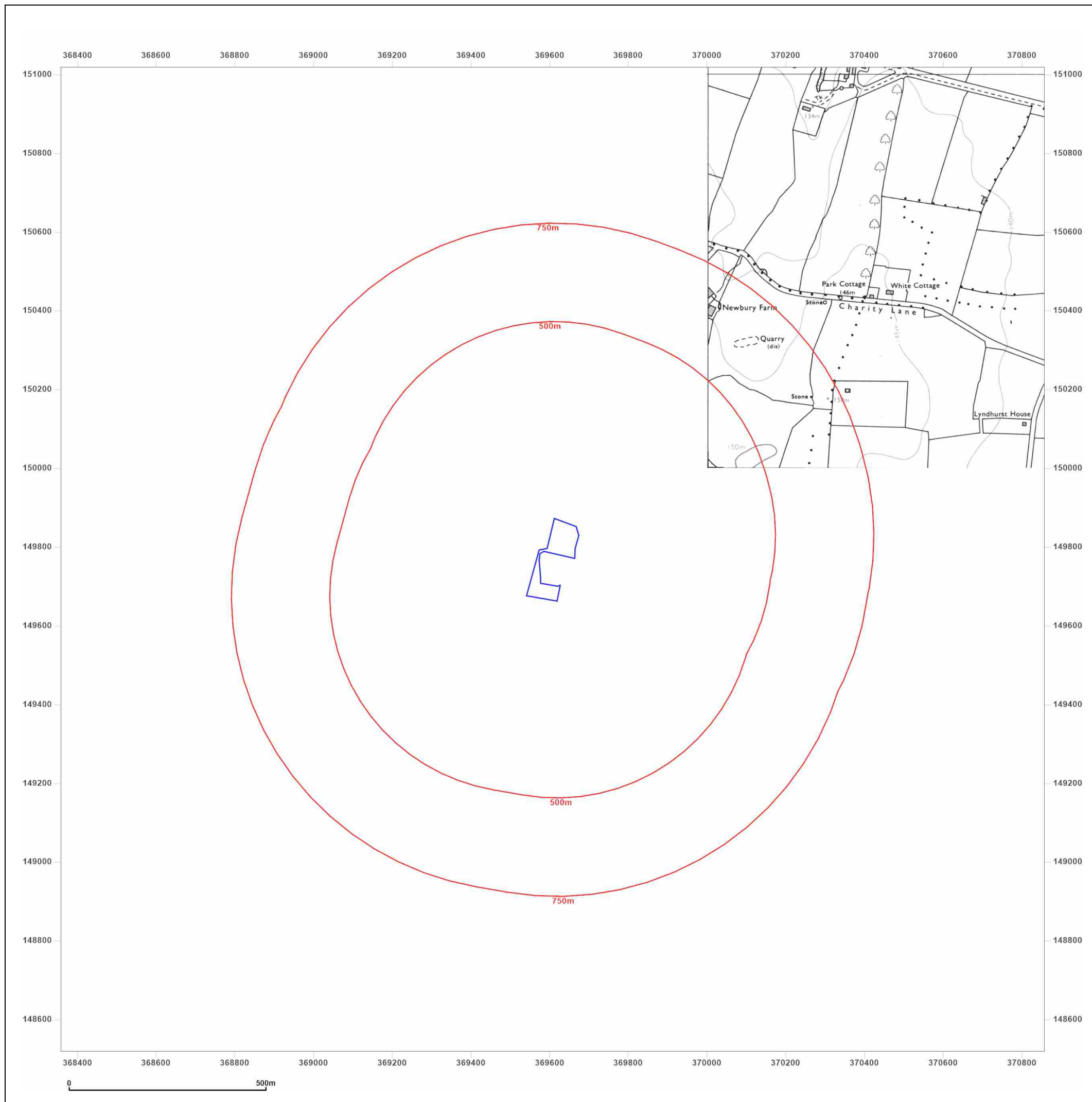
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## Site Details:

**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

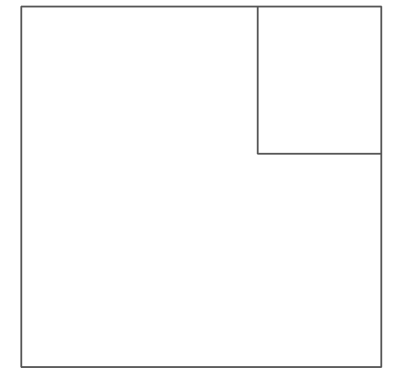
**Map date:** 1993

**Scale:** 1:10,000

**Printed at:** 1:10,000



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**Site Details:**

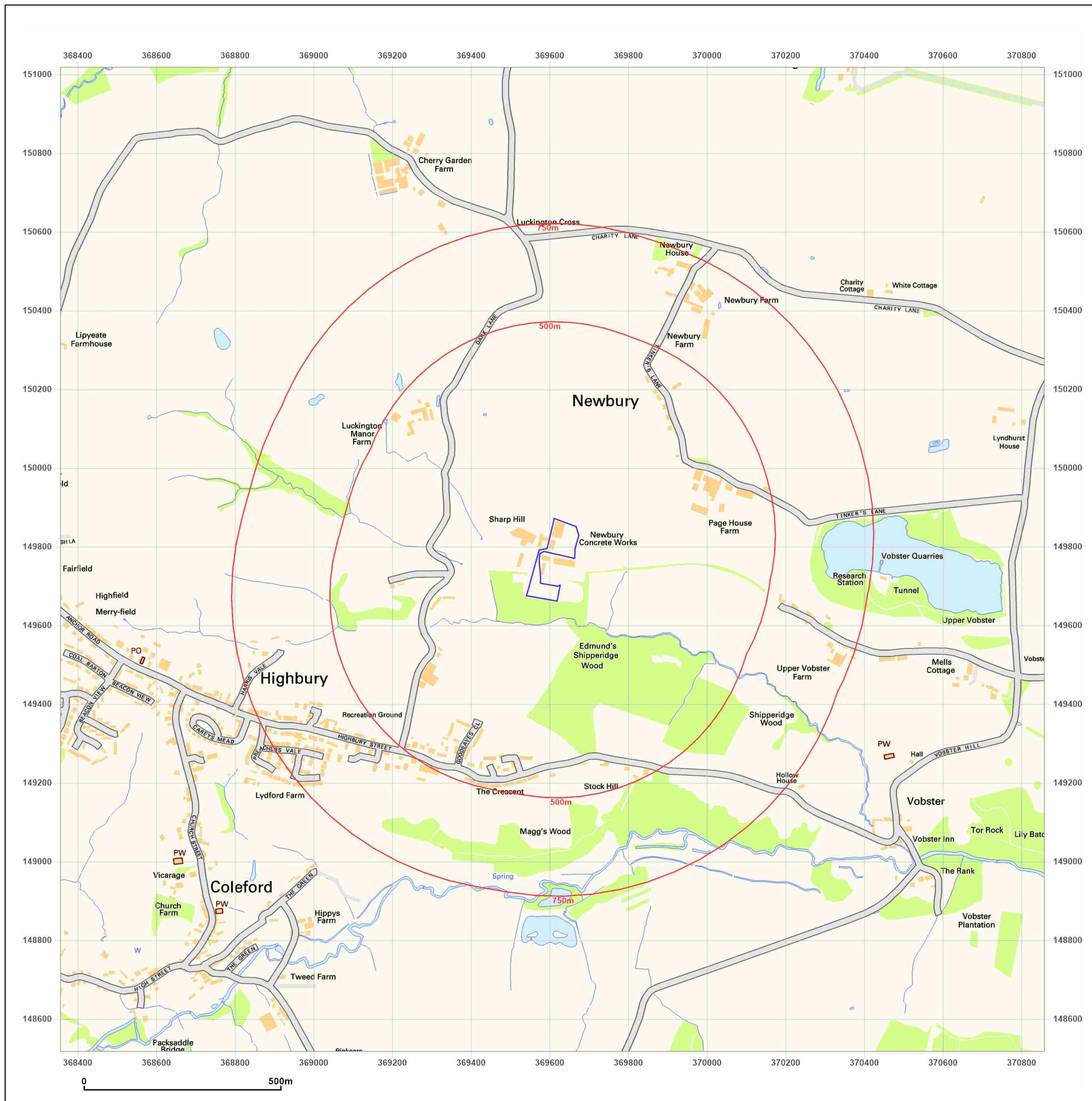
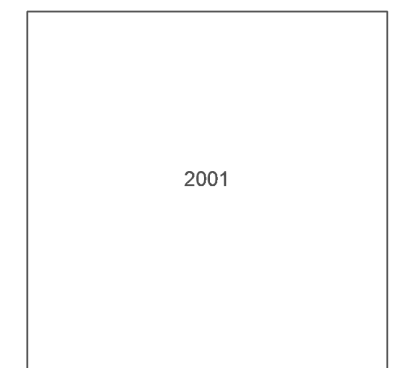
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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

**Printed at:** 1:10,000



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**Site Details:**

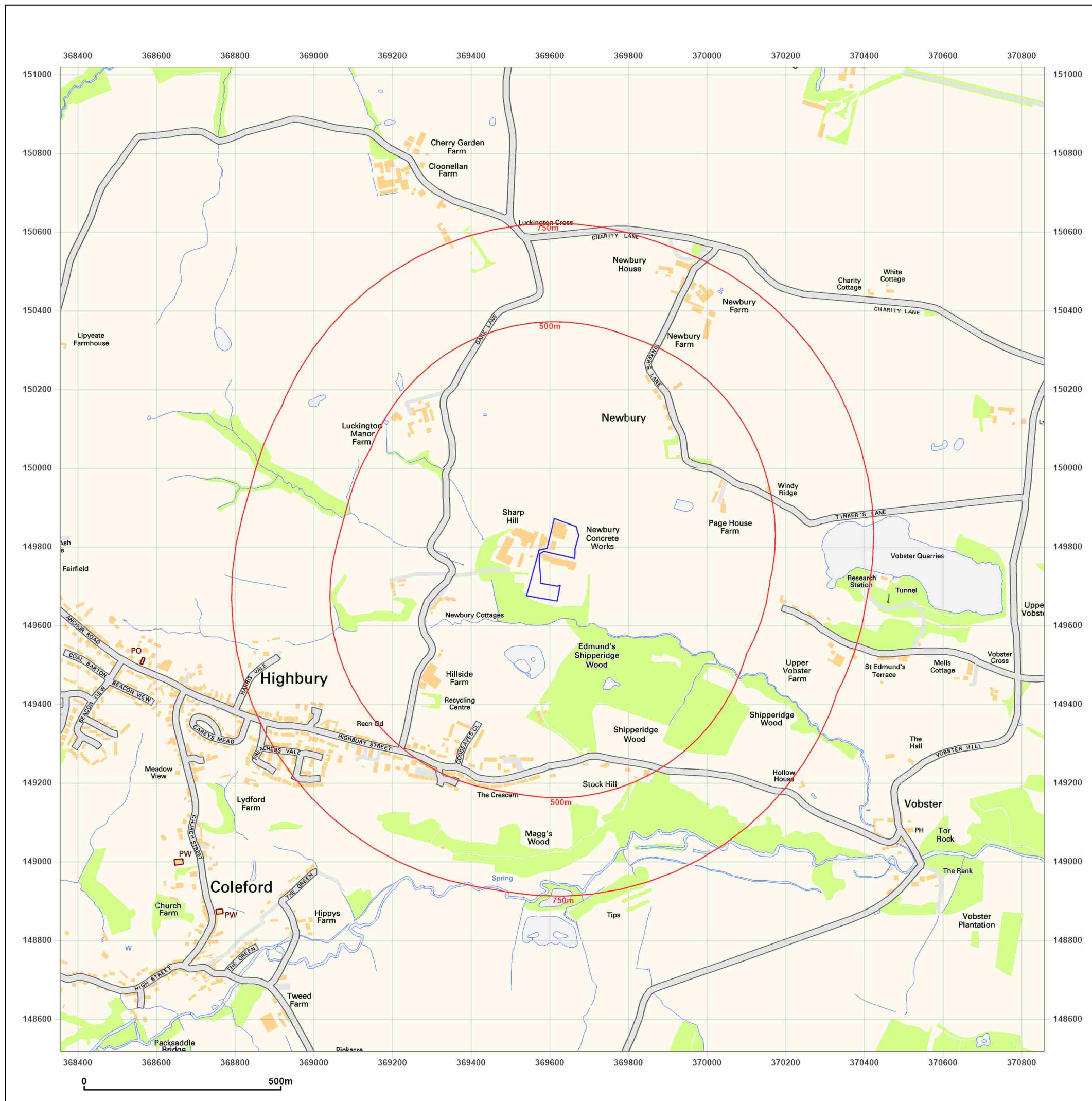
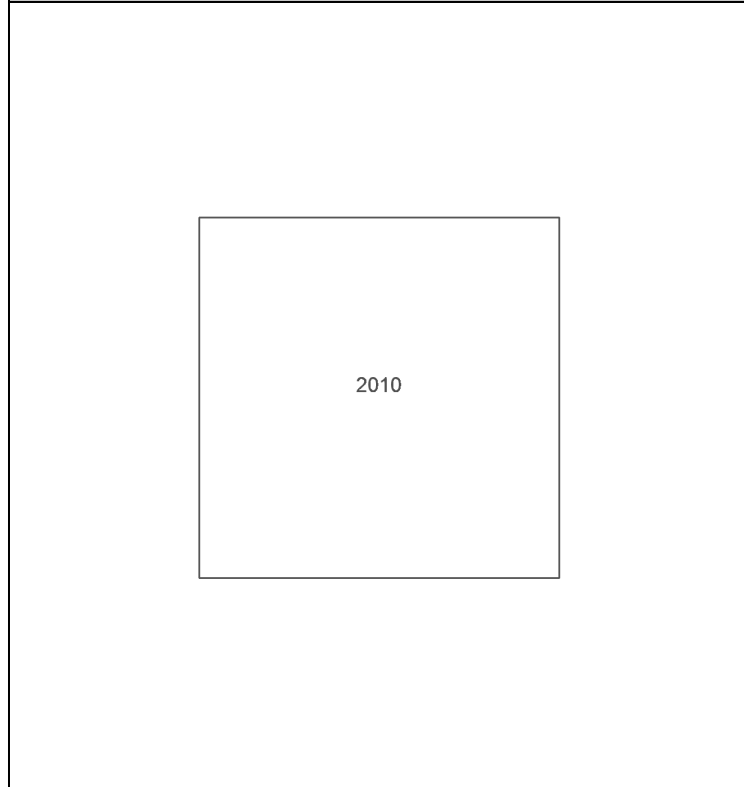
**Client Ref:** EMS\_818129\_1011958  
**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

**Printed at:** 1:10,000



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**Site Details:**

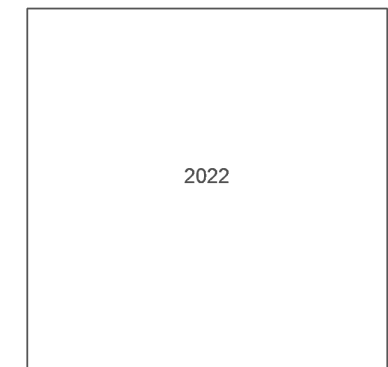
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**Report Ref:** EMS-818129\_1052054  
**Grid Ref:** 369607, 149768

**Map Name:** National Grid

**Map date:** 2022

**Scale:** 1:10,000

**Printed at:** 1:10,000



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## Order Details

**Date:** 18/10/2022  
**Your ref:** EMS\_818129\_1011958  
**Our Ref:** EMS-818129\_1052055

## Site Details

**Location:** 369610 149771  
**Area:** 0.99 ha  
**Authority:** [Mendip District Council](#)



**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.13

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08444 159 000

## Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>14</b>	<b>1.1</b>	<b><u>Historical industrial land uses</u></b>	12	2	13	24	-
<b>16</b>	<b>1.2</b>	<b><u>Historical tanks</u></b>	0	1	6	0	-
<b>17</b>	<b>1.3</b>	<b><u>Historical energy features</u></b>	0	0	0	2	-
17	1.4	Historical petrol stations	0	0	0	0	-
<b>18</b>	<b>1.5</b>	<b><u>Historical garages</u></b>	0	0	0	3	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
<b>19</b>	<b>2.1</b>	<b><u>Historical industrial land uses</u></b>	18	3	15	33	-
<b>22</b>	<b>2.2</b>	<b><u>Historical tanks</u></b>	0	1	8	0	-
<b>23</b>	<b>2.3</b>	<b><u>Historical energy features</u></b>	0	0	0	2	-
23	2.4	Historical petrol stations	0	0	0	0	-
<b>23</b>	<b>2.5</b>	<b><u>Historical garages</u></b>	0	0	0	3	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
24	3.1	Active or recent landfill	0	0	0	0	-
24	3.2	Historical landfill (BGS records)	0	0	0	0	-
25	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<b>25</b>	<b>3.4</b>	<b><u>Historical landfill (EA/NRW records)</u></b>	0	1	5	3	-
27	3.5	Historical waste sites	0	0	0	0	-
<b>27</b>	<b>3.6</b>	<b><u>Licensed waste sites</u></b>	2	0	3	6	-
<b>30</b>	<b>3.7</b>	<b><u>Waste exemptions</u></b>	4	0	4	56	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>37</b>	<b>4.1</b>	<b><u>Recent industrial land uses</u></b>	3	1	1	-	-
38	4.2	Current or recent petrol stations	0	0	0	0	-
38	4.3	Electricity cables	0	0	0	0	-
38	4.4	Gas pipelines	0	0	0	0	-
38	4.5	Sites determined as Contaminated Land	0	0	0	0	-



39	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
39	4.7	Regulated explosive sites	0	0	0	0	-
39	4.8	Hazardous substance storage/usage	0	0	0	0	-
39	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
39	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
<b>40</b>	<b>4.11</b>	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>-</b>
40	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>40</b>	<b>4.13</b>	<b><u>Licensed Discharges to controlled waters</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
41	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
41	4.15	Pollutant release to public sewer	0	0	0	0	-
41	4.16	List 1 Dangerous Substances	0	0	0	0	-
41	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>41</b>	<b>4.18</b>	<b><u>Pollution Incidents (EA/NRW)</u></b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>-</b>
42	4.19	Pollution inventory substances	0	0	0	0	-
42	4.20	Pollution inventory waste transfers	0	0	0	0	-
42	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
43	5.1	Superficial aquifer	None (within 500m)				
<b>44</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>46</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
<b>47</b>	<b>5.4</b>	<b><u>Groundwater vulnerability- soluble rock risk</u></b>	Identified (within 0m)				
47	5.5	Groundwater vulnerability- local information	None (within 0m)				
48	5.6	Groundwater abstractions	0	0	0	0	0
<b>49</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	2
49	5.8	Potable abstractions	0	0	0	0	0
50	5.9	Source Protection Zones	0	0	0	0	-
50	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
<b>51</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	0	1	8	-	-



<b>52</b>	<b>6.2</b>	<b><u>Surface water features</u></b>	0	1	7	-	-
<b>53</b>	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
<b>53</b>	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	0	0	0	-	-
<b>53</b>	<b>6.5</b>	<b><u>WFD Groundwater bodies</u></b>	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
55	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
55	7.2	Historical Flood Events	0	0	0	-	-
55	7.3	Flood Defences	0	0	0	-	-
56	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
56	7.5	Flood Storage Areas	0	0	0	-	-
57	7.6	Flood Zone 2	None (within 50m)				
57	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
<b>58</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>60</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	Negligible (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>61</b>	<b>10.1</b>	<b><u>Sites of Special Scientific Interest (SSSI)</u></b>	0	0	0	0	1
62	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
62	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
62	10.4	Special Protection Areas (SPA)	0	0	0	0	0
62	10.5	National Nature Reserves (NNR)	0	0	0	0	0
63	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
<b>63</b>	<b>10.7</b>	<b><u>Designated Ancient Woodland</u></b>	0	0	0	1	10
64	10.8	Biosphere Reserves	0	0	0	0	0
64	10.9	Forest Parks	0	0	0	0	0
64	10.10	Marine Conservation Zones	0	0	0	0	0
64	10.11	Green Belt	0	0	0	0	0
64	10.12	Proposed Ramsar sites	0	0	0	0	0



65	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
65	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
65	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>65</b>	<b>10.16</b>	<b><u>Nitrate Vulnerable Zones</u></b>	0	0	1	0	0
<b>67</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	1	-	-	-	-
<b>68</b>	<b>10.18</b>	<b><u>SSSI Units</u></b>	0	0	0	0	1

Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
69	11.1	World Heritage Sites	0	0	0	-	-
70	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
70	11.3	National Parks	0	0	0	-	-
<b>70</b>	<b>11.4</b>	<b><u>Listed Buildings</u></b>	0	1	0	-	-
71	11.5	Conservation Areas	0	0	0	-	-
71	11.6	Scheduled Ancient Monuments	0	0	0	-	-
71	11.7	Registered Parks and Gardens	0	0	0	-	-

Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>72</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	Grade 4 (within 250m)				
73	12.2	Open Access Land	0	0	0	-	-
73	12.3	Tree Felling Licences	0	0	0	-	-
<b>73</b>	<b>12.4</b>	<b><u>Environmental Stewardship Schemes</u></b>	0	0	3	-	-
<b>74</b>	<b>12.5</b>	<b><u>Countryside Stewardship Schemes</u></b>	0	1	0	-	-

Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>75</b>	<b>13.1</b>	<b><u>Priority Habitat Inventory</u></b>	1	2	3	-	-
76	13.2	Habitat Networks	0	0	0	-	-
76	13.3	Open Mosaic Habitat	0	0	0	-	-
76	13.4	Limestone Pavement Orders	0	0	0	-	-

Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>77</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	Identified (within 500m)				
79	14.2	Artificial and made ground (10k)	0	0	0	0	-
80	14.3	Superficial geology (10k)	0	0	0	0	-



80	14.4	Landslip (10k)	0	0	0	0	-
<b>81</b>	<b>14.5</b>	<b><u>Bedrock geology (10k)</u></b>	1	1	8	9	-
<b>83</b>	<b>14.6</b>	<b><u>Bedrock faults and other linear features (10k)</u></b>	1	1	7	17	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>85</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
86	15.2	Artificial and made ground (50k)	0	0	0	0	-
86	15.3	Artificial ground permeability (50k)	0	0	-	-	-
87	15.4	Superficial geology (50k)	0	0	0	0	-
87	15.5	Superficial permeability (50k)	None (within 50m)				
87	15.6	Landslip (50k)	0	0	0	0	-
87	15.7	Landslip permeability (50k)	None (within 50m)				
<b>88</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	2	1	4	2	-
<b>89</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
<b>89</b>	<b>15.10</b>	<b><u>Bedrock faults and other linear features (50k)</u></b>	2	0	2	3	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
<b>91</b>	<b>16.1</b>	<b><u>BGS Boreholes</u></b>	1	0	0	-	-
Page	Section	Natural ground subsidence					
<b>92</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Very low (within 50m)				
<b>93</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Negligible (within 50m)				
<b>94</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Negligible (within 50m)				
<b>95</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Very low (within 50m)				
<b>96</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Moderate (within 50m)				
<b>98</b>	<b>17.6</b>	<b><u>Ground dissolution of soluble rocks</u></b>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
100	18.1	Natural cavities	0	0	0	0	-
<b>101</b>	<b>18.2</b>	<b><u>BritPits</u></b>	0	0	0	1	-
<b>101</b>	<b>18.3</b>	<b><u>Surface ground workings</u></b>	11	3	19	-	-
<b>103</b>	<b>18.4</b>	<b><u>Underground workings</u></b>	4	0	2	9	8
104	18.5	Historical Mineral Planning Areas	0	0	0	0	-





<b>104</b>	<b>18.6</b>	<b><u>Non-coal mining</u></b>	0	0	0	1	2
104	18.7	Mining cavities	0	0	0	0	0
105	18.8	JPB mining areas	None (within 0m)				
<b>105</b>	<b>18.9</b>	<b><u>Coal mining</u></b>	Identified (within 0m)				
105	18.10	Brine areas	None (within 0m)				
105	18.11	Gypsum areas	None (within 0m)				
106	18.12	Tin mining	None (within 0m)				
106	18.13	Clay mining	None (within 0m)				
<b>Page</b>	<b>Section</b>	<b>Radon</b>					
<b>107</b>	<b>19.1</b>	<b><u>Radon</u></b>	Between 10% and 30% (within 0m)				
<b>Page</b>	<b>Section</b>	<b>Soil chemistry</b>	<b>On site</b>	<b>0-50m</b>	<b>50-250m</b>	<b>250-500m</b>	<b>500-2000m</b>
<b>109</b>	<b>20.1</b>	<b><u>BGS Estimated Background Soil Chemistry</u></b>	2	2	-	-	-
109	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
110	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
<b>Page</b>	<b>Section</b>	<b>Railway infrastructure and projects</b>	<b>On site</b>	<b>0-50m</b>	<b>50-250m</b>	<b>250-500m</b>	<b>500-2000m</b>
111	21.1	Underground railways (London)	0	0	0	-	-
111	21.2	Underground railways (Non-London)	0	0	0	-	-
112	21.3	Railway tunnels	0	0	0	-	-
<b>112</b>	<b>21.4</b>	<b><u>Historical railway and tunnel features</u></b>	3	0	0	-	-
112	21.5	Royal Mail tunnels	0	0	0	-	-
112	21.6	Historical railways	0	0	0	-	-
113	21.7	Railways	0	0	0	-	-
113	21.8	Crossrail 1	0	0	0	0	-
113	21.9	Crossrail 2	0	0	0	0	-
113	21.10	HS2	0	0	0	0	-



## Recent aerial photograph



Capture Date: 14/04/2020

Site Area: 0.99ha



## Recent site history - 2017 aerial photograph



Capture Date: 08/04/2017

Site Area: 0.99ha



## Recent site history - 2009 aerial photograph



Capture Date: 02/06/2009

Site Area: 0.99ha



## Recent site history - 2000 aerial photograph



Capture Date: 19/06/2000

Site Area: 0.99ha



## Recent site history - 1999 aerial photograph



Capture Date: 27/07/1999

Site Area: 0.99ha



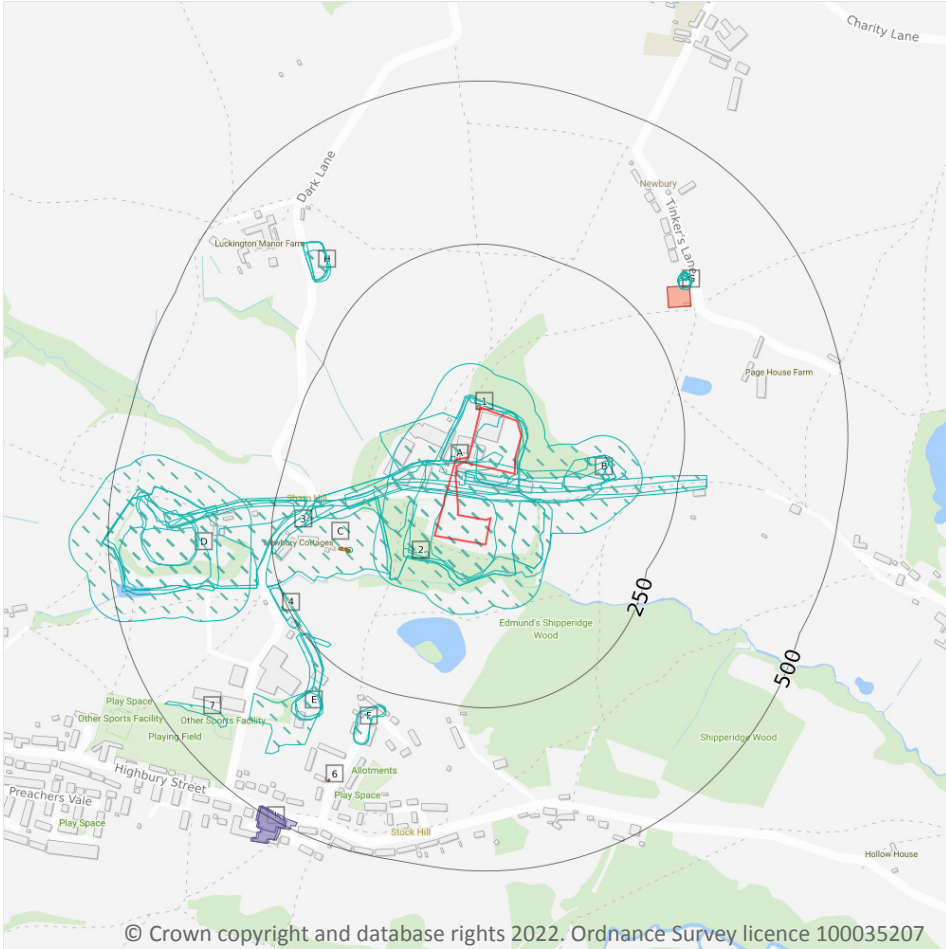
## OS MasterMap site plan



Site Area: 0.99ha



# 1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

## 1.1 Historical industrial land uses

**Records within 500m** **51**

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 1:10,560 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Old Shaft	1932	1164185





ID	Location	Land use	Dates present	Group ID
A	On site	Disused Colliery	1932	1174303
A	On site	Unspecified Works	1958	1179330
A	On site	Unspecified Mine	1958	1187519
A	On site	Concrete Works	1973	1189270
A	On site	Railway Sidings	1884	1196771
A	On site	Colliery	1884	1200306
A	On site	Railway Sidings	1902 - 1932	1200578
A	On site	Refuse Heap	1902 - 1932	1203336
A	On site	Refuse Heap	1902 - 1932	1239213
A	On site	Unspecified Heap	1884	1254651
A	On site	Colliery	1884 - 1902	1264122
A	7m S	Coke Ovens	1884	1215993
2	27m SW	Unspecified Ground Workings	1902	1161499
B	75m E	Refuse Heap	1902	1178579
B	76m E	Unspecified Heap	1884	1163491
C	77m W	Sewage Works	1973	1167540
B	106m E	Unspecified Ground Workings	1932 - 1958	1246178
C	128m W	Unspecified Tank	1973	1176628
3	161m W	Unspecified Pit	1884	1186872
D	202m W	Unspecified Disused Mine	1958	1166850
D	204m W	Disused Colliery	1932	1174302
D	218m W	Refuse Heap	1932	1269773
E	230m SW	Unspecified Ground Workings	1932 - 1958	1251495
4	245m SW	Unspecified Ground Workings	1932	1191205
E	245m SW	Unspecified Ground Workings	1884	1197157
E	248m SW	Unspecified Pit	1884 - 1932	1241003
F	272m S	Unspecified Heaps	1958	1179638
F	274m S	Unspecified Heap	1932	1163492



ID	Location	Land use	Dates present	Group ID
D	281m W	Colliery	1884	1271951
5	303m SW	Refuse Heap	1973	1178577
H	306m NW	Unspecified Quarry	1884	1249339
H	311m NW	Unspecified Pit	1961 - 1971	1236179
H	314m NW	Unspecified Old Quarry	1902	1181283
H	314m NW	Unspecified Pit	1932	1204081
G	322m NE	Unspecified Heap	1884	1214138
G	323m NE	Old Coal Pit	1884	1229824
G	323m NE	Old Coal Pit	1902 - 1932	1235601
G	324m NE	Unspecified Heap	1961 - 1971	1216682
G	324m NE	Unspecified Heap	1987	1232347
D	333m W	Colliery	1884 - 1902	1204269
D	334m W	Tramway Sidings	1902	1173592
G	334m NE	Unspecified Disused Shaft	1961 - 1971	1246976
G	334m NE	Unspecified Disused Shaft	1987	1254474
G	339m NE	Old Coal Pit	1884	1272163
G	339m NE	Unspecified Old Shaft	1932	1164184
G	339m NE	Unspecified Shaft	1902	1168103
D	346m W	Refuse Heap	1902	1266038
D	362m W	Unspecified Heap	1884	1163494
D	364m W	Unspecified Ground Workings	1884 - 1902	1256218
7	426m SW	Unspecified Heap	1958	1163493

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.2 Historical tanks

**Records within 500m**

**7**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or



succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
1	1m W	Unspecified Tank	1997	176464
C	131m W	Unspecified Tanks	1971	178008
C	133m W	Unspecified Tank	1997	176463
C	135m W	Tanks	1987 - 1992	187927
C	135m W	Unspecified Tanks	1971	178007
C	139m W	Tanks	1987 - 1992	182545
C	142m W	Unspecified Tanks	1971	178005

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.3 Historical energy features

<b>Records within 500m</b>	<b>2</b>
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Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
G	290m NE	Electricity Substation	1988	98951
6	407m SW	Electricity Substation	1997	98950

*This data is sourced from Ordnance Survey / Groundsure.*

### 1.4 Historical petrol stations

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original un-



grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.5 Historical garages

**Records within 500m**

**3**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original ungrouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use map on **page 14**

ID	Location	Land use	Dates present	Group ID
I	487m SW	Garage	1992	32736
I	491m SW	Garage	1987	33669
I	492m SW	Garage	1997	33697

*This data is sourced from Ordnance Survey / Groundsure.*

## 1.6 Historical military land

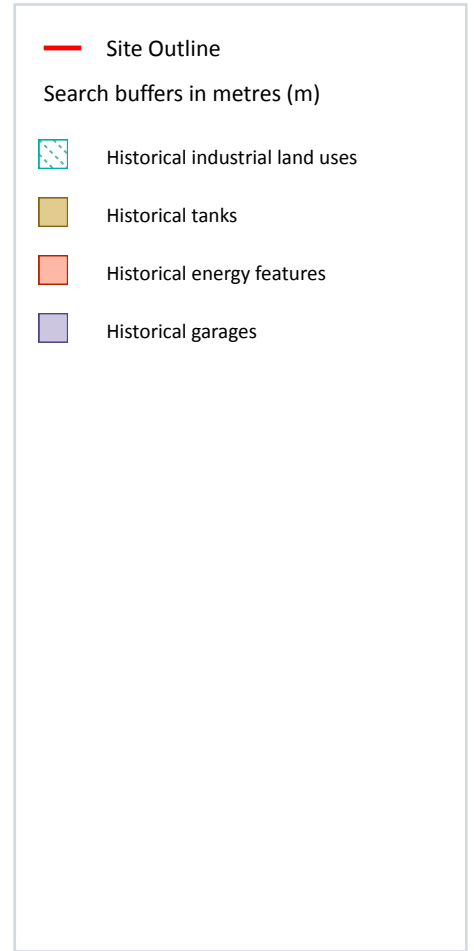
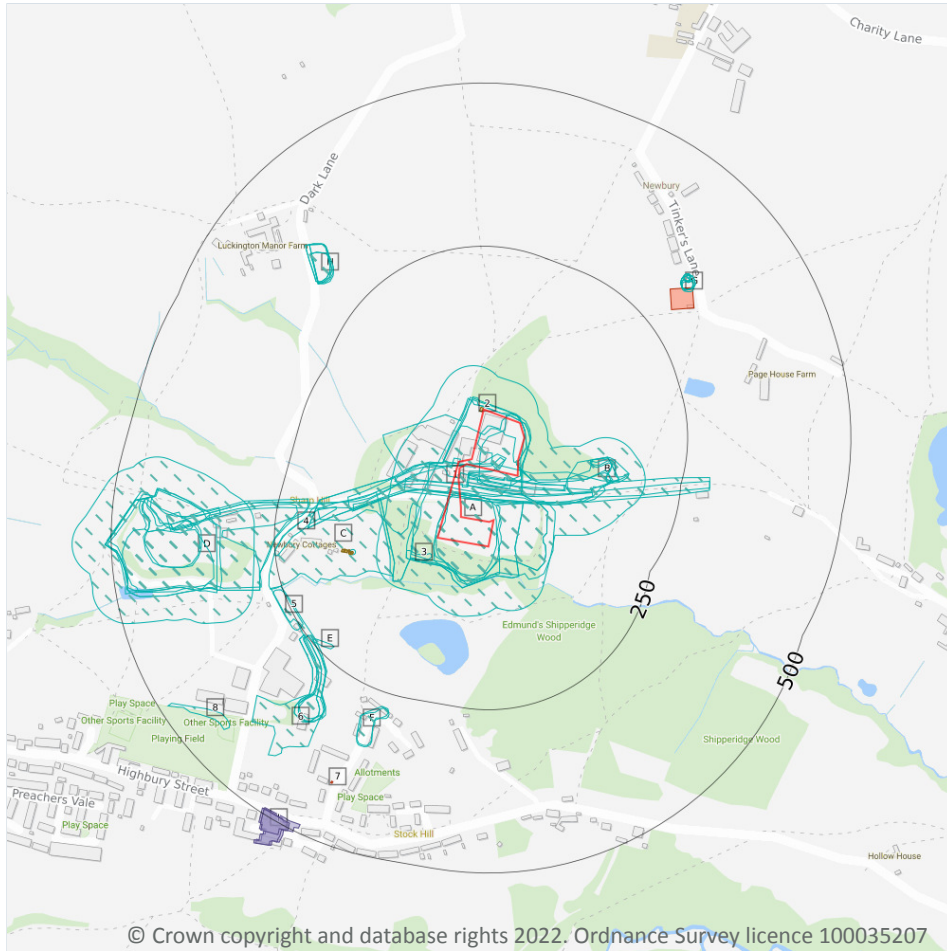
**Records within 500m**

**0**

Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

*This data is sourced from Ordnance Survey / Groundsure / other sources.*

## 2 Past land use - un-grouped



### 2.1 Historical industrial land uses

Records within 500m

69

Potentially contaminative land use features digitised from historical Ordnance Survey mapping at 1:10,000 and 10,560 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
1	On site	Railway Sidings	1884	1196771
A	On site	Disused Colliery	1932	1174303
A	On site	Refuse Heap	1932	1239213

ID	Location	Land Use	Date	Group ID
A	On site	Refuse Heap	1932	1203336
A	On site	Unspecified Old Shaft	1932	1164185
A	On site	Colliery	1902	1264122
A	On site	Refuse Heap	1902	1239213
A	On site	Refuse Heap	1902	1203336
A	On site	Unspecified Heap	1884	1254651
A	On site	Railway Sidings	1932	1200578
A	On site	Railway Sidings	1902	1200578
A	On site	Railway Sidings	1884	1196771
A	On site	Colliery	1884	1200306
A	On site	Unspecified Heap	1884	1254651
A	On site	Colliery	1884	1264122
A	On site	Concrete Works	1973	1189270
A	On site	Unspecified Works	1958	1179330
A	On site	Unspecified Mine	1958	1187519
A	7m S	Coke Ovens	1884	1215993
A	8m S	Coke Ovens	1884	1215993
3	27m SW	Unspecified Ground Workings	1902	1161499
B	75m E	Refuse Heap	1902	1178579
B	76m E	Unspecified Heap	1884	1163491
C	77m W	Sewage Works	1973	1167540
B	106m E	Unspecified Ground Workings	1958	1246178
B	108m E	Unspecified Ground Workings	1932	1246178
C	128m W	Unspecified Tank	1973	1176628
4	161m W	Unspecified Pit	1884	1186872
D	202m W	Unspecified Disused Mine	1958	1166850
D	204m W	Disused Colliery	1932	1174302
D	218m W	Refuse Heap	1932	1269773



ID	Location	Land Use	Date	Group ID
E	230m SW	Unspecified Ground Workings	1932	1251495
E	242m SW	Unspecified Ground Workings	1958	1251495
5	245m SW	Unspecified Ground Workings	1932	1191205
E	245m SW	Unspecified Ground Workings	1884	1197157
E	248m SW	Unspecified Pit	1884	1241003
E	253m SW	Unspecified Pit	1932	1241003
E	253m SW	Unspecified Pit	1902	1241003
F	272m S	Unspecified Heaps	1958	1179638
F	274m S	Unspecified Heap	1932	1163492
D	281m W	Colliery	1884	1271951
6	303m SW	Refuse Heap	1973	1178577
H	306m NW	Unspecified Quarry	1884	1249339
H	309m NW	Unspecified Quarry	1884	1249339
H	311m NW	Unspecified Pit	1971	1236179
H	311m NW	Unspecified Pit	1961	1236179
H	314m NW	Unspecified Pit	1932	1204081
H	314m NW	Unspecified Old Quarry	1902	1181283
G	322m NE	Unspecified Heap	1884	1214138
G	323m NE	Old Coal Pit	1932	1235601
G	323m NE	Old Coal Pit	1902	1235601
G	323m NE	Old Coal Pit	1884	1229824
G	324m NE	Unspecified Heap	1971	1216682
G	324m NE	Unspecified Heap	1987	1232347
G	324m NE	Unspecified Heap	1961	1216682
D	333m W	Colliery	1884	1204269
D	334m W	Tramway Sidings	1902	1173592
G	334m NE	Unspecified Disused Shaft	1971	1246976
G	334m NE	Unspecified Disused Shaft	1987	1254474



ID	Location	Land Use	Date	Group ID
G	334m NE	Unspecified Disused Shaft	1961	1246976
D	339m W	Colliery	1902	1204269
G	339m NE	Old Coal Pit	1884	1272163
G	339m NE	Unspecified Shaft	1902	1168103
G	339m NE	Unspecified Old Shaft	1932	1164184
D	346m W	Refuse Heap	1902	1266038
D	362m W	Unspecified Heap	1884	1163494
D	364m W	Unspecified Ground Workings	1884	1256218
D	376m W	Unspecified Ground Workings	1902	1256218
8	426m SW	Unspecified Heap	1958	1163493

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.2 Historical tanks

### Records within 500m

9

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
2	1m W	Unspecified Tank	1997	176464
C	131m W	Unspecified Tanks	1971	178008
C	133m W	Unspecified Tank	1997	176463
C	135m W	Tanks	1987	187927
C	135m W	Tanks	1992	187927
C	135m W	Unspecified Tanks	1971	178007
C	139m W	Tanks	1987	182545
C	139m W	Tanks	1992	182545
C	142m W	Unspecified Tanks	1971	178005

*This data is sourced from Ordnance Survey / Groundsure.*





## 2.3 Historical energy features

**Records within 500m**

**2**

Energy features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
G	290m NE	Electricity Substation	1988	98951
7	407m SW	Electricity Substation	1997	98950

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.4 Historical petrol stations

**Records within 500m**

**0**

Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

*This data is sourced from Ordnance Survey / Groundsure.*

## 2.5 Historical garages

**Records within 500m**

**3**

Garages digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. Any records shown are available intelligently grouped in section 1. Grouped and the original un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

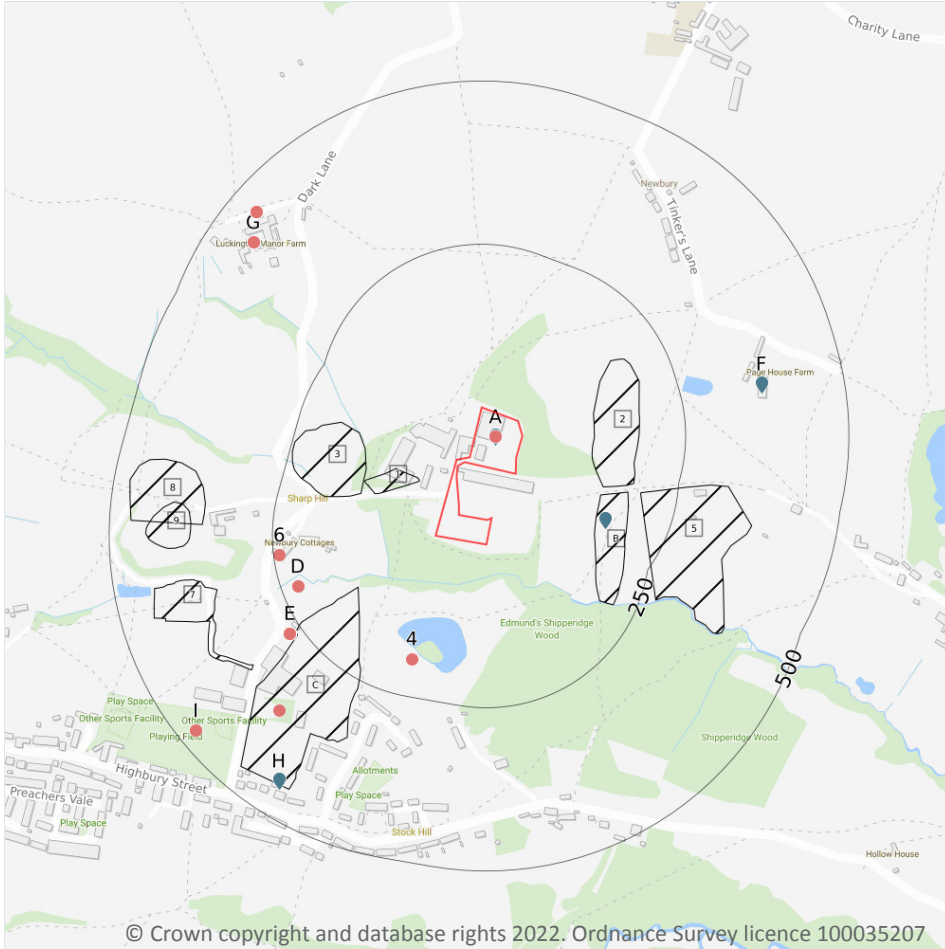
Features are displayed on the Past land use - un-grouped map on **page 19**

ID	Location	Land Use	Date	Group ID
I	487m SW	Garage	1992	32736
I	491m SW	Garage	1987	33669
I	492m SW	Garage	1997	33697

*This data is sourced from Ordnance Survey / Groundsure.*



### 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical landfill (EA/NRW)
- Licensed waste sites
- Waste exemptions

#### 3.1 Active or recent landfill

**Records within 500m** **0**

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 3.2 Historical landfill (BGS records)

**Records within 500m** **0**

Landfill sites identified on a survey carried out on behalf of the DoE in 1973. These sites may have been closed or operational at this time.

*This data is sourced from the British Geological Survey.*

### 3.3 Historical landfill (LA/mapping records)

<b>Records within 500m</b>	<b>0</b>
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Landfill sites identified from Local Authority records and high detail historical mapping.

*This data is sourced from the Ordnance Survey/Groundsure and Local Authority records.*

### 3.4 Historical landfill (EA/NRW records)

<b>Records within 500m</b>	<b>9</b>
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Known historical (closed) landfill sites (e.g. sites where there is no PPC permit or waste management licence currently in force). This includes sites that existed before the waste licensing regime and sites that have been licensed in the past but where a licence has been revoked, ceased to exist or surrendered and a certificate of completion has been issued.

Features are displayed on the Waste and landfill map on **page 24**

ID	Location	Details		
1	46m W	Site Address: Newbury Concrete Works, Coleford, Radstock, Avon Licence Holder Address: Newbury Works, Coleford, Somerset	Waste Licence: Yes Site Reference: WDL/068/KD, DH/LCC/W19/P Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 14/12/1979 Licence Surrender: 12/02/1993	Operator: - Licence Holder: Reconstructed Bath Stone Limited First Recorded 14/12/1979 Last Recorded: 31/12/1985
2	108m E	Site Address: Page House Farm A, Newbury, Frome, Somerset Licence Holder Address: Green Street, Ston Easton, Bath, Avon	Waste Licence: Yes Site Reference: WDL/271 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 29/09/1989 Licence Surrender: 19/03/1991	Operator: - Licence Holder: RM Penny (Plant Hire) Limited First Recorded 31/12/1970 Last Recorded: 30/12/1989
3	127m W	Site Address: Near Concrete Works Area C, Dark Lane, Coleford Licence Holder Address: -	Waste Licence: - Site Reference: US 205 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: E M Ham Licence Holder: - First Recorded - Last Recorded: -

ID	Location	Details		
B	134m E	Site Address: Page House Farm B, Newbury, Frome, Somerset Licence Holder Address: -	Waste Licence: Yes Site Reference: WDL/271 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: EM1/L/PEN271 Licence Issue: 29/09/1989 Licence Surrender: 19/03/1991	Operator: - Licence Holder: R M Penny (Plant Hire) Limited First Recorded 31/12/1985 Last Recorded: 31/12/1989
C	142m SW	Site Address: Dark Lane, Highbury, Coleford Licence Holder Address: -	Waste Licence: - Site Reference: WDL/002 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1950 Last Recorded: 31/12/1976
5	193m E	Site Address: Page House Farm Landfill Site, Page House Farm, Frome, Newbury, Somerset Licence Holder Address: Green Street, Bath, Ston Easton, Avon	Waste Licence: Yes Site Reference: - Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: DOR/L/PEN100 Licence Issue: 15/01/1999 Licence Surrender: 28/08/2008	Operator: R M Penny ( Plant Hire) Ltd Licence Holder: R M Penny ( Plant Hire) Ltd First Recorded - Last Recorded: -
7	342m SW	Site Address: Newbury, Coleford Licence Holder Address: The Bungalow, Lower Newbury, Coleford, Bath	Waste Licence: Yes Site Reference: WDL/235, 107804 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 08/06/1990 Licence Surrender: 30/06/1991	Operator: - Licence Holder: R F and R J Phillips First Recorded 30/04/1989 Last Recorded: 30/06/1990
8	355m W	Site Address: Land at Coleford Area B, Coleford Licence Holder Address: -	Waste Licence: - Site Reference: US 204 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Beazer CH Holdings Licence Holder: Somerset District Council First Recorded 31/12/1974 Last Recorded: 03/12/1982
9	375m W	Site Address: Makintosh Batch, Newbury Licence Holder Address: -	Waste Licence: - Site Reference: US 250, WR/US/2 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: - First Recorded - Last Recorded: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*



### 3.5 Historical waste sites

Records within 500m

0

Waste site records derived from Local Authority planning records and high detail historical mapping.

*This data is sourced from Ordnance Survey/Groundsure and Local Authority records.*

### 3.6 Licensed waste sites

Records within 500m

11

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.

Features are displayed on the Waste and landfill map on **page 24**

ID	Location	Details		
A	On site	<b>Site Name:</b> Newbury Works <b>Site Address:</b> Newbury Works, Coleford, Radstock, Somerset, BA3 5RX <b>Correspondence Address:</b> -	<b>Type of Site:</b> 75kte HCI Waste TS + treatment <b>Size:</b> 25000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> JWW001 <b>EPR reference:</b> EA/EPR/EB3607KW/V003 <b>Operator:</b> J W Waste Recycling Limited <b>Waste Management licence No:</b> 403670 <b>Annual Tonnage:</b> 74999	<b>Issue Date:</b> 02/03/2017 <b>Effective Date:</b> - <b>Modified:</b> 26/06/2018 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Modified
A	On site	<b>Site Name:</b> Newbury Works <b>Site Address:</b> Newbury Works, Coleford, Radstock, Somerset, BA3 5RX <b>Correspondence Address:</b> -	<b>Type of Site:</b> 75kte HCI Waste TS + treatment <b>Size:</b> >= 25000 tonnes 75000 tonnes <b>Environmental Permitting Regulations (Waste) Licence Number:</b> JWW001 <b>EPR reference:</b> EA/EPR/EB3607KW/V003 <b>Operator:</b> J W Waste Recycling Limited <b>Waste Management licence No:</b> 403670 <b>Annual Tonnage:</b> 74999	<b>Issue Date:</b> 02/03/2017 <b>Effective Date:</b> - <b>Modified:</b> 26/06/2018 <b>Surrendered Date:</b> - <b>Expiry Date:</b> - <b>Cancelled Date:</b> - <b>Status:</b> Modified



ID	Location	Details		
B	154m SE	Site Name: Page House Farm Landfill Site Site Address: Page House Farm, Page House Farm, Newbury, Coleford, BA11 3RG Correspondence Address: Green Street, Green Street, Ston Easton, Bath, Avon, BA3 4BY	Type of Site: Landfill taking Non-Biodegradable Wastes Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PEN271 EPR reference: - Operator: R M Penny ( Plant Hire) Ltd Waste Management licence No: 27101 Annual Tonnage: 25000	Issue Date: 24/01/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	154m SE	Site Name: Page House Farm Landfill Site Site Address: Page House Farm, Page House Farm, Newbury, Coleford, BA11 3RG Correspondence Address: Green Street, Green Street, Ston Easton, Bath, Avon, BA3 4BY	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PEN271 EPR reference: - Operator: R M Penny ( Plant Hire) Ltd Waste Management licence No: 27101 Annual Tonnage: 25000	Issue Date: 24/01/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
B	154m SE	Site Name: Page House Farm Landfill Site Site Address: Page House Farm, Page House Farm, Newbury, Coleford, Gloucestershire, BA11 3RG Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PEN271 EPR reference: EA/EPR/NP3490FV/S001 Operator: R M Penny ( Plant Hire ) Ltd Waste Management licence No: 27101 Annual Tonnage: 0	Issue Date: 24/01/1992 Effective Date: - Modified: - Surrendered Date: Sep 18 2009 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
F	373m E	Site Name: Page House Farm Landfill Site Site Address: Page House Farm, Page House Farm, Newbury, Frome, Somerset, BA11 3RG Correspondence Address: Green Street, Green Street, Ston Easton, Bath, Avon, BA3 5DR	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PEN100 EPR reference: - Operator: R M Penny ( Plant Hire ) Ltd Waste Management licence No: 26005 Annual Tonnage: 24000	Issue Date: 15/01/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
F	373m E	Site Name: Page House Farm Landfill Site Site Address: Page House Farm, Page House Farm, Newbury, Frome, Somerset, BA11 3RG Correspondence Address: -	Type of Site: Landfill taking Non-Biodegradable Wastes Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PEN100 EPR reference: EA/EPR/AP3099SS/S001 Operator: R M Penny ( Plant Hire ) Ltd Waste Management licence No: 26005 Annual Tonnage: 0	Issue Date: 15/01/1999 Effective Date: - Modified: - Surrendered Date: Aug 28 2008 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
H	446m SW	Site Name: Coleford Waste Recycling Centre Site Address: - Correspondence Address: Chiltern House, Chiltern House, 15/17, Silver Street, Taunton, Somerset, TA1 3DH	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WYV123 EPR reference: - Operator: Wyvern Waste Services Ltd Waste Management licence No: 27074 Annual Tonnage: 5000	Issue Date: 25/08/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
H	446m SW	Site Name: Coleford Waste Recycling Centre Site Address: - Correspondence Address: Chiltern House, County Hall, Taunton, Somerset, TA1 4DY	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WYV123 EPR reference: - Operator: Somerset County Council Waste Management licence No: 27074 Annual Tonnage: 5000	Issue Date: 25/08/1992 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
H	446m SW	Site Name: Coleford Community Recycling Site Site Address: Coleford Waste Recycling Centre, Land/ Premises At, Newbury Road, Coleford, Somerset, BA3 5RU Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WYV123 EPR reference: EA/EPR/FP3790FN/S002 Operator: Somerset County Council Waste Management licence No: 27074 Annual Tonnage: 157500	Issue Date: 25/08/1992 Effective Date: - Modified: - Surrendered Date: Apr 23 2014 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
H	446m SW	Site Name: Coleford Community Recycling Site Site Address: Coleford Waste Recycling Centre, Land/ Premises At, Newbury Road, Coleford, Somerset, BA3 5RU Correspondence Address: -	Type of Site: Household Waste Amenity Site Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WYV123 EPR reference: EA/EPR/FP3790FN/S002 Operator: Somerset County Council Waste Management licence No: 27074 Annual Tonnage: 157500	Issue Date: 25/08/1992 Effective Date: - Modified: - Surrendered Date: Apr 23 2014 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 3.7 Waste exemptions

**Records within 500m**

**64**

Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 24**





ID	Location	Site	Reference	Category	Sub-Category	Description
A	On site	-	WEX008167	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	On site	-	WEX008167	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	On site	-	WEX008167	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	On site	-	WEX008167	Using waste exemption	Not on a farm	Use of waste in construction
4	193m S	Land At ST 69504 49487 Edmunds Shipperidge Coleford BA3 5RR	EPR/NE5289Q D/A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
D	226m W	Coleford HWRC, Newbury Lane, Coleford, BA3 5RU	WEX086180	Storing waste exemption	Not on a farm	Storage of waste in a secure place
D	226m W	Coleford HWRC Coleford BA3 5RU	EPR/ME5087D J/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
6	242m W	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/SE5945NP /A001	Using waste exemption	Non-Agricultural Waste Only	Use of waste in construction
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX199195	Disposing of waste exemption	On a Farm	Burning waste in the open
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX199195	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX199195	Using waste exemption	On a Farm	Use of waste for a specified purpose
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX199195	Using waste exemption	On a Farm	Burning of waste as a fuel in a small appliance
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX199195	Using waste exemption	On a Farm	Use of baled end-of-life tyres in construction
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX199195	Using waste exemption	On a Farm	Use of waste in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX281913	Using waste exemption	On a Farm	Spreading waste on agricultural land to confer benefit
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX281913	Using waste exemption	On a Farm	Use of waste for a specified purpose
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX281913	Using waste exemption	On a Farm	Use of baled end-of-life tyres in construction
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX281913	Using waste exemption	On a Farm	Use of waste in construction
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX141533	Using waste exemption	On a farm	Use of waste for a specified purpose
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX141533	Using waste exemption	On a farm	Use of waste in construction
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX141533	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	270m SW	HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX141533	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction
E	270m SW	NEWBURY COTTAGES, HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX039211	Disposing of waste exemption	On a farm	Burning waste in the open
E	270m SW	NEWBURY COTTAGES, HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX039211	Using waste exemption	On a farm	Use of waste in construction
E	270m SW	NEWBURY COTTAGES, HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX039211	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
E	270m SW	NEWBURY COTTAGES, HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX039211	Using waste exemption	On a farm	Use of baled end-of-life tyres in construction



ID	Location	Site	Reference	Category	Sub-Category	Description
E	270m SW	NEWBURY COTTAGES, HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX039211	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
E	270m SW	NEWBURY COTTAGES, HILLSIDE FARM, COLEFORD, RADSTOCK, BA3 5RU	WEX039211	Using waste exemption	On a farm	Use of waste for a specified purpose
E	270m SW	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/GE5581LJ /A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
E	270m SW	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/GE5581LJ /A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
E	270m SW	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/GE5581LJ /A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
E	270m SW	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/GE5581LJ /A001	Using waste exemption	Agricultural Waste Only	Use of baled end-of-life tyres in construction
E	270m SW	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/GE5581LJ /A001	Using waste exemption	Agricultural Waste Only	Burning of waste as a fuel in a small appliance
E	270m SW	Hillside Farm Newbury Cottages RADSTOCK BA3 5RU	EPR/GE5581LJ /A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose
C	360m SW	Coleford Community Recycling Site Newbury Lane Coleford Somerset BA3 5RU	EPR/PH0611Y V/A001	Storing waste exemption	Non- Agricultural Waste Only	Storage of waste in a secure place
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/KF0436FD /A001	Disposing of waste exemption	Agricultural Waste Only	Deposit of waste from dredging of inland waters
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/KF0436FD /A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/KF0436FD /A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in secure containers
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/KF0436FD /A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/KF0436FD /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Disposal by incineration
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Burning waste in the open
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in secure containers
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Storing waste exemption	Both agricultural and non-agricultural waste	Storage of waste in a secure place
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Using waste exemption	Both agricultural and non-agricultural waste	Spreading waste on agricultural land to confer benefit
G	432m NW	Luckington Farm FROME Somerset BA11 3RQ	EPR/TF0936FE /A001	Using waste exemption	Both agricultural and non-agricultural waste	Incorporation of ash into soil
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Disposing of waste exemption	On a farm	Disposal by incineration
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Disposing of waste exemption	On a farm	Burning waste in the open
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Storing waste exemption	On a farm	Storage of waste in secure containers
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Storing waste exemption	On a farm	Storage of waste in a secure place
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Treating waste exemption	On a farm	Treatment of non-hazardous pesticide washings by carbon filtration for disposal
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Treating waste exemption	On a farm	Screening and blending of waste
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising

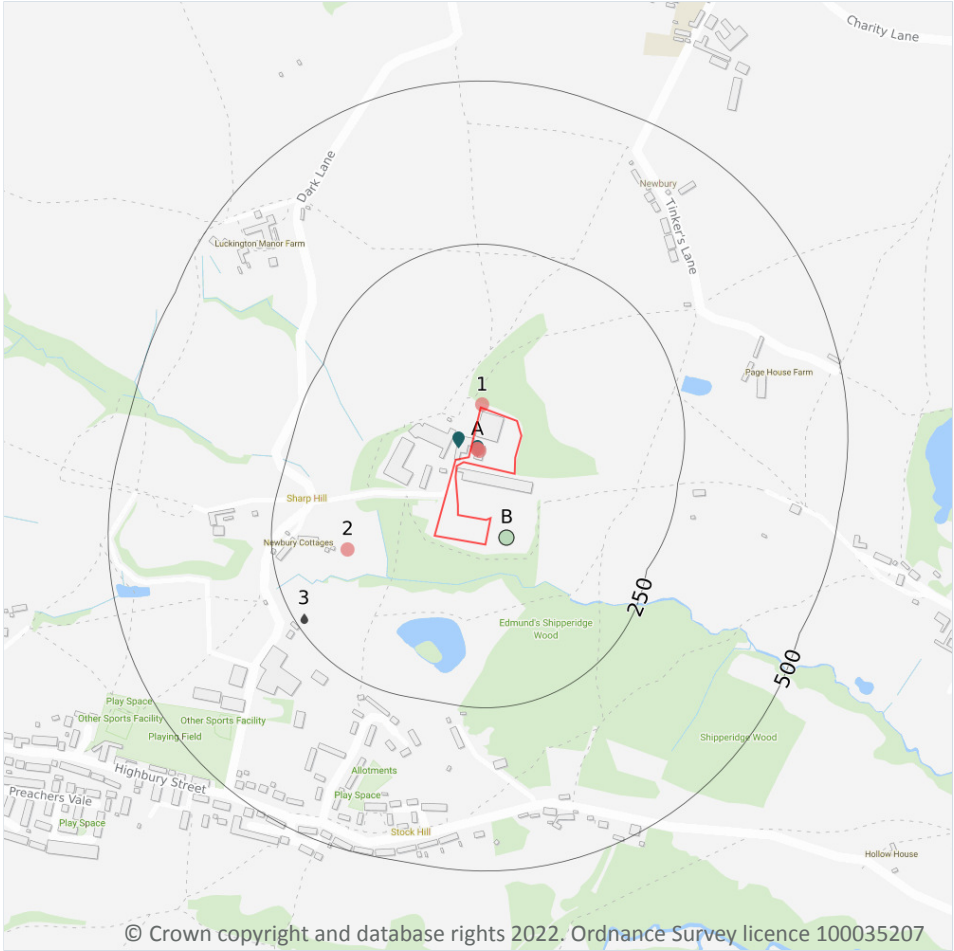


ID	Location	Site	Reference	Category	Sub-Category	Description
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Using waste exemption	On a farm	Use of waste in construction
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
G	457m NW	Luckington farm, Newbury, Frome somerset, BA11 3RQ	WEX127800	Using waste exemption	On a farm	Incorporation of ash into soil
I	474m SW	-	WEX106362	Using waste exemption	Not on a farm	Use of waste in construction
I	474m SW	-	WEX106355	Using waste exemption	Not on a farm	Use of waste in the construction of entertainment or educational installations etc

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

### 4.1 Recent industrial land uses

**Records within 250m** 5

Current potentially contaminative industrial sites.  
Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Company	Address	Activity	Category
A	On site	J Witt Waste Recycling	Unit 5 Newbury Works, Newbury Hill, Coleford, Frome, Somerset, BA3 5RX	Recycling, Reclamation and Disposal	Recycling Services
A	On site	J W Waste	Unit 5 Newbury Works, Newbury Hill, Coleford, Frome, Somerset, BA3 5RX	Waste Storage, Processing and Disposal	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
<b>A</b>	<b>On site</b>	<b>Vobster Cast Stone</b>	<b>Unit 1 Newbury Works, Coleford, Radstock, Somerset, BA3 5RX</b>	<b>Construction Completion Services</b>	<b>Construction Services</b>
1	5m N	Tank	Somerset, BA3	Tanks (Generic)	Industrial Features
2	135m W	Sewage Works	Somerset, BA3	Waste Storage, Processing and Disposal	Infrastructure and Facilities

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

**Records within 500m** **0**

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

**Records within 500m** **0**

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

**Records within 500m** **0**

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

**Records within 500m** **0**

Contaminated Land Register of sites designated under Part 2a of the Environmental Protection Act 1990.

*This data is sourced from Local Authority records.*



## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

Control of Major Accident Hazards (COMAH) sites. This data includes upper and lower tier sites, and includes a historical archive of COMAH sites and Notification of Installations Handling Hazardous Substances (NIHHS) records.

*This data is sourced from the Health and Safety Executive.*

## 4.7 Regulated explosive sites

Records within 500m

0

Sites registered and licensed by the Health and Safety Executive under the Manufacture and Storage of Explosives Regulations 2005 (MSER). The last update to this data was in April 2011.

*This data is sourced from the Health and Safety Executive.*

## 4.8 Hazardous substance storage/usage

Records within 500m

0

Consents granted for a site to hold certain quantities of hazardous substances at or above defined limits in accordance with the Planning (Hazardous Substances) Regulations 2015.

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

Integrated Pollution Control (IPC) records of substance releases to air, land and water. This data represents a historical archive as the IPC regime has been superseded.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 4.11 Licensed pollutant release (Part A(2)/B)

Records within 500m

2

Records of Part A(2) and Part B installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Address	Details	
A	On site	Rebastone (Aggregate Ind.), Newbury Works, Coleford, Radstock, Somerset, BA3 5RX	Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
A	21m W	Vobster Cast Stone, Newbury Works, Coleford, Radstock, Somerset, BA3 5RY	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

*This data is sourced from Local Authority records.*

## 4.12 Radioactive Substance Authorisations

Records within 500m

0

Records of the storage, use, accumulation and disposal of radioactive substances regulated under the Radioactive Substances Act 1993.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 4.13 Licensed Discharges to controlled waters

Records within 500m

1

Discharges of treated or untreated effluent to controlled waters under the Water Resources Act 1991.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Address	Details	
3	237m SW	COLEFORD HOUSEHOLD WASTE RECYCLING, CENTRE, NEWBURY ROAD, COLEFORD, SOMERSET	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 101264 Permit Version: 1 Receiving Water: TRIB OF THE MELLS STREAM	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 25/10/2000 Effective Date: 04/09/2000 Revocation Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*



#### 4.14 Pollutant release to surface waters (Red List)

Records within 500m	0
---------------------	---

Discharges of specified substances under the Environmental Protection (Prescribed Processes and Substances) Regulations 1991.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.15 Pollutant release to public sewer

Records within 500m	0
---------------------	---

Discharges of Special Category Effluents to the public sewer.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.16 List 1 Dangerous Substances

Records within 500m	0
---------------------	---

Discharges of substances identified on List I of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.17 List 2 Dangerous Substances

Records within 500m	0
---------------------	---

Discharges of substances identified on List II of European Directive E 2006/11/EC, and regulated under the Environmental Damage (Prevention and Remediation) Regulations 2015.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

#### 4.18 Pollution Incidents (EA/NRW)

Records within 500m	2
---------------------	---

Records of substantiated pollution incidents. Since 2006 this data has only included category 1 (major) and 2 (significant) pollution incidents.

Features are displayed on the Current industrial land use map on **page 37**

ID	Location	Details	
B	30m E	Incident Date: 17/01/2017 Incident Identification: 1496149 Pollutant: Specific Waste Materials Pollutant Description: Commercial Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)
B	30m E	Incident Date: 17/01/2017 Incident Identification: 1496149 Pollutant: Specific Waste Materials Pollutant Description: Contaminated Construction & Demolition Mat & Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 2 (Significant) Air Impact: Category 4 (No Impact)

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 4.19 Pollution inventory substances

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

### 4.20 Pollution inventory waste transfers

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (waste transfers) includes reporting on annual transfers and recovery/disposal of controlled wastes from a site. A reporting threshold for each waste type is also included. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

### 4.21 Pollution inventory radioactive waste

<b>Records within 500m</b>	<b>0</b>
----------------------------	----------

The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

*This data is sourced from the Environment Agency and the Scottish Environment Protection Agency.*

## 5 Hydrogeology - Superficial aquifer

### 5.1 Superficial aquifer

Records within 500m

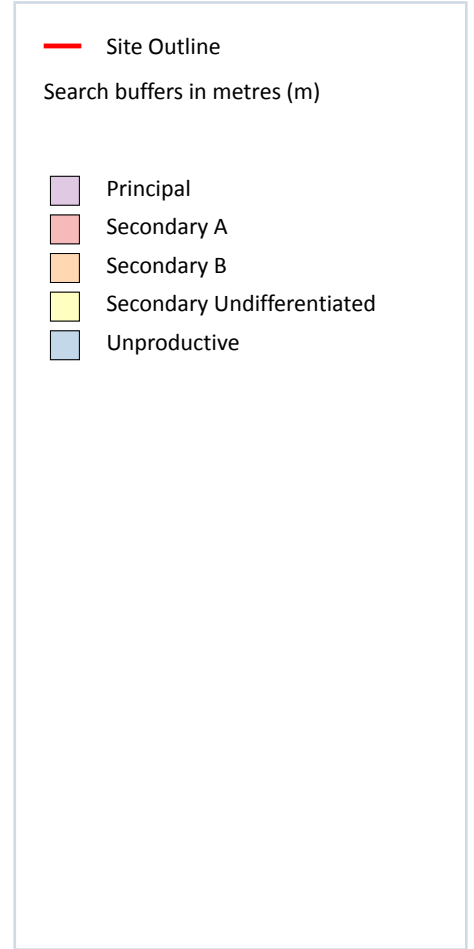
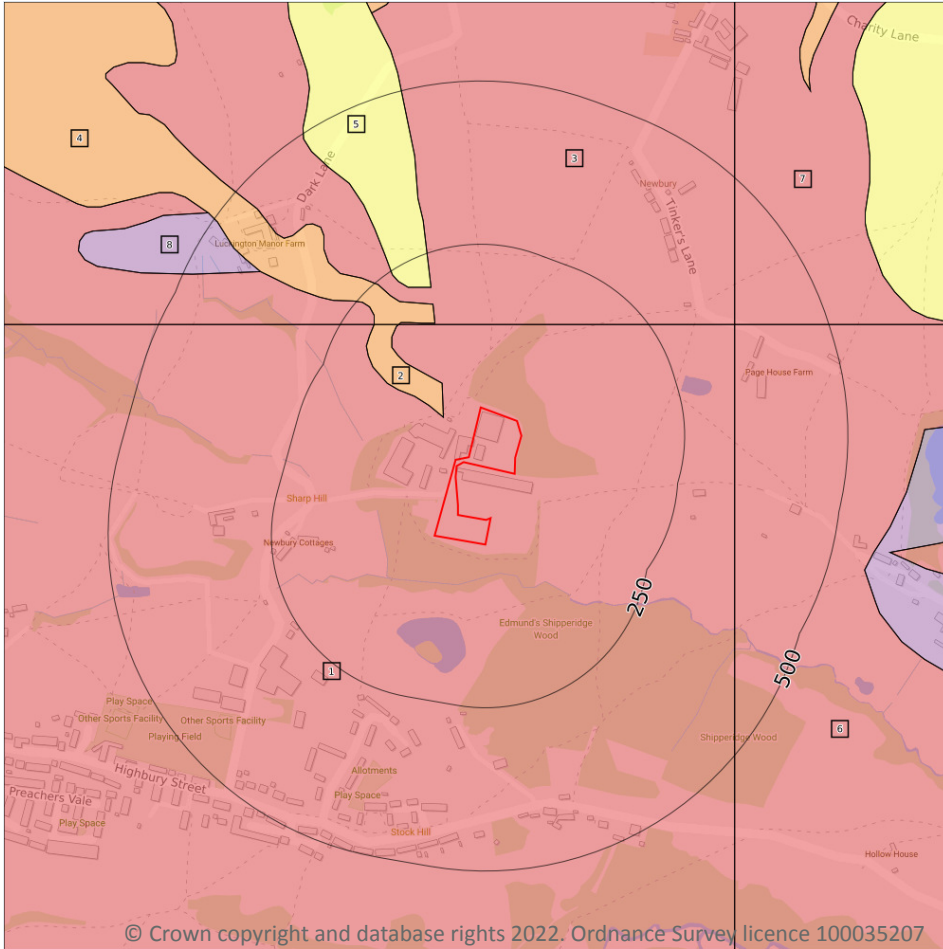
0

Aquifer status of groundwater held within superficial geology.

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

8

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 44**

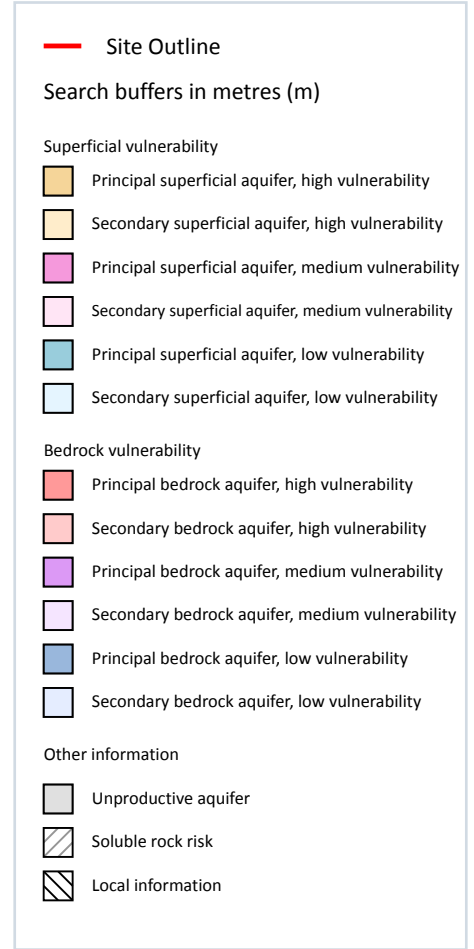
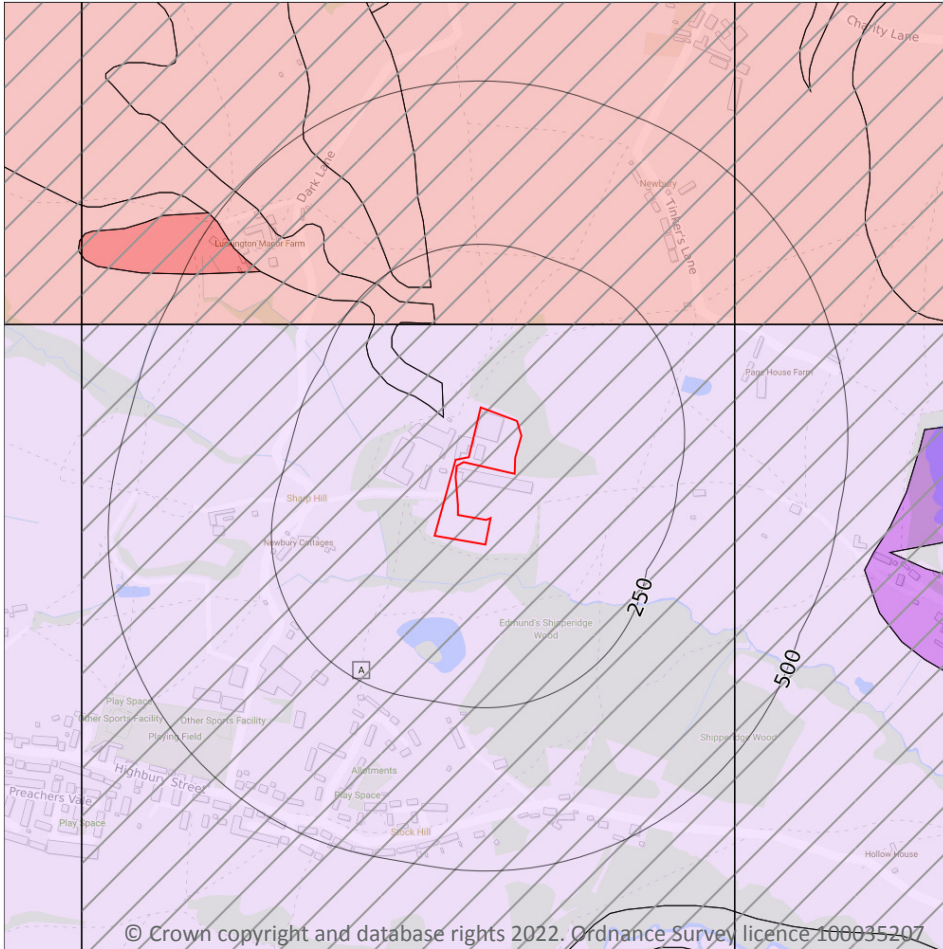
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	52m W	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers

ID	Location	Designation	Description
3	127m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	147m NW	Secondary B	Predominantly lower permeability layers which may store/yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering. These are generally the water-bearing parts of the former non-aquifers
5	199m NW	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
6	327m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
7	365m NE	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
8	396m NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*



## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

1

An assessment of the vulnerability of groundwater to a pollutant discharged at ground level based on the hydrological, geological, hydrogeological and soil properties within a one kilometre square grid. Groundwater vulnerability is described as High, Medium or Low as follows:

- High - Areas able to easily transmit pollution to groundwater. They are likely to be characterised by high leaching soils and the absence of low permeability superficial deposits.
- Medium - Intermediate between high and low vulnerability.
- Low - Areas that provide the greatest protection from pollution. They are likely to be characterised by low leaching soils and/or the presence of superficial deposits characterised by a low permeability.

Features are displayed on the Groundwater vulnerability map on **page 46**





ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	On site	<b>Summary Classification:</b> Secondary bedrock aquifer - Medium Vulnerability <b>Combined classification:</b> Productive Bedrock Aquifer, No Superficial Aquifer	<b>Leaching class:</b> Low <b>Infiltration value:</b> <40% <b>Dilution value:</b> >550mm/year	<b>Vulnerability:</b> - <b>Aquifer type:</b> - <b>Thickness:</b> <3m <b>Patchiness value:</b> <90% <b>Recharge potential:</b> No Data	<b>Vulnerability:</b> Medium <b>Aquifer type:</b> Secondary <b>Flow mechanism:</b> Well connected fractures

*This data is sourced from the British Geological Survey, the Environment Agency and Natural Resources Wales.*

## 5.4 Groundwater vulnerability- soluble rock risk

<b>Records on site</b>	<b>1</b>
------------------------	----------

This dataset identifies areas where solution features that enable rapid movement of a pollutant may be present within a 1km grid square.

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	<b>Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.</b>	<b>0.0%</b>

*This data is sourced from the British Geological Survey and the Environment Agency.*

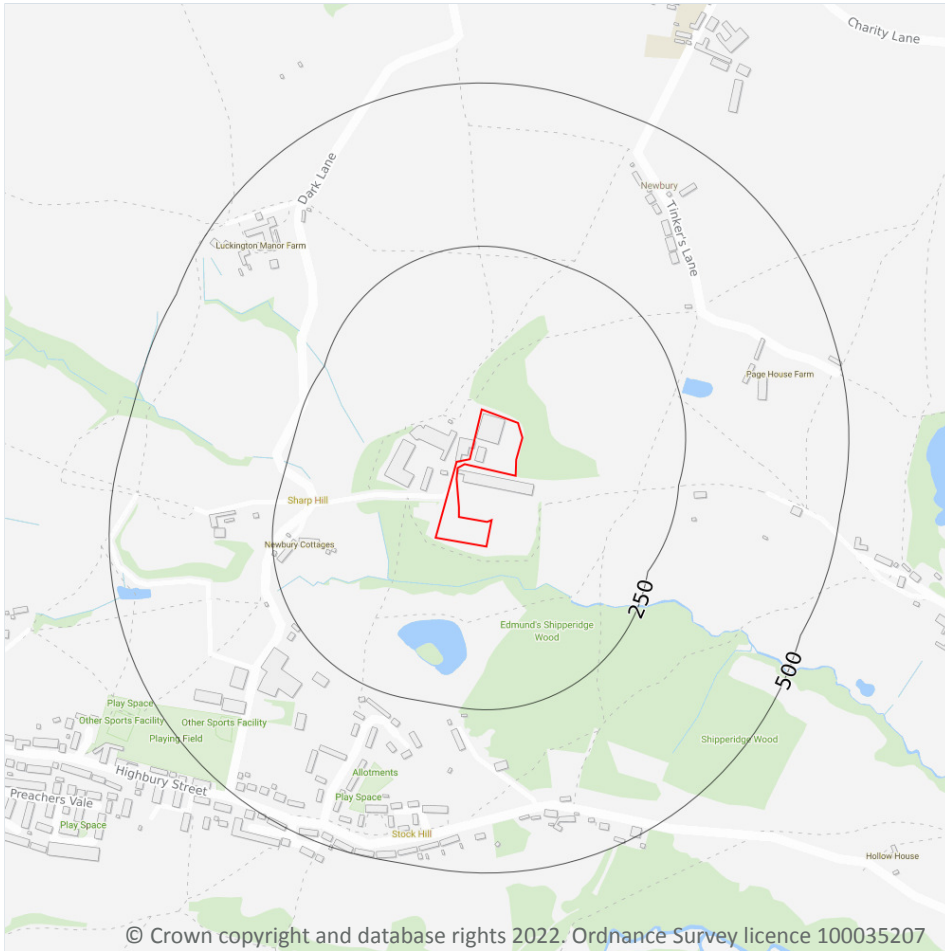
## 5.5 Groundwater vulnerability- local information

<b>Records on site</b>	<b>0</b>
------------------------	----------

This dataset identifies areas where additional local information affecting vulnerability is held by the Environment Agency. Further information can be obtained by contacting the Environment Agency local Area groundwater team through the Environment Agency National Customer Call Centre on 03798 506 506 or by email on enquiries@environment-agency.gov.uk.

*This data is sourced from the British Geological Survey and the Environment Agency.*

## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

0

Licensed groundwater abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, between two points (line data) or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.7 Surface water abstractions

Records within 2000m

2

Licensed surface water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on **page 48**

ID	Location	Details	
-	1937m SE	Status: Active Licence No: 17/53/012/S/064 Details: Spray Irrigation - Direct Direct Source: Surface Water - Fresh Point: MELLS PARK LAKE Data Type: Line Name: The Trustees Of The Mells Park Trust Easting: 371440 Northing: 149000	Annual Volume (m <sup>3</sup> ): 10,000 Max Daily Volume (m <sup>3</sup> ): 27.40 Original Application No: - Original Start Date: 10/03/1966 Expiry Date: - Issue No: 103 Version Start Date: 04/08/2008 Version End Date: -
-	1992m SE	Status: Historical Licence No: 17/53/012/S/064 Details: Spray Irrigation - Direct Direct Source: Surface Water - Fresh Point: MELLS LAKE Data Type: Point Name: A R C (Southern) Ltd Easting: 371500 Northing: 149000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 10/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 10/03/1966 Version End Date: -

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.8 Potable abstractions

Records within 2000m

0

Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 5.9 Source Protection Zones

Records within 500m

0

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 5.10 Source Protection Zones (confined aquifer)

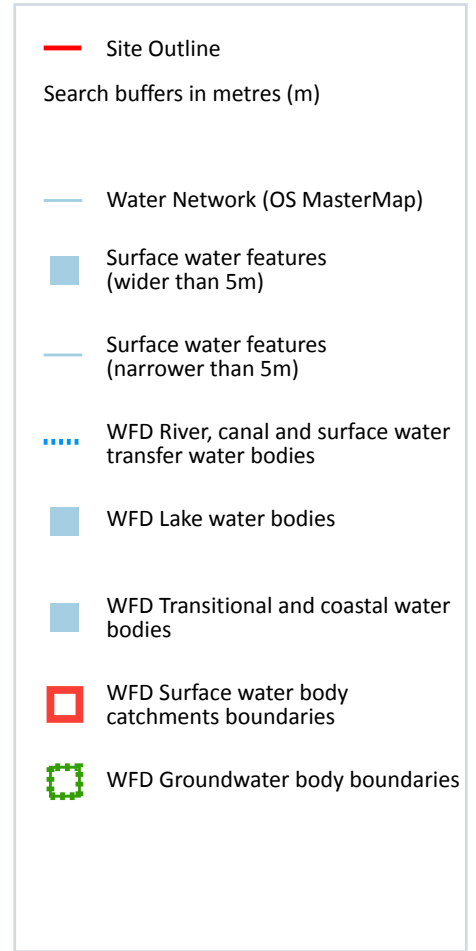
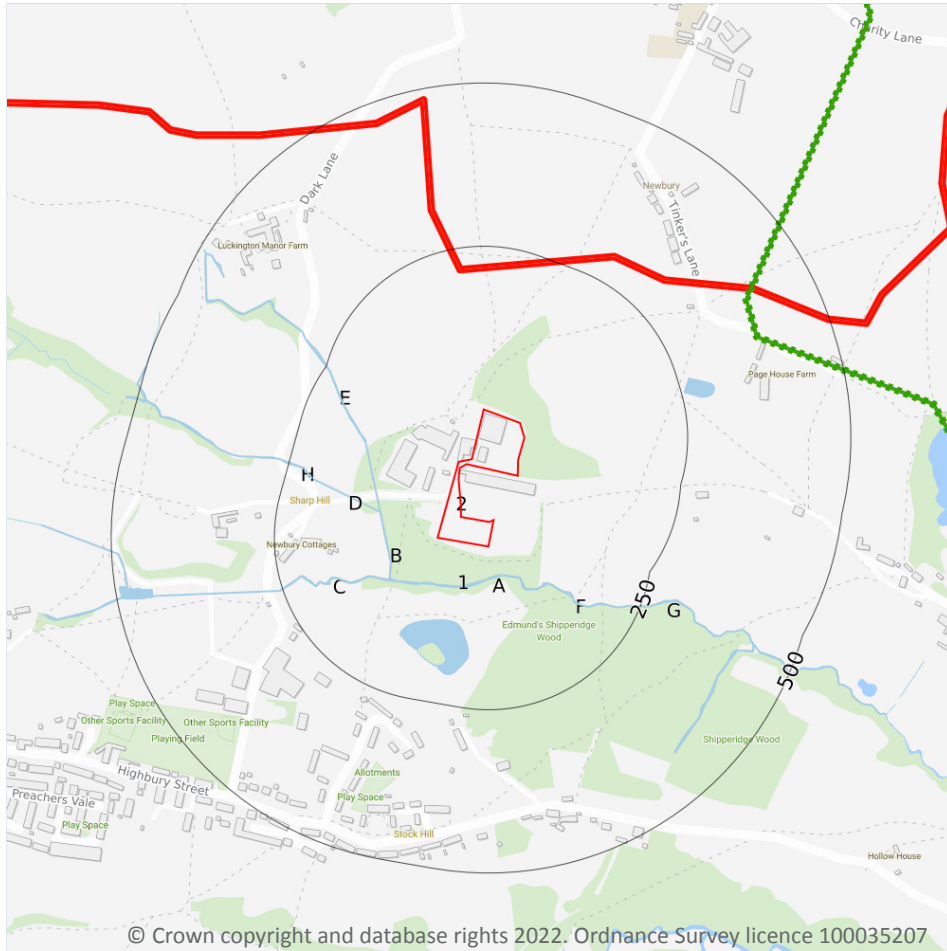
Records within 500m

0

Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 6 Hydrology



### 6.1 Water Network (OS MasterMap)

Records within 250m

9

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

Features are displayed on the Hydrology map on **page 51**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	46m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	77m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	93m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	95m W	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
D	95m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	145m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	151m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	154m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	209m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

**Records within 250m**

**8**

Covering rivers, streams and lakes (some overlap with OS MasterMap Water Network data in previous section) but additionally covers smaller features such as ponds. Rivers and streams narrower than 5m are represented as a single line. Lakes, ponds and rivers or streams wider than 5m are represented as polygons.

Features are displayed on the Hydrology map on **page 51**

*This data is sourced from the Ordnance Survey.*



### 6.3 WFD Surface water body catchments

<b>Records on site</b>	<b>1</b>
------------------------	----------

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 51**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Mells source to conf with Somerset Frome	GB109053022020	Avon Bristol Rural	Avon Bristol and Somerset Nort

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 6.4 WFD Surface water bodies

<b>Records identified</b>	<b>1</b>
---------------------------	----------

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on **page 51**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	624m S	River	Mells source to conf with Somerset Frome	<a href="#">GB109053022020</a>	Moderate	Fail	Moderate	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 6.5 WFD Groundwater bodies

<b>Records on site</b>	<b>1</b>
------------------------	----------

Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on **page 51**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Bristol Triassic	<u>GB40902G804800</u>	Good	Good	Good	2019

*This data is sourced from the Environment Agency and Natural Resources Wales.*





## 7 River and coastal flooding

### 7.1 Risk of flooding from rivers and the sea

Records within 50m

0

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m within the Risk of Flooding from Rivers and Sea (RoFRaS)/Flood Risk Assessment Wales (FRAW) models. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition. The risk categories for RoFRaS for rivers and the sea and FRAW for rivers are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 100 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 100 chance) or High (greater than or equal to 1 in 30 chance). The risk categories for FRAW for the sea are; Very low (less than 1 in 1000 chance in any given year), Low (less than 1 in 200 but greater than or equal to 1 in 1000 chance), Medium (less than 1 in 30 but greater than or equal to 1 in 200 chance) or High (greater than or equal to 1 in 30 chance).

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.2 Historical Flood Events

Records within 250m

0

Records of historic flooding from rivers, the sea, groundwater and surface water. Records began in 1946 when predecessor bodies started collecting detailed information about flooding incidents, although limited details may be included on flooding incidents prior to this date. Takes into account the presence of defences, structures, and other infrastructure where they existed at the time of flooding, and includes flood extents that may have been affected by overtopping, breaches or blockages.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.3 Flood Defences

Records within 250m

0

Records of flood defences owned, managed or inspected by the Environment Agency and Natural Resources Wales. Flood defences can be structures, buildings or parts of buildings. Typically these are earth banks, stone and concrete walls, or sheet-piling that is used to prevent or control the extent of flooding.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

Areas that would benefit from the presence of flood defences in a 1 in 100 (1%) chance of flooding each year from rivers or 1 in 200 (0.5%) chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

## 7.5 Flood Storage Areas

Records within 250m

0

Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land between Flood Zone 3 (see next section) and the extent of the flooding from rivers or the sea with a 1 in 1000 (0.1%) chance of flooding each year.

*This data is sourced from the Environment Agency and Natural Resources Wales.*

### 7.7 Flood Zone 3

Records within 50m

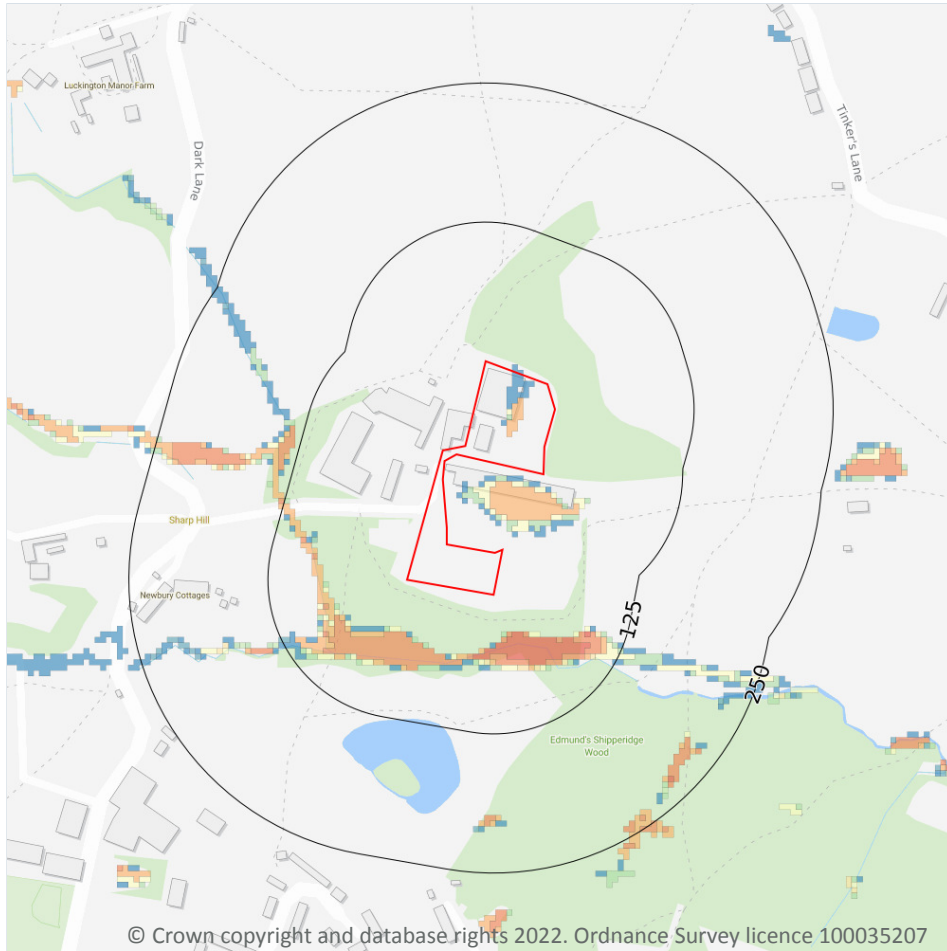
0

Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

*This data is sourced from the Environment Agency and Natural Resources Wales.*



## 8 Surface water flooding



### 8.1 Surface water flooding

**Highest risk on site**

**1 in 30 year, 0.1m - 0.3m**

**Highest risk within 50m**

**1 in 30 year, Greater than 1.0m**

Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year rainfall events. Modern urban drainage systems are typically built to cope with rainfall events between 1 in 20 and 1 in 30 years, though some older ones may flood in a 1 in 5 year rainfall event.

Features are displayed on the Surface water flooding map on **page 58**

The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

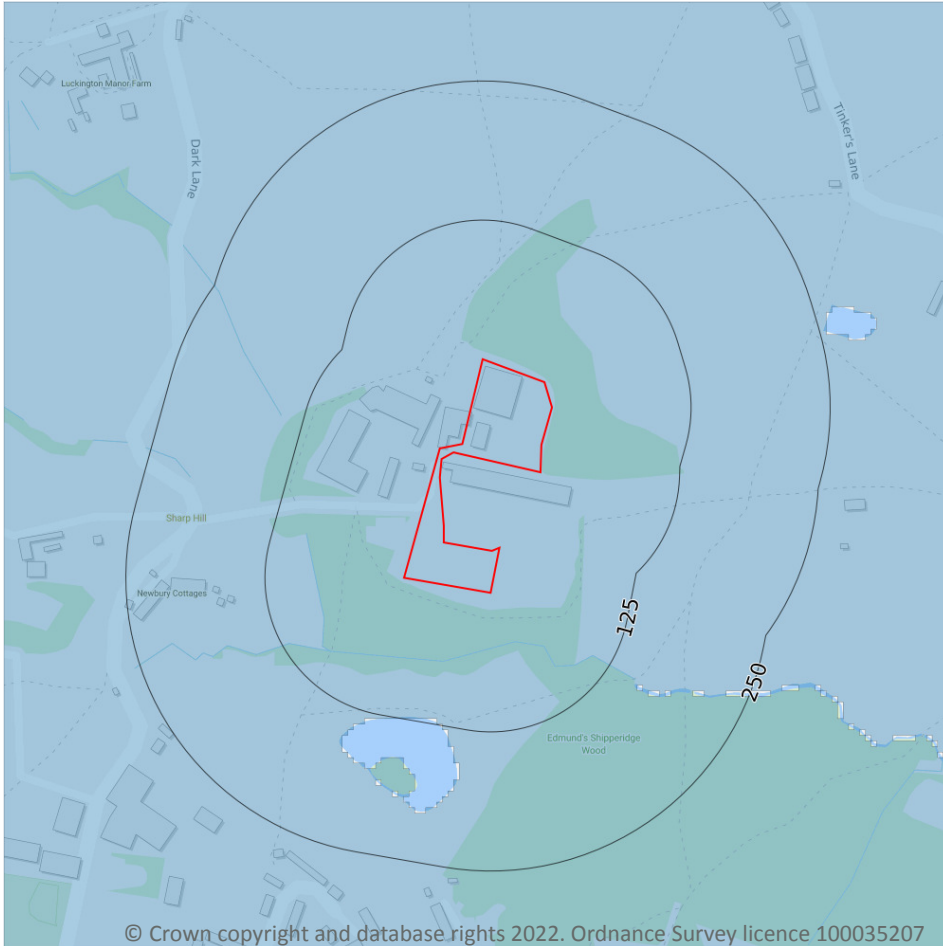
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Negligible**

**Highest risk within 50m**

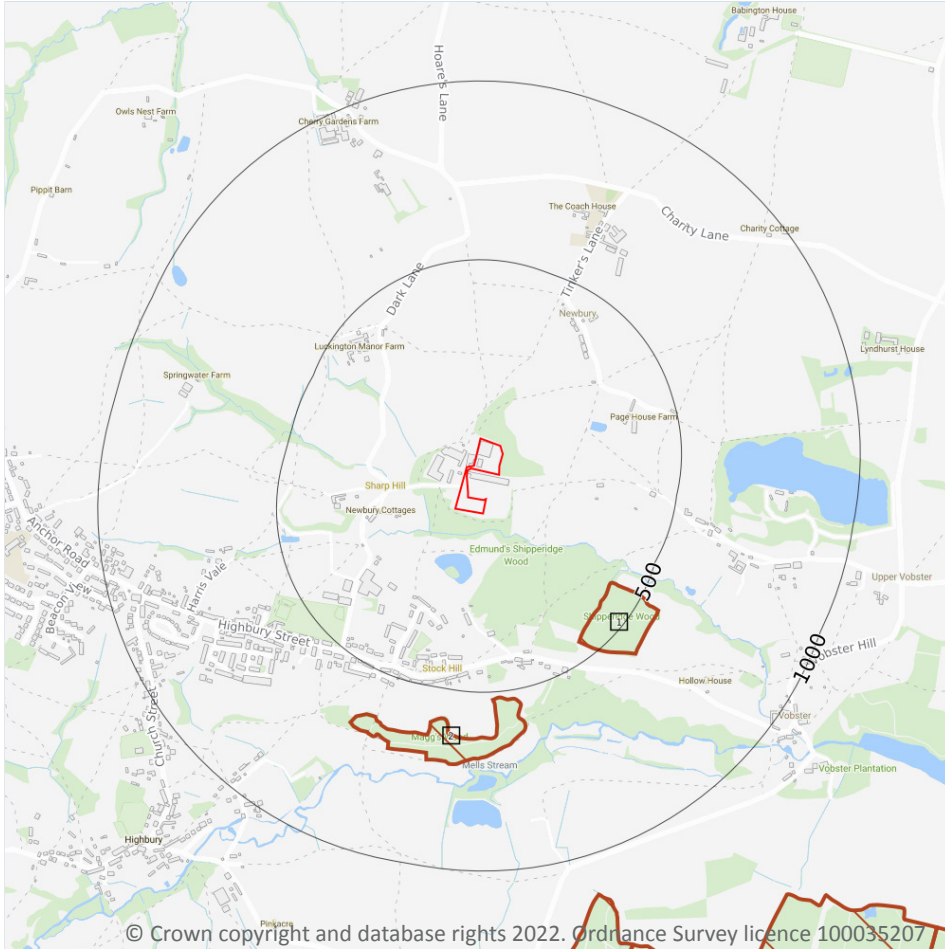
**Negligible**

Groundwater flooding is caused by unusually high groundwater levels. It occurs when the water table rises above the ground surface or within underground structures such as basements or cellars. Groundwater flooding tends to exhibit a longer duration than surface water flooding, possibly lasting for weeks or months, and as a result it can cause significant damage to property. This risk assessment is based on a 1 in 100 year return period and a 5m Digital Terrain Model (DTM).

Features are displayed on the Groundwater flooding map on **page 60**

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations



### 10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

Sites providing statutory protection for the best examples of UK flora, fauna, or geological or physiographical features. Originally notified under the National Parks and Access to the Countryside Act 1949, SSSIs were re-notified under the Wildlife and Countryside Act 1981. Improved provisions for the protection and management of SSSIs were introduced by the Countryside and Rights of Way Act 2000 (in England and Wales) and (in Scotland) by the Nature Conservation (Scotland) Act 2004 and the Wildlife and Natural Environment (Scotland) Act 2010.

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Name	Data source
-	1600m SW	Edford Woods & Meadows	Natural England



*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.2 Conserved wetland sites (Ramsar sites)

**Records within 2000m**

**0**

Ramsar sites are designated under the Convention on Wetlands of International Importance, agreed in Ramsar, Iran, in 1971. They cover all aspects of wetland conservation and wise use, recognizing wetlands as ecosystems that are extremely important for biodiversity conservation in general and for the well-being of human communities. These sites cover a broad definition of wetland; marsh, fen, peatland or water, whether natural or artificial, permanent or temporary, with water that is static or flowing, fresh, brackish or salt, and even some marine areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.3 Special Areas of Conservation (SAC)

**Records within 2000m**

**0**

Areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.4 Special Protection Areas (SPA)

**Records within 2000m**

**0**

Sites classified by the UK Government under the EC Birds Directive, SPAs are areas of the most important habitat for rare (listed on Annex I to the Directive) and migratory birds within the European Union.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.5 National Nature Reserves (NNR)

**Records within 2000m**

**0**

Sites containing examples of some of the most important natural and semi-natural terrestrial and coastal ecosystems in Great Britain. They are managed to conserve their habitats, provide special opportunities for scientific study or to provide public recreation compatible with natural heritage interests.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*





## 10.6 Local Nature Reserves (LNR)

Records within 2000m

0

Sites managed for nature conservation, and to provide opportunities for research and education, or simply enjoying and having contact with nature. They are declared by local authorities under the National Parks and Access to the Countryside Act 1949 after consultation with the relevant statutory nature conservation agency.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.7 Designated Ancient Woodland

Records within 2000m

11

Ancient woodlands are classified as areas which have been wooded continuously since at least 1600 AD. This includes semi-natural woodland and plantations on ancient woodland sites. 'Wooded continuously' does not mean there is or has previously been continuous tree cover across the whole site, and not all trees within the woodland have to be old.

Features are displayed on the Environmental designations map on **page 61**

ID	Location	Name	Woodland Type
1	406m SE	Upper Vobster Wood	Ancient & Semi-Natural Woodland
2	517m S	Maggs Wood	Ancient & Semi-Natural Woodland
3	1114m S	Melcombe Wood	Ancient & Semi-Natural Woodland
4	1277m S	Melcombe Wood	Ancient Replanted Woodland
5	1363m SE	Melcombe Wood	Ancient & Semi-Natural Woodland
-	1600m SW	Leigh Wood	Ancient & Semi-Natural Woodland
-	1636m NW	Unknown	Ancient & Semi-Natural Woodland
-	1647m N	Babington Wood	Ancient & Semi-Natural Woodland
8	1718m SE	Melcombe Wood	Ancient Replanted Woodland
-	1750m NW	Unknown	Ancient Replanted Woodland
-	1751m NW	Unknown	Ancient & Semi-Natural Woodland

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*



## 10.8 Biosphere Reserves

Records within 2000m

0

Biosphere Reserves are internationally recognised by UNESCO as sites of excellence to balance conservation and socioeconomic development between nature and people. They are recognised under the Man and the Biosphere (MAB) Programme with the aim of promoting sustainable development founded on the work of the local community.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.9 Forest Parks

Records within 2000m

0

These are areas managed by the Forestry Commission designated on the basis of recreational, conservation or scenic interest.

*This data is sourced from the Forestry Commission.*

## 10.10 Marine Conservation Zones

Records within 2000m

0

A type of marine nature reserve in UK waters established under the Marine and Coastal Access Act (2009). They are designated with the aim to protect nationally important, rare or threatened habitats and species.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 10.11 Green Belt

Records within 2000m

0

Areas designated to prevent urban sprawl by keeping land permanently open.

*This data is sourced from the Ministry of Housing, Communities and Local Government.*

## 10.12 Proposed Ramsar sites

Records within 2000m

0

Ramsar sites are areas listed as a Wetland of International Importance under the Convention on Wetlands of International Importance especially as Waterfowl Habitat (the Ramsar Convention) 1971. The sites here supplied have a status of 'Proposed' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*



### 10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

Special Areas of Conservation are areas which have been identified as best representing the range and variety within the European Union of habitats and (non-bird) species listed on Annexes I and II to the Directive. SACs are designated under the EC Habitats Directive. Those sites supplied here are those with a status of 'Possible' having been identified for potential adoption under the framework.

*This data is sourced from Natural England and Natural Resources Wales.*

### 10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

Special Protection Areas (SPAs) are areas designated (or 'classified') under the European Union Wild Birds Directive for the protection of nationally and internationally important populations of wild birds. Those sites supplied here are those with a status of 'Potential' having been identified for potential adoption under the framework.

*This data is sourced from Natural England.*

### 10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

*This data is sourced from Natural England.*

### 10.16 Nitrate Vulnerable Zones

Records within 2000m

1

Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

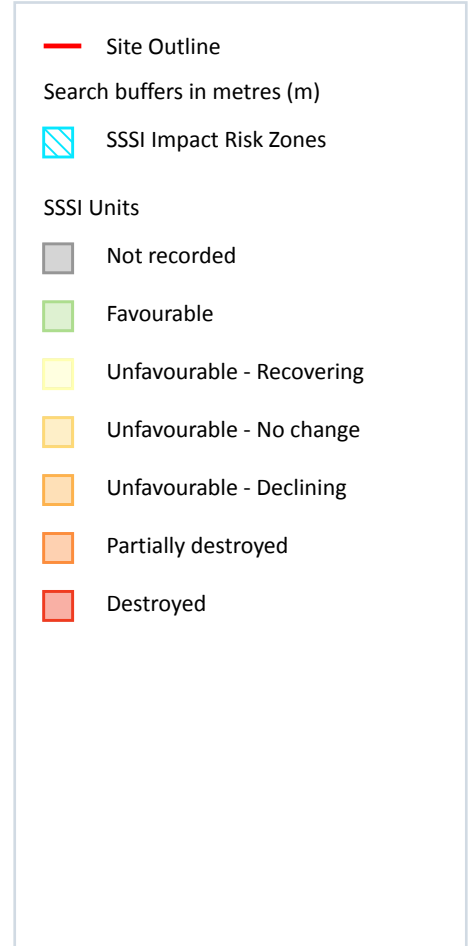
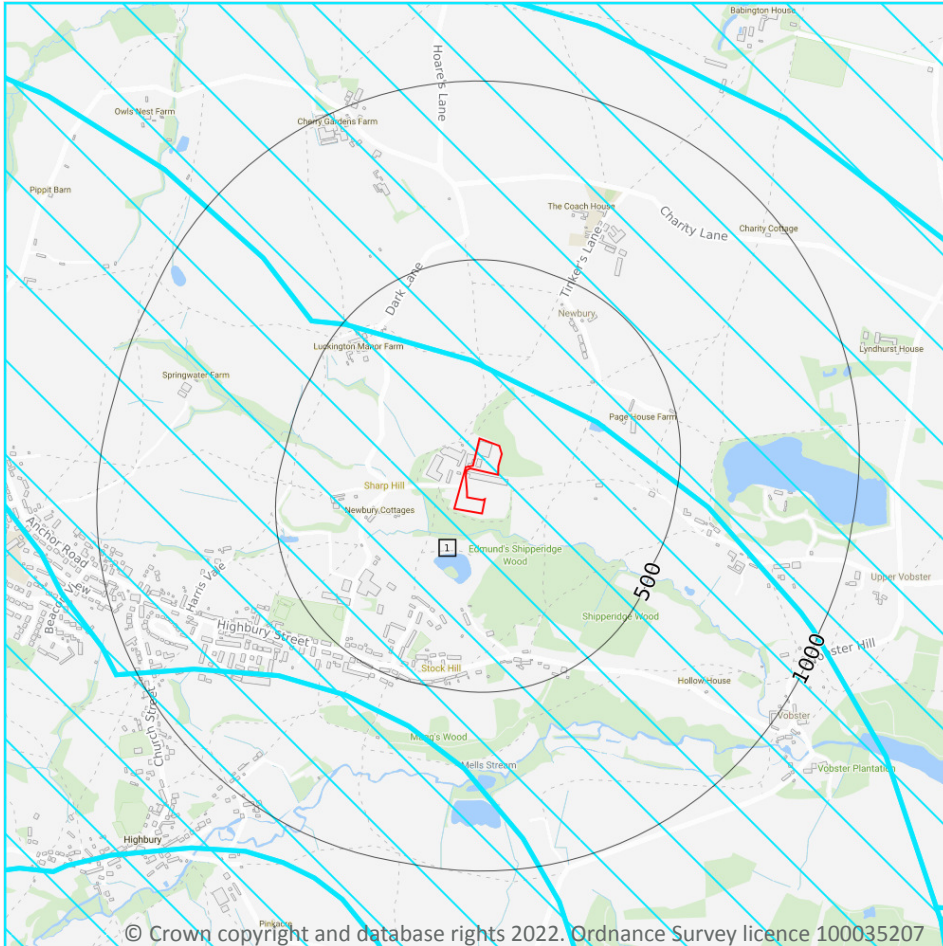
Location	Name	Type	NVZ ID	Status
126m N	Wellow Bk - conf Lyde Bk to conf Cam Bk NVZ	Surface Water	566	Existing



*This data is sourced from Natural England and Natural Resources Wales.*



## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

1

Developed to allow rapid initial assessment of the potential risks to SSSIs posed by development proposals. They define zones around each SSSI which reflect the particular sensitivities of the features for which it is notified and indicate the types of development proposal which could potentially have adverse impacts.

Features are displayed on the SSSI Impact Zones and Units map on **page 67**

ID	Location	Type of developments requiring consultation
1	On site	<p><b>All applications - All planning applications (except householder) outside or extending outside existing settlements/urban areas affecting greenspace, farmland, semi natural habitats or landscape features such as trees, hedges, streams, rural buildings/structures.</b></p> <p><b>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</b></p> <p><b>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, review of minerals permissions (romp), extensions, variations to conditions etc. oil &amp; gas exploration/extraction.</b></p> <p><b>Air pollution - Any industrial/agricultural development that could cause air pollution (incl: industrial processes, livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 200m<sup>2</sup>, manure stores &gt; 250t).</b></p> <p><b>Combustion - General combustion processes &gt;20mw energy input. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</b></p> <p><b>Waste - Landfill. incl: inert landfill, non-hazardous landfill, hazardous landfill.</b></p> <p><b>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</b></p> <p><b>Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m<sup>2</sup> or more.</b></p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

<b>Records within 2000m</b>	<b>1</b>
-----------------------------	----------

Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on **page 67**

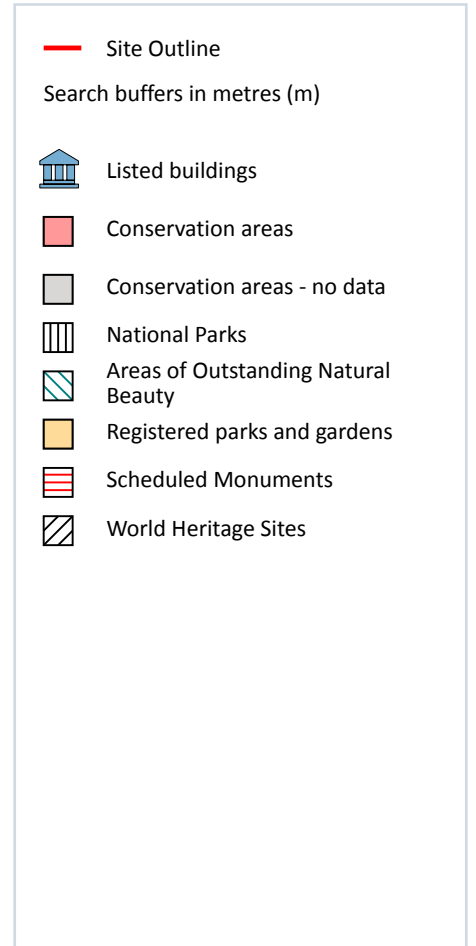
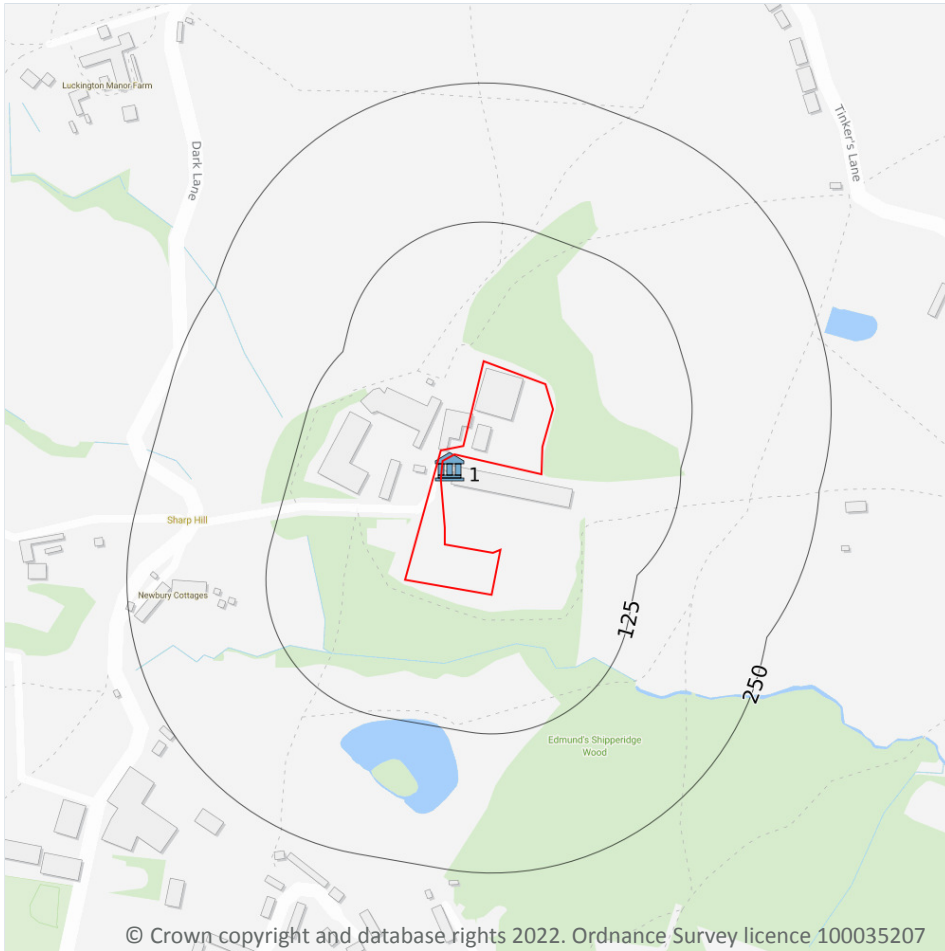
ID: -  
 Location: 1600m SW  
 SSSI name: Edford Woods & Meadows  
 Unit name: Bector Leigh And Hurdlestone Woods  
 Broad habitat: Broadleaved, Mixed And Yew Woodland - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland mixed deciduous woodland	Unfavourable - Recovering	21/09/2011

*This data is sourced from Natural England and Natural Resources Wales.*



## 11 Visual and cultural designations



### 11.1 World Heritage Sites

Records within 250m

0

Sites designated for their globally important cultural or natural interest requiring appropriate management and protection measures. World Heritage Sites are designated to meet the UK's commitments under the World Heritage Convention.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

Areas of Outstanding Natural Beauty (AONB) are conservation areas, chosen because they represent 18% of the finest countryside. Each AONB has been designated for special attention because of the quality of their flora, fauna, historical and cultural associations, and/or scenic views. The National Parks and Access to the Countryside Act of 1949 created AONBs and the Countryside and Rights of Way Act, 2000 added further regulation and protection. There are likely to be restrictions to some developments within these areas.

*This data is sourced from Natural England, Natural Resources Wales and Scottish Natural Heritage.*

## 11.3 National Parks

Records within 250m

0

In England and Wales, the purpose of National Parks is to conserve and enhance landscapes within the countryside whilst promoting public enjoyment of them and having regard for the social and economic well-being of those living within them. In Scotland National Parks have the additional purpose of promoting the sustainable use of the natural resources of the area and the sustainable social and economic development of its communities. The National Parks and Access to the Countryside Act 1949 established the National Park designation in England and Wales, and The National Parks (Scotland) Act 2000 in Scotland.

*This data is sourced from Natural England, Natural Resources Wales and the Scottish Government.*

## 11.4 Listed Buildings

Records within 250m

1

Buildings listed for their special architectural or historical interest. Building control in the form of 'listed building consent' is required in order to make any changes to that building which might affect its special interest. Listed buildings are graded to indicate their relative importance, however building controls apply to all buildings equally, irrespective of their grade, and apply to the interior and exterior of the building in its entirety, together with any curtilage structures.

Features are displayed on the Visual and cultural designations map on **page 69**

ID	Location	Name	Grade	Reference Number	Listed date
1	7m E	Winding Engine House, Newbury Colliery, Coleford, Mendip, Somerset, BA3	II	1259300	22/01/1997

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*





## 11.5 Conservation Areas

Records within 250m

0

Local planning authorities are obliged to designate as conservation areas any parts of their own area that are of special architectural or historic interest, the character and appearance of which it is desirable to preserve or enhance. Designation of a conservation area gives broader protection than the listing of individual buildings. All the features within the area, listed or otherwise, are recognised as part of its character. Conservation area designation is the means of recognising the importance of all factors and of ensuring that planning decisions address the quality of the landscape in its broadest sense.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.6 Scheduled Ancient Monuments

Records within 250m

0

A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*

## 11.7 Registered Parks and Gardens

Records within 250m

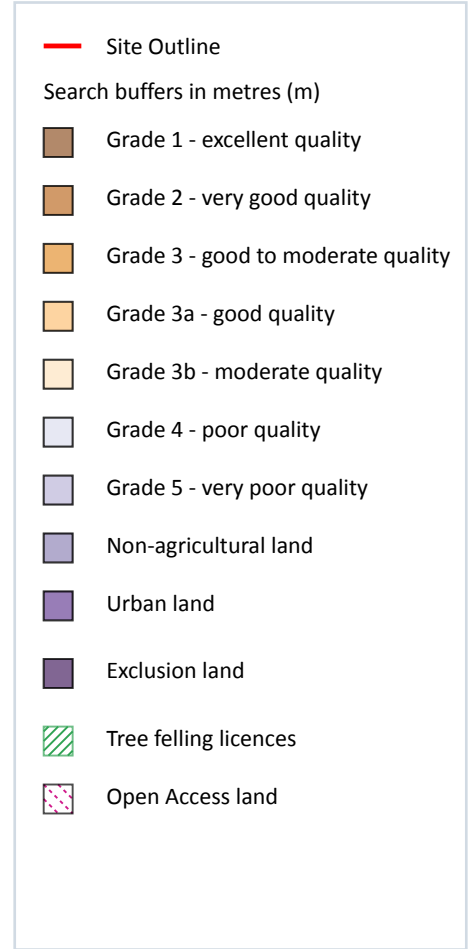
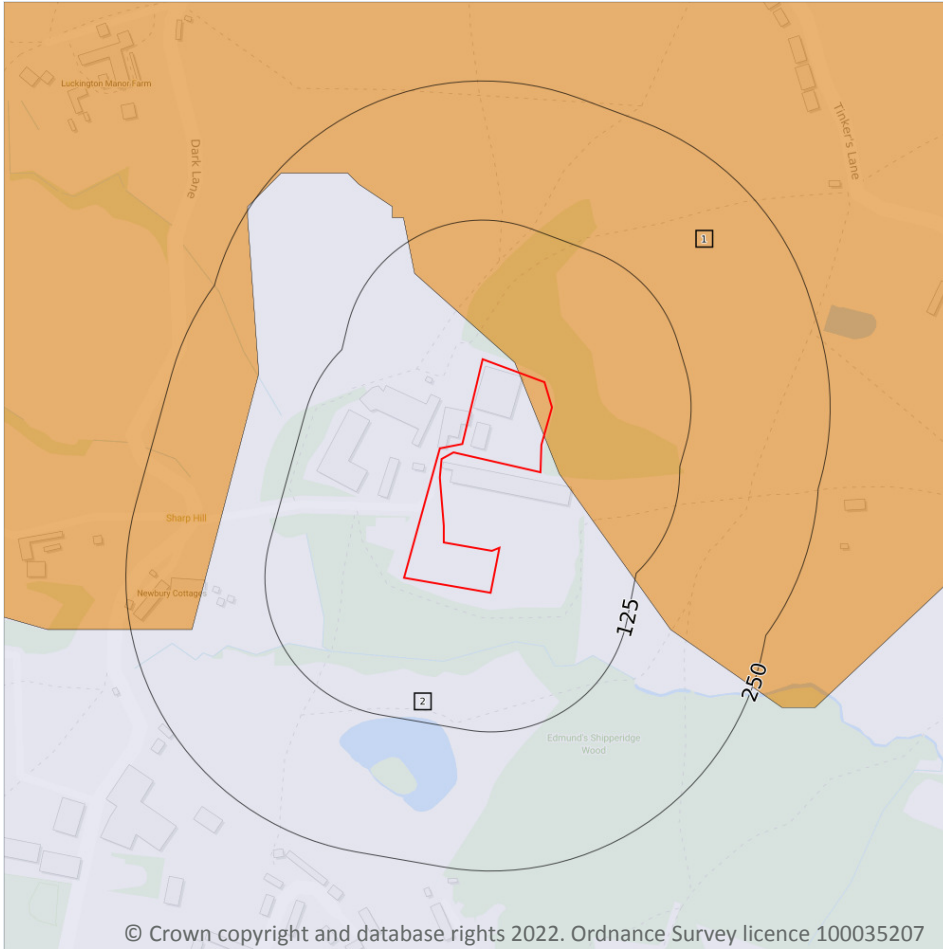
0

Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, meaning that planning authorities must consider the impact of any proposed development on the special character of the landscape.

*This data is sourced from Historic England, Cadw and Historic Environment Scotland.*



## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

2

Classification of the quality of agricultural land taking into consideration multiple factors including climate, physical geography and soil properties. It should be noted that the categories for the grading of agricultural land are not consistent across England, Wales and Scotland.

Features are displayed on the Agricultural designations map on **page 72**

ID	Location	Classification	Description
1	On site	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

ID	Location	Classification	Description
2	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.

*This data is sourced from Natural England.*

## 12.2 Open Access Land

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

The Countryside and Rights of Way Act 2000 (CROW Act) gives a public right of access to land without having to use paths. Access land includes mountains, moors, heaths and downs that are privately owned. It also includes common land registered with the local council and some land around the England Coast Path. Generally permitted activities on access land are walking, running, watching wildlife and climbing.

*This data is sourced from Natural England and Natural Resources Wales.*

## 12.3 Tree Felling Licences

<b>Records within 250m</b>	<b>0</b>
----------------------------	----------

Felling Licence Application (FLA) areas approved by Forestry Commission England. Anyone wishing to fell trees must ensure that a licence or permission under a grant scheme has been issued by the Forestry Commission before any felling is carried out or that one of the exceptions apply.

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

<b>Records within 250m</b>	<b>3</b>
----------------------------	----------

Environmental Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. The schemes identified may be historical schemes that have now expired, or may still be active.

Location	Reference	Scheme	Start Date	End date
78m SW	AG00704905	Entry Level Stewardship	01/07/2013	30/06/2018
134m SW	AG00704905	Entry Level Stewardship	01/07/2013	30/06/2018
201m W	AG00704905	Entry Level Stewardship	01/07/2013	30/06/2018

*This data is sourced from Natural England.*



## 12.5 Countryside Stewardship Schemes

Records within 250m

1

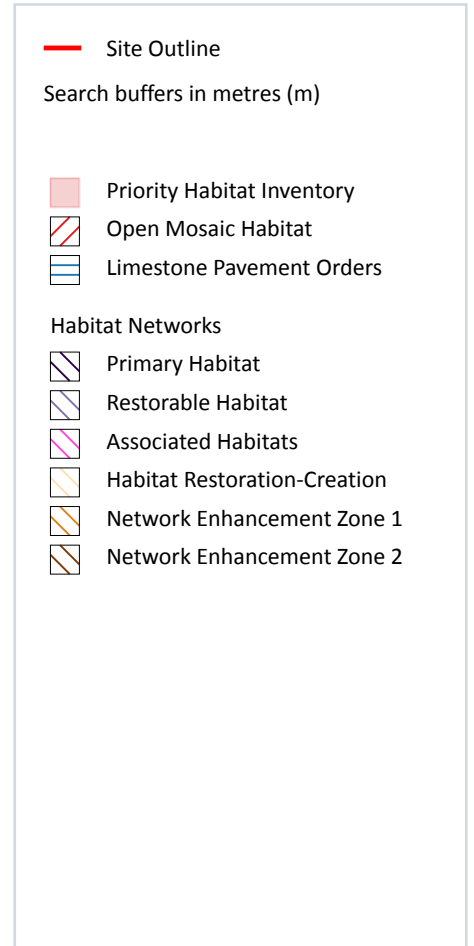
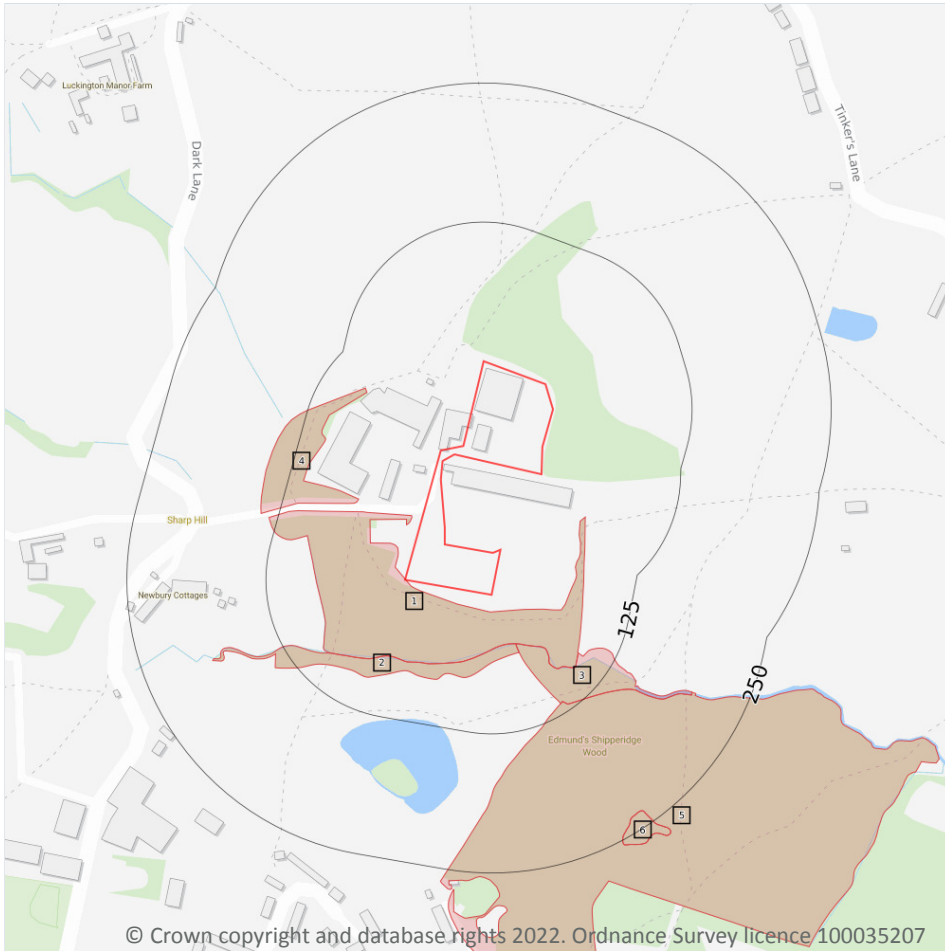
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
46m SE	644022	Countryside Stewardship (Middle Tier)	01/01/2019	31/12/2023

*This data is sourced from Natural England.*



## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

6

Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

Features are displayed on the Habitat designations map on **page 75**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	46m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	49m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	60m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	115m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	236m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

*This data is sourced from Natural England.*

## 13.2 Habitat Networks

**Records within 250m**

**0**

Habitat networks for 18 priority habitat networks (based primarily, but not exclusively, on the priority habitat inventory) and areas suitable for the expansion of networks through restoration and habitat creation.

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

**Records within 250m**

**0**

Sites verified as Open Mosaic Habitat. Mosaic habitats are brownfield sites that are identified under the UK Biodiversity Action Plan as a priority habitat due to the habitat variation within a single site, supporting an array of invertebrates.

*This data is sourced from Natural England.*

## 13.4 Limestone Pavement Orders

**Records within 250m**

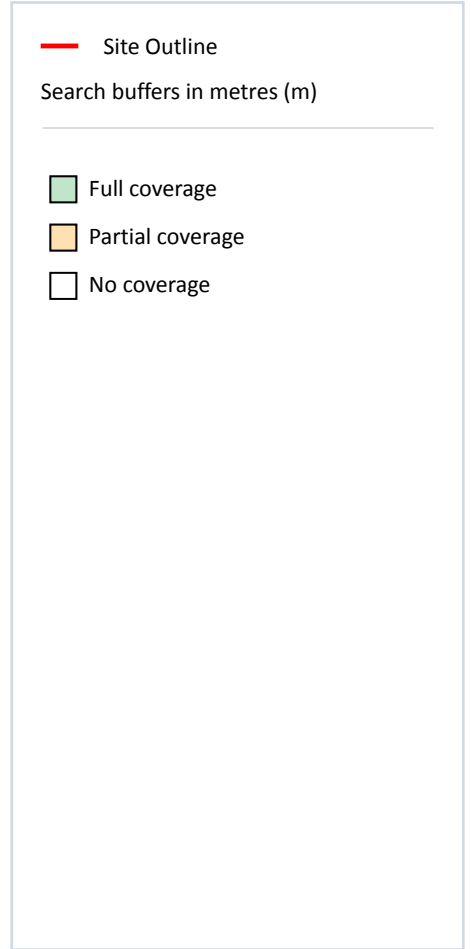
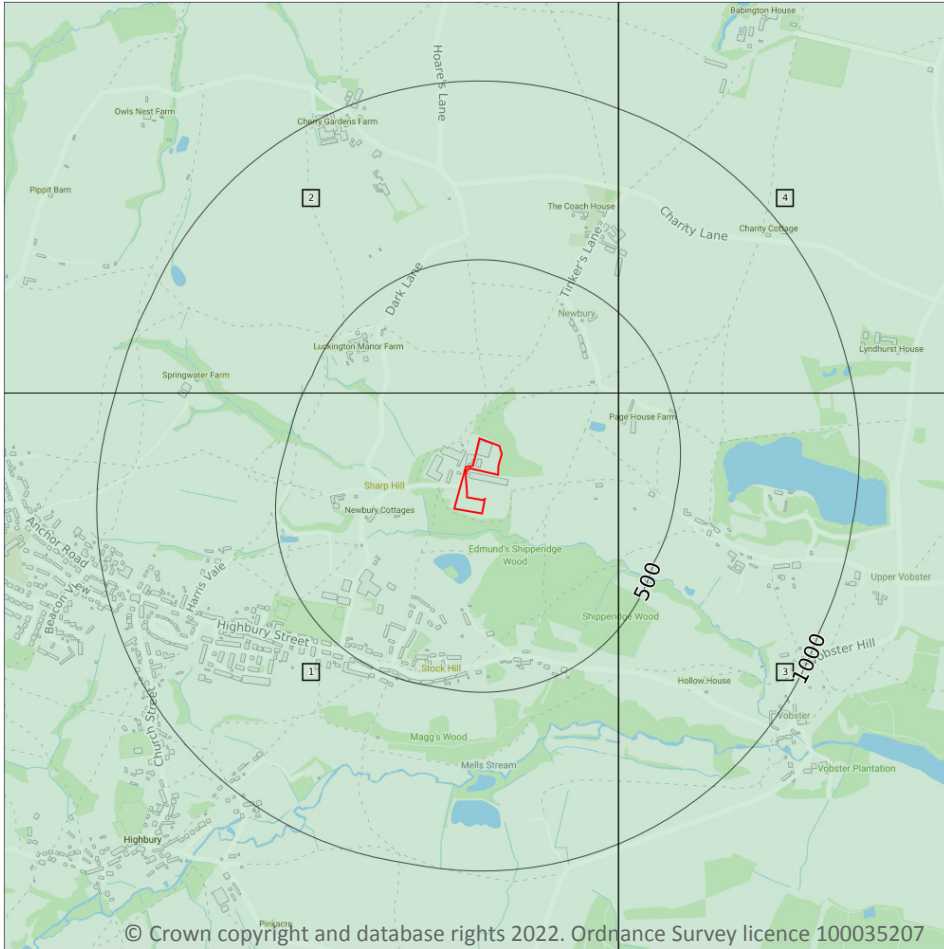
**0**

Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable habitats for wildlife. These habitats are threatened due to their removal for use in gardens and water features. Many limestone pavements have been designated as SSSIs which affords them some protection. In addition, Section 34 of the Wildlife and Countryside Act 1981 gave them additional protection via the creation of Limestone Pavement Orders, which made it a criminal offence to remove any part of the outcrop. The associated Limestone Pavement Priority Habitat is part of the UK Biodiversity Action Plan priority habitat in England.

*This data is sourced from Natural England.*



## 14 Geology 1:10,000 scale - Availability



### 14.1 10k Availability

Records within 500m

4

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 77**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	ST64NE
2	127m N	No coverage	Full	Full	Full	ST65SE
3	327m E	No coverage	Full	Full	Full	ST74NW
4	365m NE	No coverage	Full	Full	Full	ST75SW



*This data is sourced from the British Geological Survey.*





## Geology 1:10,000 scale - Artificial and made ground

### 14.2 Artificial and made ground (10k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Superficial

### 14.3 Superficial geology (10k)

Records within 500m

0

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

*This data is sourced from the British Geological Survey.*

### 14.4 Landslip (10k)

Records within 500m

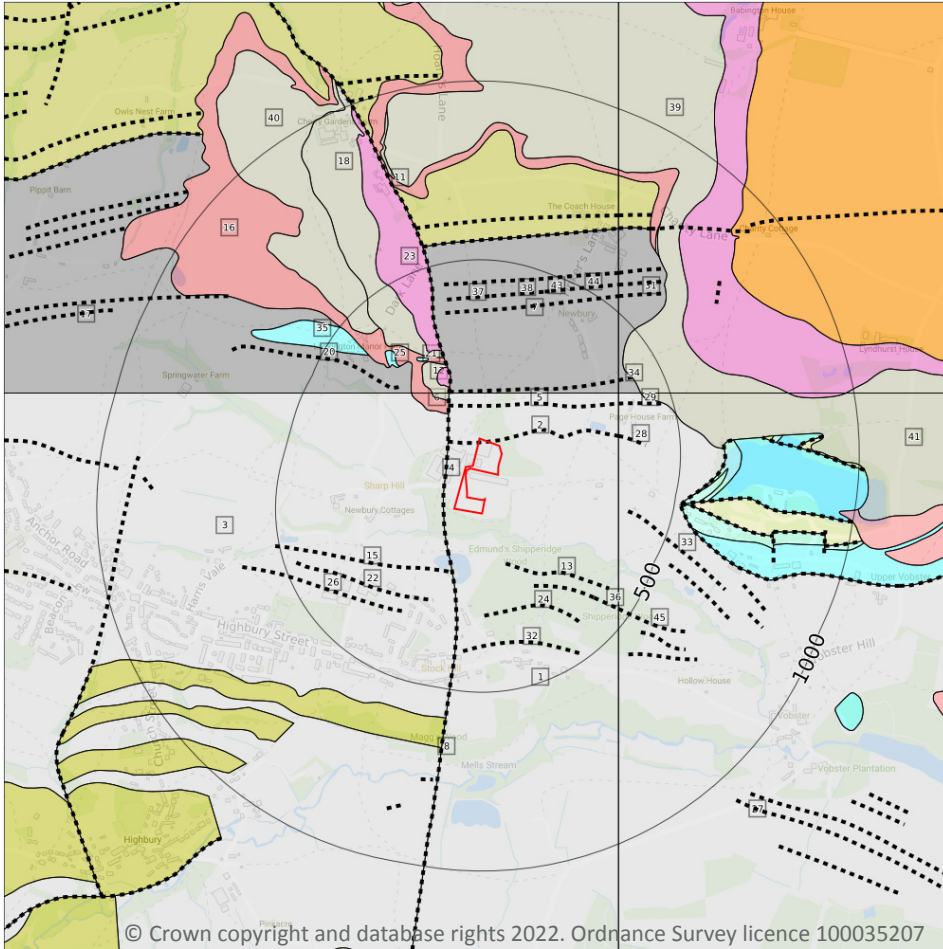
0

Mass movement deposits on BGS geological maps at 1:10,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*



## Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)  
Please see table for more details.

### 14.5 Bedrock geology (10k)

Records within 500m

19

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 81**

ID	Location	LEX Code	Description	Rock age
1	On site	SWLMC-MDSS	South Wales Lower Coal Measures Formation And South Wales Middle Coal Measures Formation (undifferentiated) - Mudstone, Siltstone And Sandstone	Bolsoviaian Sub-age - Langsetian Sub-age
3	30m W	SWLMC-MDSS	South Wales Lower Coal Measures Formation And South Wales Middle Coal Measures Formation (undifferentiated) - Mudstone, Siltstone And Sandstone	Bolsoviaian Sub-age - Langsetian Sub-age

ID	Location	LEX Code	Description	Rock age
6	111m NW	WBCT-MDLM	Westbury Formation And Cotham Member (undifferentiated) - Mudstone And Limestone, Interbedded	Rhaetian Age
7	127m N	SWMCM-MDSS	South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
10	136m NW	BLI-MDLM	Blue Lias Formation - Mudstone And Limestone, Interbedded	Sinemurian Age - Rhaetian Age
12	153m NW	BLI-MDLM	Blue Lias Formation - Mudstone And Limestone, Interbedded	Sinemurian Age - Rhaetian Age
14	166m NW	CHAM-MDST	Charmouth Mudstone Formation - Mudstone	Pliensbachian Age - Sinemurian Age
16	183m NW	WBCT-MDLM	Westbury Formation And Cotham Member (undifferentiated) - Mudstone And Limestone, Interbedded	Rhaetian Age
17	229m NW	SWMCM-MDSS	South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
18	247m NW	BLI-MDLM	Blue Lias Formation - Mudstone And Limestone, Interbedded	Sinemurian Age - Rhaetian Age
21	262m NW	CDL-LMST	Clifton Down Limestone Formation - Limestone	Holkerian Age - Arundian Age
23	268m NW	CHAM-MDST	Charmouth Mudstone Formation - Mudstone	Pliensbachian Age - Sinemurian Age
25	301m NW	CDL-LMST	Clifton Down Limestone Formation - Limestone	Holkerian Age - Arundian Age
27	327m E	SWLMC-MDSS	South Wales Lower Coal Measures Formation And South Wales Middle Coal Measures Formation (undifferentiated) - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Langsettian Sub-age
31	365m NE	SWMCM-MDSS	South Wales Middle Coal Measures Formation - Mudstone, Siltstone And Sandstone	Bolsovia Sub-age - Duckmantian Sub-age
35	387m NW	CDL-LMST	Clifton Down Limestone Formation - Limestone	Holkerian Age - Arundian Age
39	410m NE	BLI-MDLM	Blue Lias Formation - Mudstone And Limestone, Interbedded	Sinemurian Age - Rhaetian Age
40	417m NW	LPBL-MDLM	Langport Member And Blue Lias Formation (undifferentiated) - Mudstone And Limestone, Interbedded	Sinemurian Age - Rhaetian Age
41	422m E	BLI-MDLM	Blue Lias Formation - Mudstone And Limestone, Interbedded	Sinemurian Age - Rhaetian Age

*This data is sourced from the British Geological Survey.*



## 14.6 Bedrock faults and other linear features (10k)

<b>Records within 500m</b>	<b>26</b>
----------------------------	-----------

Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 81**

ID	Location	Category	Description
<b>2</b>	<b>On site</b>	<b>ROCK</b>	<b>Coal seam, inferred ( )</b>
4	30m W	FAULT	Normal fault, observed; crossmark on downthrow side
5	91m N	ROCK	Coal seam, inferred ( )
8	128m S	FAULT	Normal fault, inferred; crossmarks on downthrow side
9	133m N	ROCK	Coal seam, inferred ( )
11	153m NW	FAULT	Normal fault, observed; crossmark on downthrow side
13	155m SE	ROCK	Coal seam, observed ( )
15	176m S	ROCK	Coal seam, inferred ( )
19	249m SE	ROCK	Coal seam, observed ( )
20	261m NW	ROCK	Coal seam, inferred ( )
22	263m S	ROCK	Coal seam, inferred ( )
24	281m S	ROCK	Coal seam, inferred ( )
26	318m SW	ROCK	Coal seam, inferred ( )
28	330m E	ROCK	Coal seam, inferred ( )
29	354m E	ROCK	Coal seam, inferred ( )
30	357m N	ROCK	Coal seam, inferred ( )
32	367m S	ROCK	Coal seam, inferred ( )
33	378m E	ROCK	Coal seam, inferred ( )
34	380m NE	ROCK	Coal seam, inferred ( )
36	392m SE	ROCK	Coal seam, inferred ( )
37	395m N	ROCK	Coal seam, inferred ( )
38	400m N	ROCK	Coal seam, observed ( )
42	435m N	ROCK	Coal seam, inferred ( )

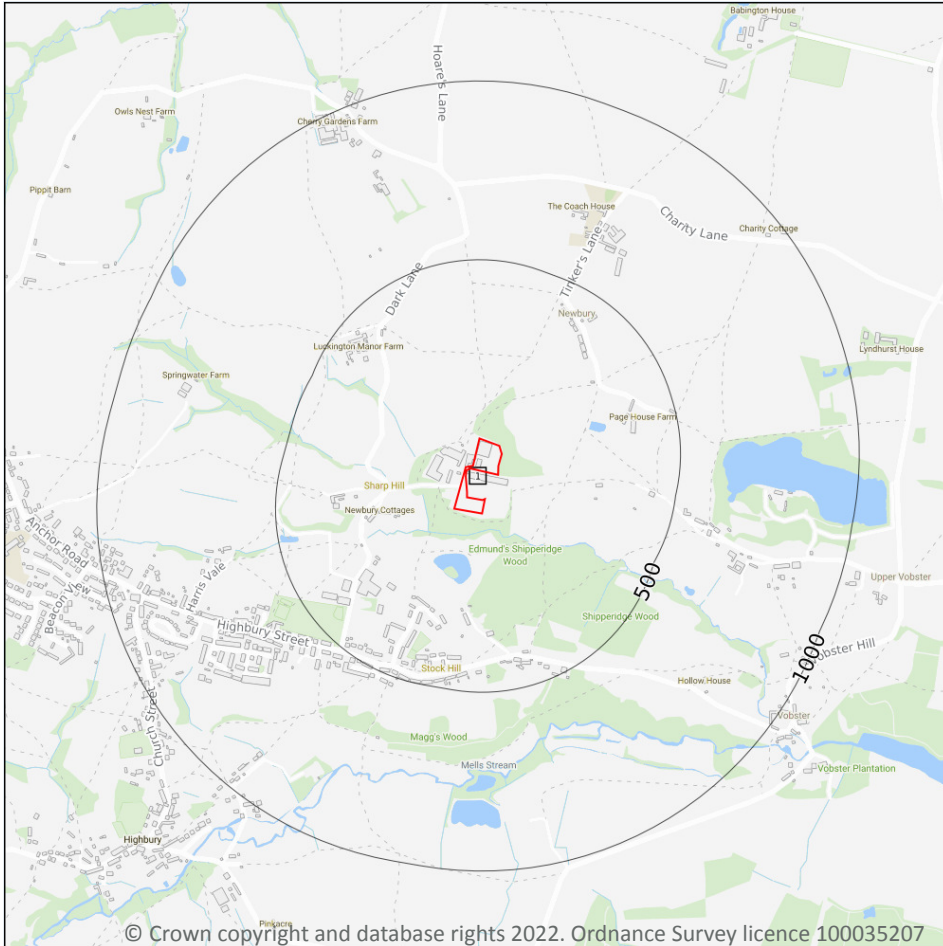


ID	Location	Category	Description
43	448m N	ROCK	Coal seam, inferred ()
44	456m N	ROCK	Coal seam, observed ()
45	466m SE	ROCK	Coal seam, inferred ()

*This data is sourced from the British Geological Survey.*



## 15 Geology 1:50,000 scale - Availability



**— Site Outline**

Search buffers in metres (m)

---

**□ Geological map tile**

### 15.1 50k Availability

**Records within 500m**

**1**

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

Features are displayed on the Geology 1:50,000 scale - Availability map on **page 85**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW281_from_e_v4

*This data is sourced from the British Geological Survey.*

## Geology 1:50,000 scale - Artificial and made ground

### 15.2 Artificial and made ground (50k)

Records within 500m

0

Details of made, worked, infilled, disturbed and landscaped ground at 1:50,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

*This data is sourced from the British Geological Survey.*

### 15.3 Artificial ground permeability (50k)

Records within 50m

0

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*





## Geology 1:50,000 scale - Superficial

### 15.4 Superficial geology (50k)

Records within 500m	0
---------------------	---

Superficial geological deposits at 1:50,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

*This data is sourced from the British Geological Survey.*

### 15.5 Superficial permeability (50k)

Records within 50m	0
--------------------	---

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*

### 15.6 Landslip (50k)

Records within 500m	0
---------------------	---

Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

*This data is sourced from the British Geological Survey.*

### 15.7 Landslip permeability (50k)

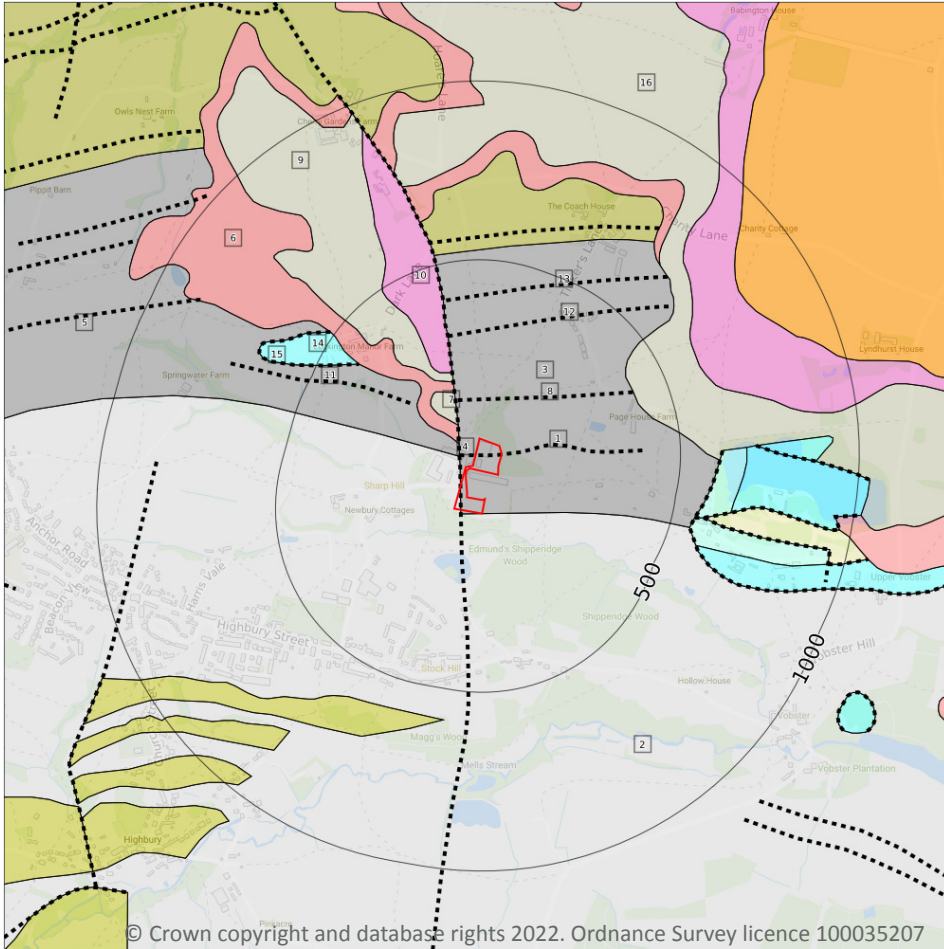
Records within 50m	0
--------------------	---

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

*This data is sourced from the British Geological Survey.*



## Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- ..... Bedrock faults and other linear features (50k)
- Bedrock geology (50k)  
Please see table for more details.

### 15.8 Bedrock geology (50k)

Records within 500m

9

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 88**

ID	Location	LEX Code	Description	Rock age
2	On site	SWLCM-MDSS	SOUTH WALES LOWER COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
3	On site	SWMCM-MDSS	SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
5	35m NW	SWMCM-MDSS	SOUTH WALES MIDDLE COAL MEASURES FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
6	52m W	WBCT-MDLM	WESTBURY FORMATION AND COTHAM MEMBER (UNDIFFERENTIATED) - MUDSTONE AND LIMESTONE, INTERBEDDED	RHAETIAN
7	70m NW	LPBL-MDLM	LANGPORT MEMBER AND BLUE LIAS FORMATION (UNDIFFERENTIATED) - MUDSTONE AND LIMESTONE, INTERBEDDED	RHAETIAN
9	174m NW	LPBL-MDLM	LANGPORT MEMBER AND BLUE LIAS FORMATION (UNDIFFERENTIATED) - MUDSTONE AND LIMESTONE, INTERBEDDED	RHAETIAN
10	199m NW	CHAM-MDST	CHARMOUTH MUDSTONE FORMATION - MUDSTONE	SINEMURIAN
14	396m NW	CDL-LMST	CLIFTON DOWN LIMESTONE FORMATION - LIMESTONE	WISEAN
16	402m NE	LPBL-MDLM	LANGPORT MEMBER AND BLUE LIAS FORMATION (UNDIFFERENTIATED) - MUDSTONE AND LIMESTONE, INTERBEDDED	RHAETIAN

*This data is sourced from the British Geological Survey.*

## 15.9 Bedrock permeability (50k)

**Records within 50m**

**2**

A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of bedrock (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Fracture	Moderate	Low
On site	Fracture	Moderate	Low

*This data is sourced from the British Geological Survey.*

## 15.10 Bedrock faults and other linear features (50k)

**Records within 500m**

**7**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 88**

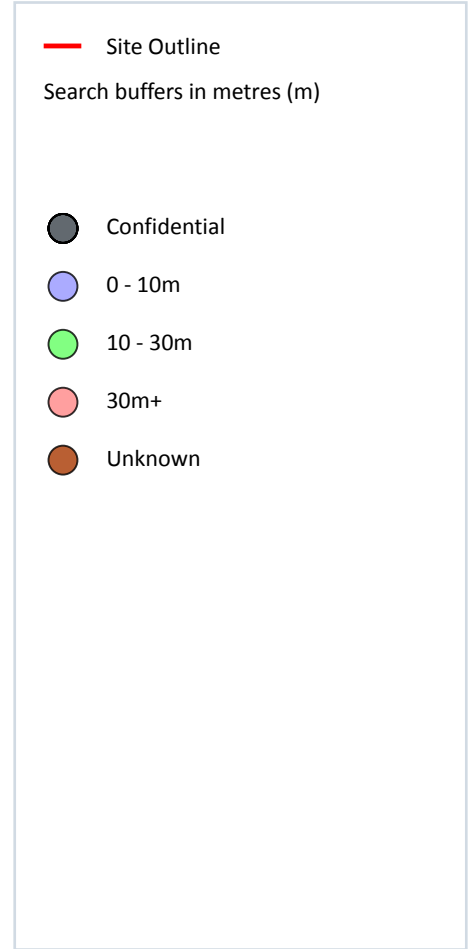
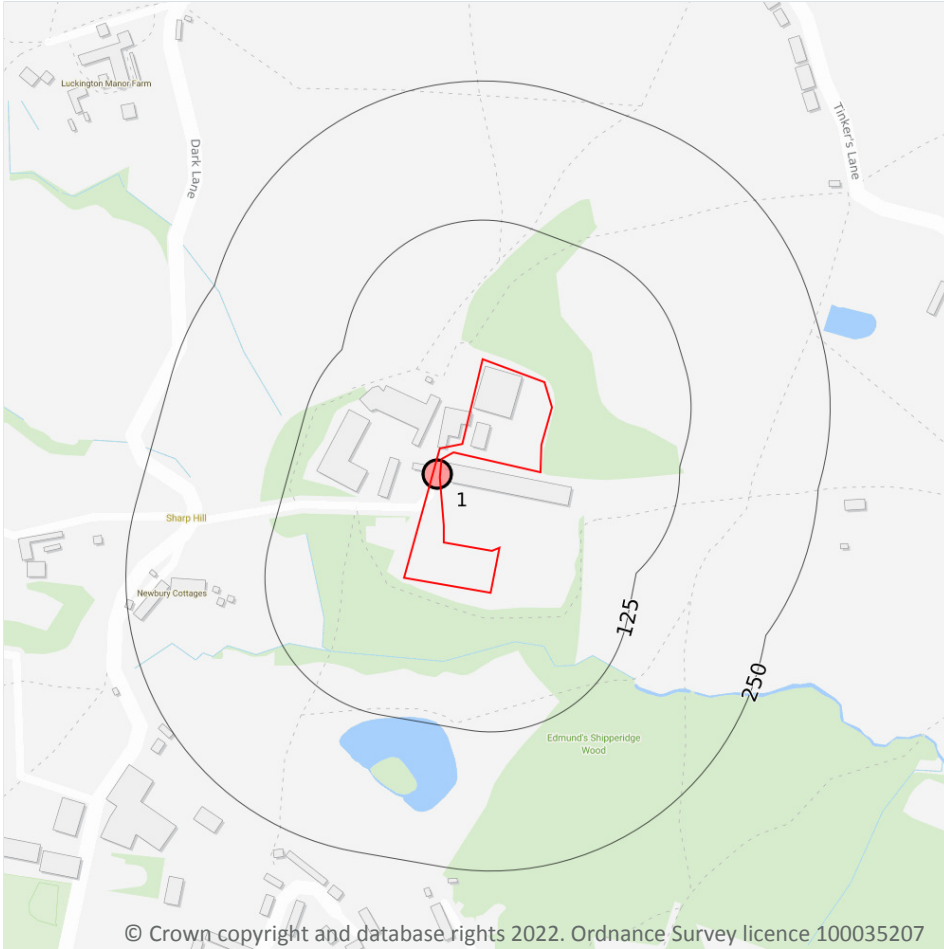


ID	Location	Category	Description
1	On site	ROCK	Coal seam, inferred
4	On site	FAULT	Fault, inferred, displacement unknown
8	109m N	ROCK	Coal seam, inferred
11	216m NW	ROCK	Coal seam, inferred
12	297m N	ROCK	Coal seam, inferred
13	396m N	ROCK	Coal seam, inferred
15	396m NW	FAULT	Fault, inferred, displacement unknown

*This data is sourced from the British Geological Survey.*



## 16 Boreholes



### 16.1 BGS Boreholes

#### Records within 250m

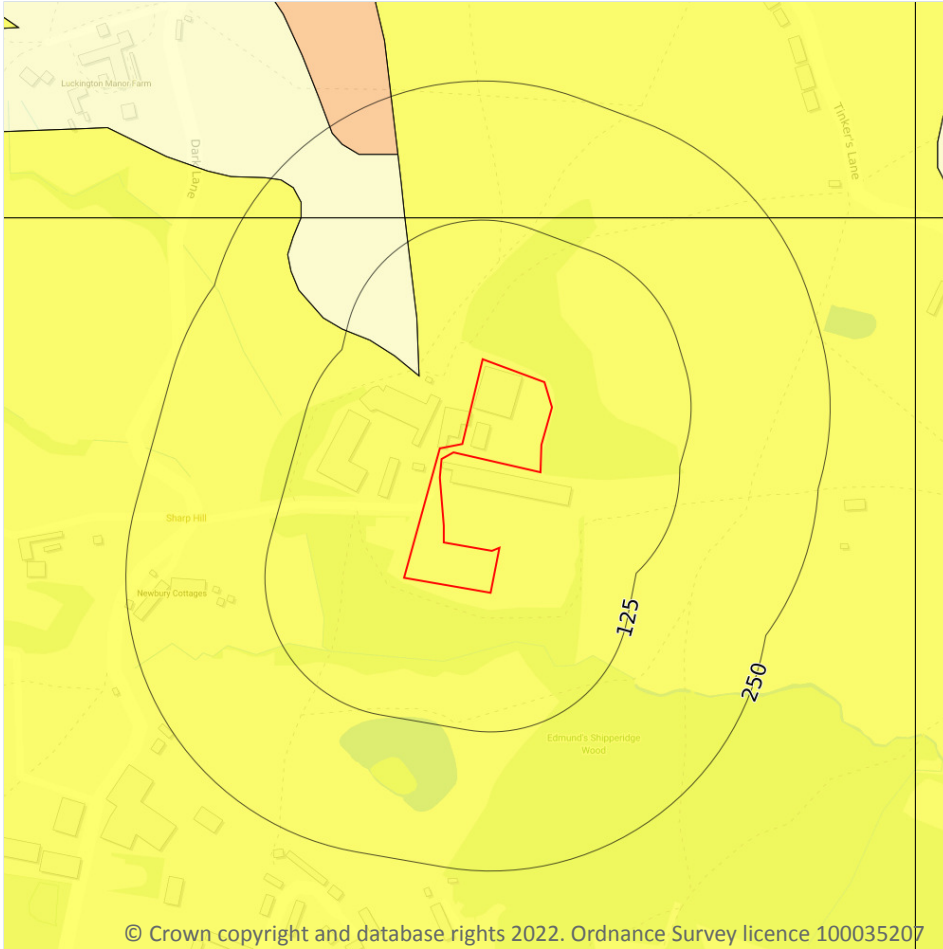
1

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep. Features are displayed on the Boreholes map on **page 91**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	On site	369570 149770	NEWBURY COLLIERY	224.6	N	<a href="#">390179</a>

*This data is sourced from the British Geological Survey.*

## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

1

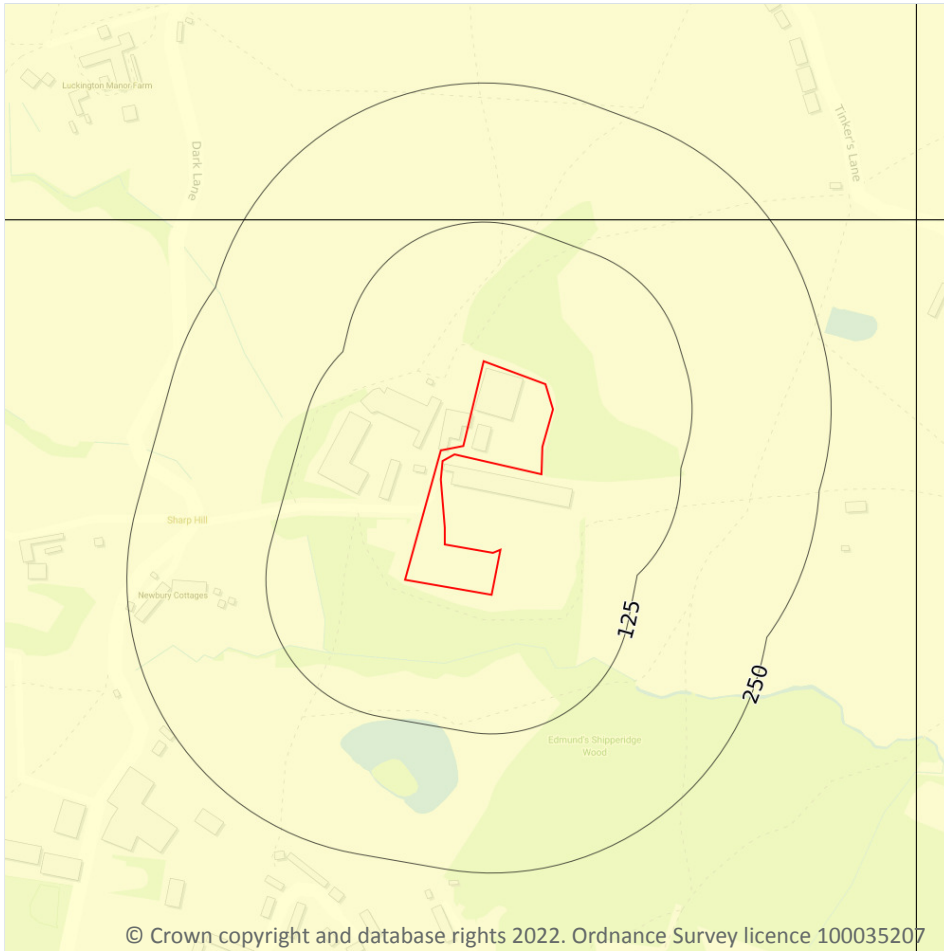
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and local drainage).

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 92**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Running sands



### 17.2 Running sands

#### Records within 50m

1

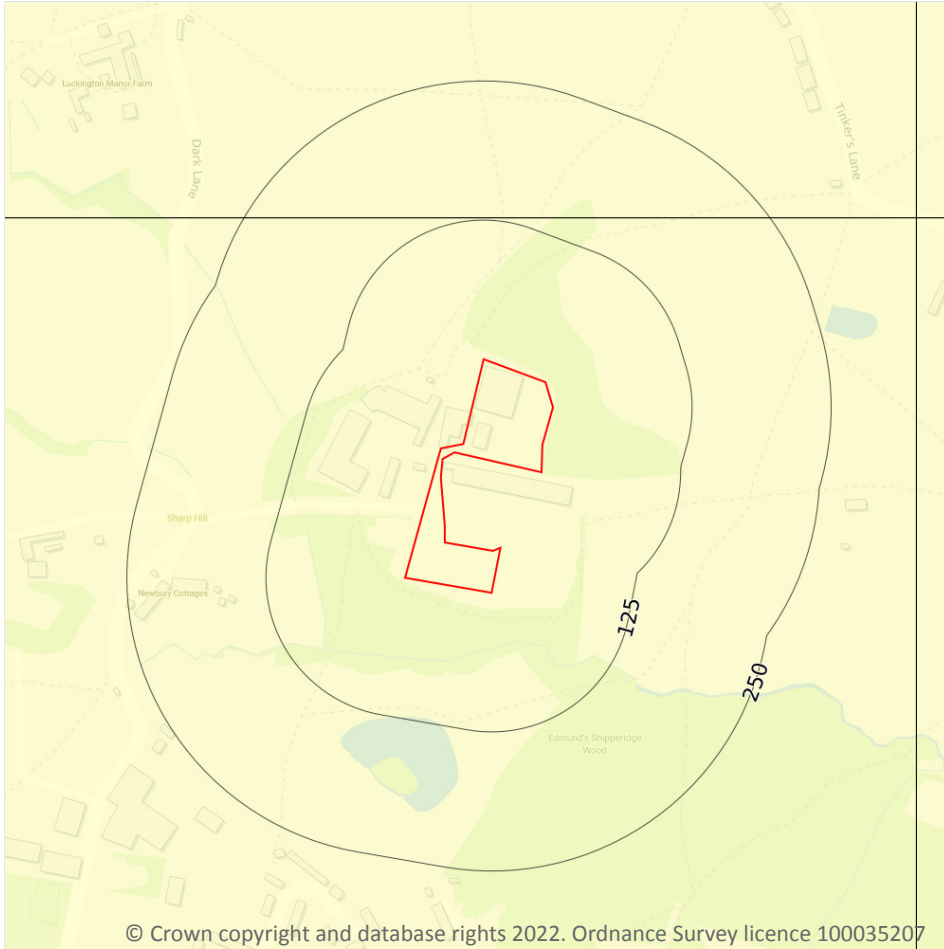
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on **page 93**

Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Compressible deposits



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### 17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

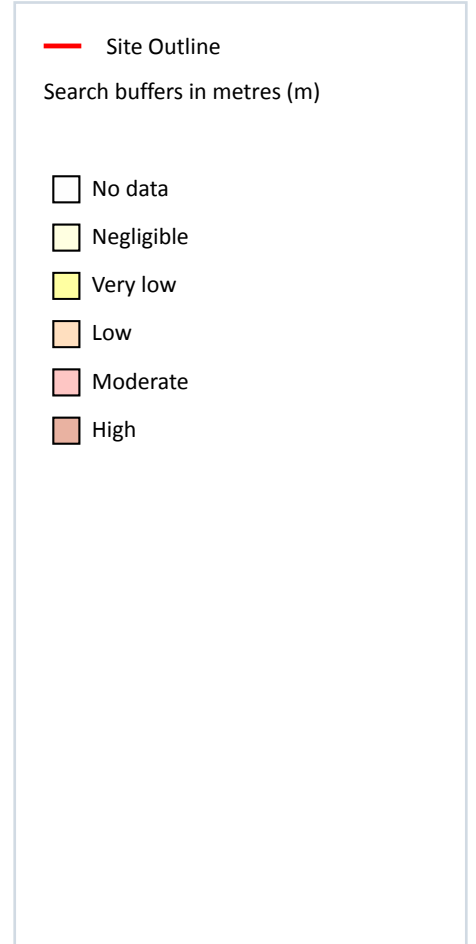
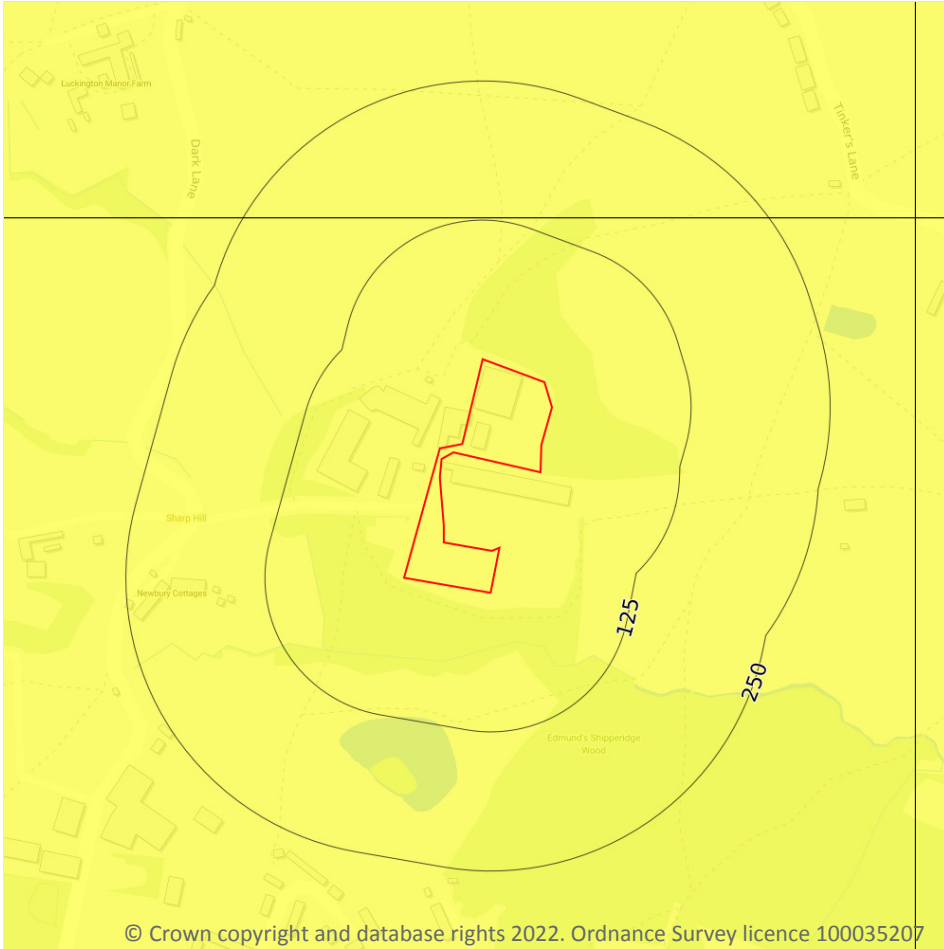
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 94**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

Records within 50m

1

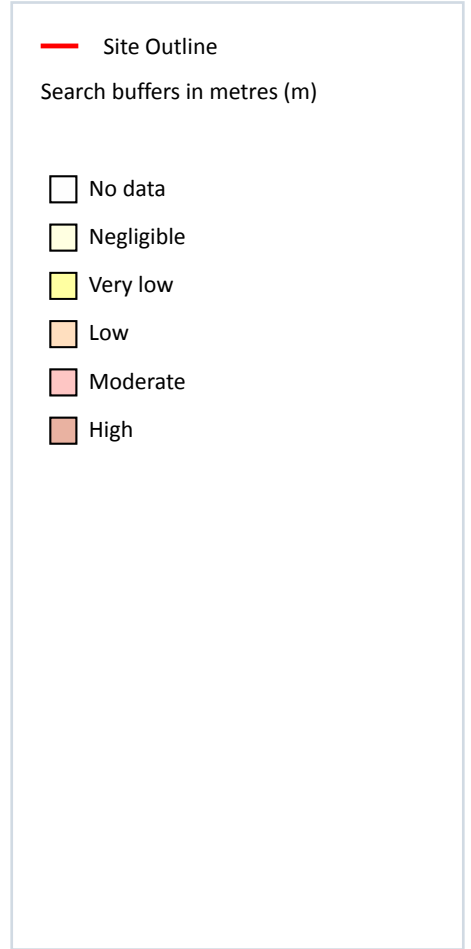
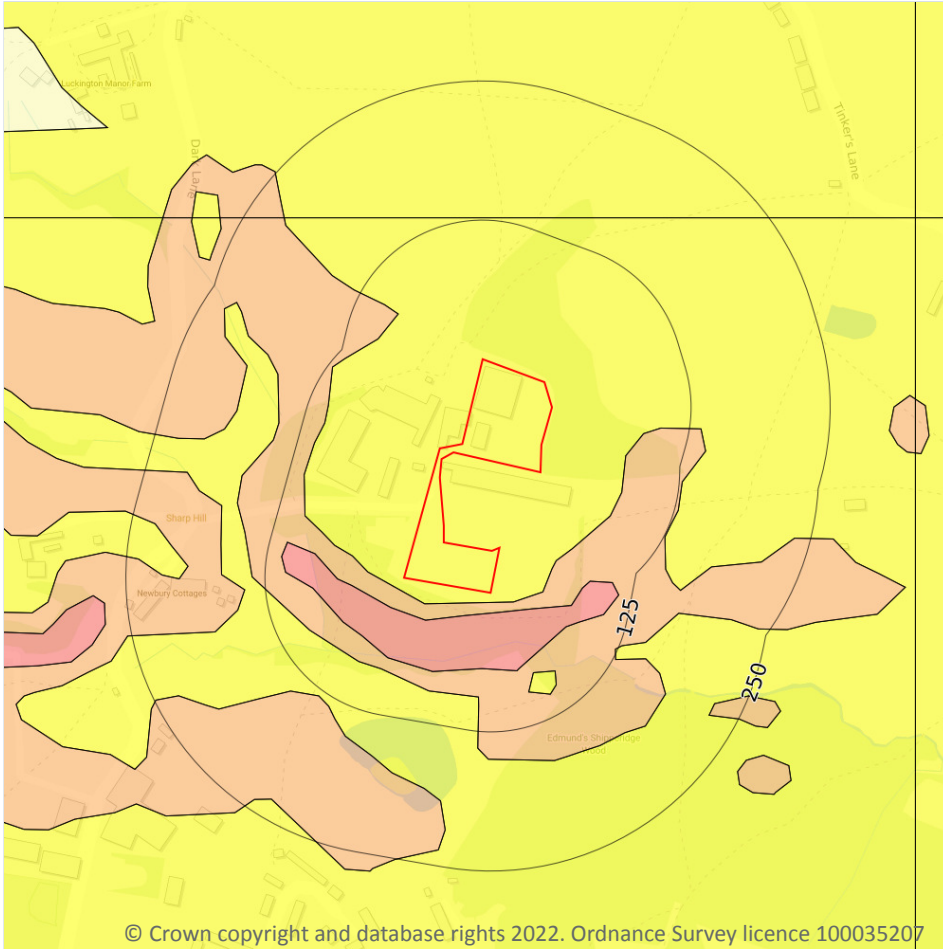
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 95**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

*This data is sourced from the British Geological Survey.*

## Natural ground subsidence - Landslides



### 17.5 Landslides

Records within 50m

3

The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

Features are displayed on the Natural ground subsidence - Landslides map on **page 96**

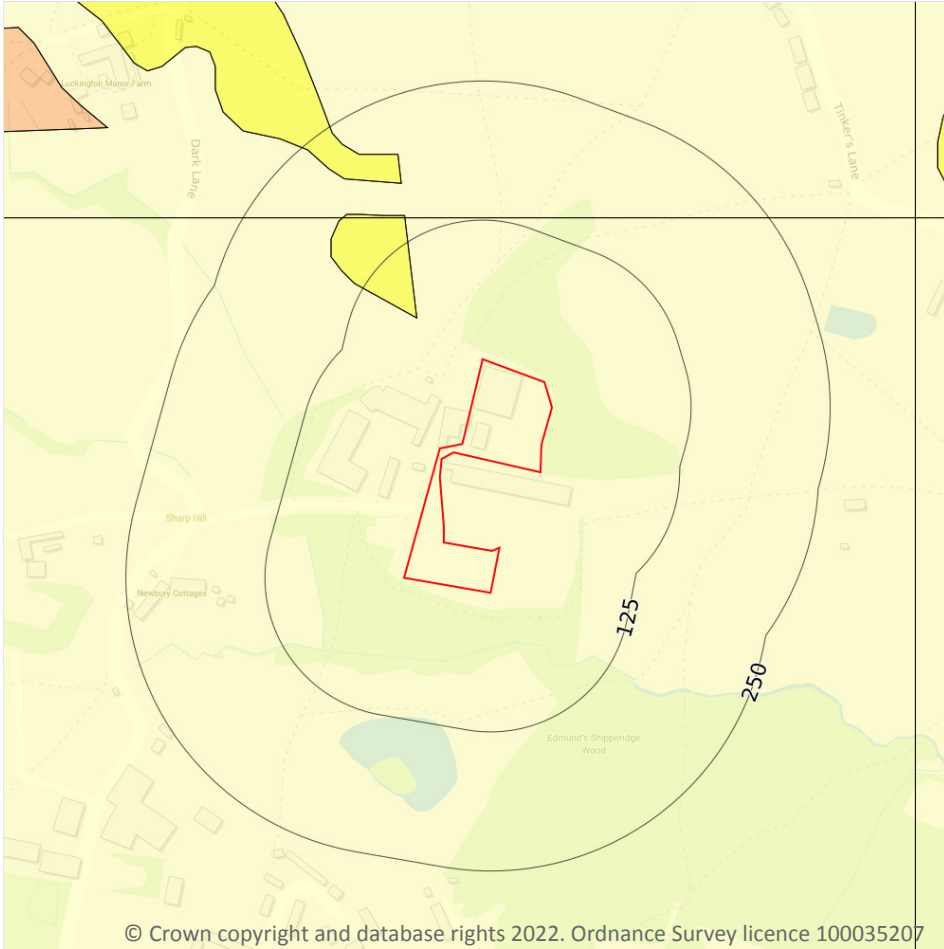
Location	Hazard rating	Details
On site	Very low	Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.

Location	Hazard rating	Details
9m S	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.
18m S	Moderate	Slope instability problems are probably present or have occurred in the past. Land use should consider specifically the stability of the site.

*This data is sourced from the British Geological Survey.*



## Natural ground subsidence - Ground dissolution of soluble rocks



### 17.6 Ground dissolution of soluble rocks

Records within 50m

1

The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

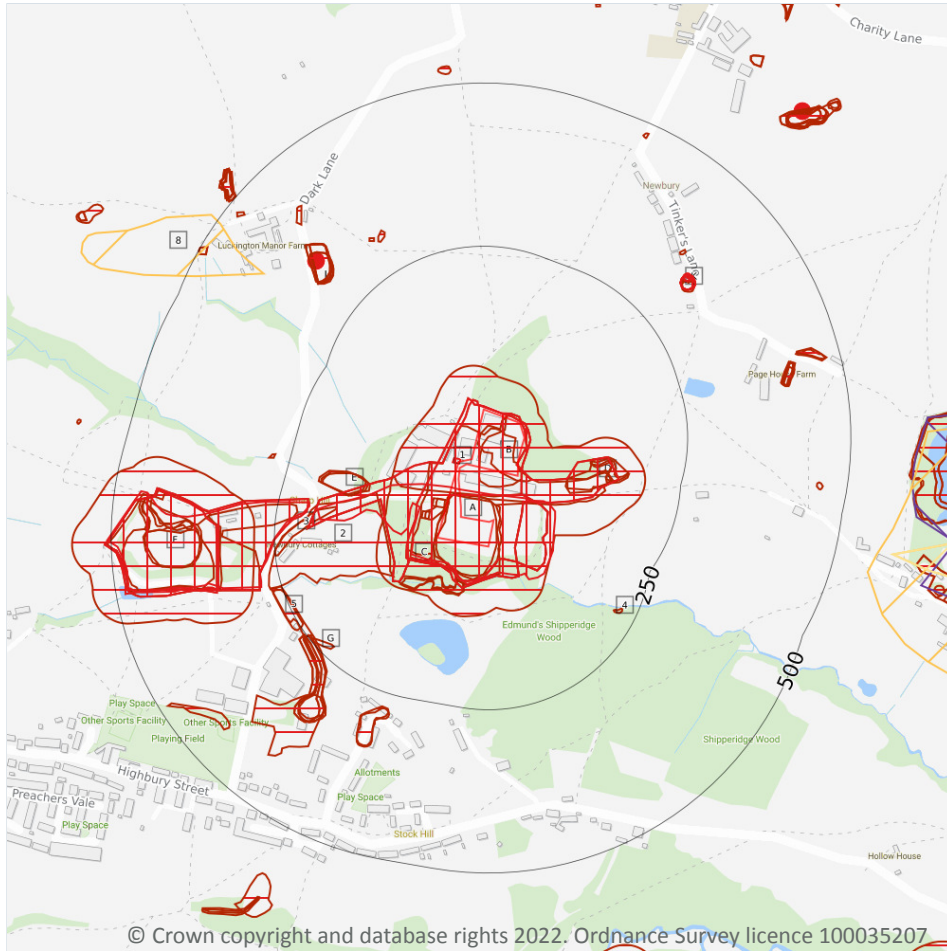
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 98**

Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

*This data is sourced from the British Geological Survey.*



## 18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

### 18.1 Natural cavities

Records within 500m

0

Industry recognised national database of natural cavities. Sinkholes and caves are formed by the dissolution of soluble rock, such as chalk and limestone, gulls and fissures by cambering. Ground instability can result from movement of loose material contained within these cavities, often triggered by water.

*This data is sourced from Stantec UK Ltd.*



## 18.2 BritPits

Records within 500m

1

BritPits (an abbreviation of British Pits) is a database maintained by the British Geological Survey of currently active and closed surface and underground mineral workings. Details of major mineral handling sites, such as wharfs and rail depots are also held in the database.

Features are displayed on the Mining, ground workings and natural cavities map on **page 100**

ID	Location	Details	Description
J	343m NW	Name: Dark Lane Quarry Address: Coleford, MIDSOMER NORTON, Somerset Commodity: Limestone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

*This data is sourced from the British Geological Survey.*

## 18.3 Surface ground workings

Records within 250m

33

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 100**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Disused Colliery	1932	1:10560
A	On site	Refuse Heap	1932	1:10560
A	On site	Colliery	1902	1:10560
A	On site	Refuse Heap	1902	1:10560
A	On site	Unspecified Heap	1884	1:10560
A	On site	Ponds	1884	1:10560
A	On site	Colliery	1884	1:10560
A	On site	Unspecified Heap	1884	1:10560
A	On site	Colliery	1884	1:10560
B	On site	Refuse Heap	1932	1:10560



ID	Location	Land Use	Year of mapping	Mapping scale
<b>B</b>	<b>On site</b>	<b>Refuse Heap</b>	<b>1902</b>	<b>1:10560</b>
A	3m W	Ponds	1902	1:10560
A	21m W	Pond	1902	1:10560
C	27m SW	Unspecified Ground Workings	1902	1:10560
C	57m S	Pond	1884	1:10560
C	59m S	Pond	1884	1:10560
D	75m E	Refuse Heap	1902	1:10560
D	76m E	Unspecified Heap	1884	1:10560
2	77m W	Sewage Works	1973	1:10000
D	106m E	Unspecified Ground Workings	1958	1:10560
D	108m E	Unspecified Ground Workings	1932	1:10560
E	121m W	Pond	1884	1:10560
E	125m W	Pond	1884	1:10560
E	128m W	Pond	1902	1:10560
3	161m W	Unspecified Pit	1884	1:10560
F	204m W	Disused Colliery	1932	1:10560
4	215m SE	Pond	1932	1:10560
F	218m W	Refuse Heap	1932	1:10560
G	230m SW	Unspecified Ground Workings	1932	1:10560
G	242m SW	Unspecified Ground Workings	1958	1:10560
5	245m SW	Unspecified Ground Workings	1932	1:10560
G	245m SW	Unspecified Ground Workings	1884	1:10560
G	248m SW	Unspecified Pit	1884	1:10560

*This data is sourced from Ordnance Survey/Groundsure.*





## 18.4 Underground workings

Records within 1000m

23

Historical land uses identified from Ordnance Survey mapping that indicate the presence of underground workings e.g. mine shafts.

Features are displayed on the Mining, ground workings and natural cavities map on **page 100**

ID	Location	Land Use	Year of mapping	Mapping scale
<b>1</b>	<b>On site</b>	<b>Unspecified Old Shaft</b>	<b>1932</b>	<b>1:10560</b>
<b>A</b>	<b>On site</b>	<b>Disused Colliery</b>	<b>1932</b>	<b>1:10560</b>
<b>A</b>	<b>On site</b>	<b>Colliery</b>	<b>1902</b>	<b>1:10560</b>
<b>A</b>	<b>On site</b>	<b>Unspecified Mine</b>	<b>1958</b>	<b>1:10560</b>
F	202m W	Unspecified disused mine	1958	1:10560
F	204m W	Disused Colliery	1932	1:10560
K	323m NE	Old Coal Pit	1932	1:10560
K	323m NE	Old Coal Pit	1902	1:10560
K	323m NE	Old Coal Pit	1884	1:10560
K	334m NE	Unspecified Disused Shaft	1971	1:10000
K	334m NE	Unspecified Disused Shaft	1987	1:10000
K	334m NE	Unspecified Disused Shaft	1961	1:10560
F	339m W	Colliery	1902	1:10560
K	339m NE	Unspecified Shaft	1902	1:10560
K	339m NE	Unspecified Old Shaft	1932	1:10560
-	692m S	Disused colliery	1902	1:10560
-	780m S	Unspecified Old Shafts	1958	1:10560
-	783m S	Unspecified Old Shafts	1932	1:10560
-	786m S	Unspecified Old Shafts	1932	1:10560
-	792m S	Unspecified Old Shafts	1958	1:10560
-	802m E	Tunnel	1902	1:10560
-	802m E	Tunnel	1932	1:10560
-	938m SE	Disused Colliery	1902	1:10560



*This data is sourced from Ordnance Survey/Groundsure.*

## 18.5 Historical Mineral Planning Areas

**Records within 500m**

**0**

Boundaries of mineral planning permissions for England and Wales. This data was collated between the 1940s (and retrospectively to the 1930s) and the mid 1980s. The data includes permitted, withdrawn and refused permissions.

*This data is sourced from the British Geological Survey.*

## 18.6 Non-coal mining

**Records within 1000m**

**3**

The potential for historical non-coal mining to have affected an area. The assessment is drawn from expert knowledge and literature in addition to the digital geological map of Britain. Mineral commodities may be divided into seven general categories - vein minerals, chalk, oil shale, building stone, bedded ores, evaporites and 'other' commodities (including ball clay, jet, black marble, graphite and chert).

Features are displayed on the Mining, ground workings and natural cavities map on **page 100**

ID	Location	Name	Commodity	Class	Likelihood
8	396m NW	Not available	Vein Mineral	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
O	556m E	Not available	Vein Mineral	B	Localised small scale underground mining may have occurred. Potential for difficult ground conditions are unlikely or localised and are at a level where they need not be considered
O	587m E	Not available	Vein Mineral	A	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

*This data is sourced from the British Geological Survey.*

## 18.7 Mining cavities

**Records within 1000m**

**0**

Industry recognised national database of mining cavities. Degraded mines may result in hazardous subsidence (crown holes). Climatic conditions and water escape can also trigger subsidence over mine entrances and workings.



*This data is sourced from Stantec UK Ltd.*

## 18.8 JPB mining areas

**Records on site** **0**

Areas which could be affected by former coal and other mining. This data includes some mine plans unavailable to the Coal Authority.

*This data is sourced from Johnson Poole and Bloomer.*

## 18.9 Coal mining

**Records on site** **1**

Areas which could be affected by past, current or future coal mining.

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

*This data is sourced from the Coal Authority.*

## 18.10 Brine areas

**Records on site** **0**

The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

*This data is sourced from the Cheshire Brine Subsidence Compensation Board.*

## 18.11 Gypsum areas

**Records on site** **0**

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.12 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

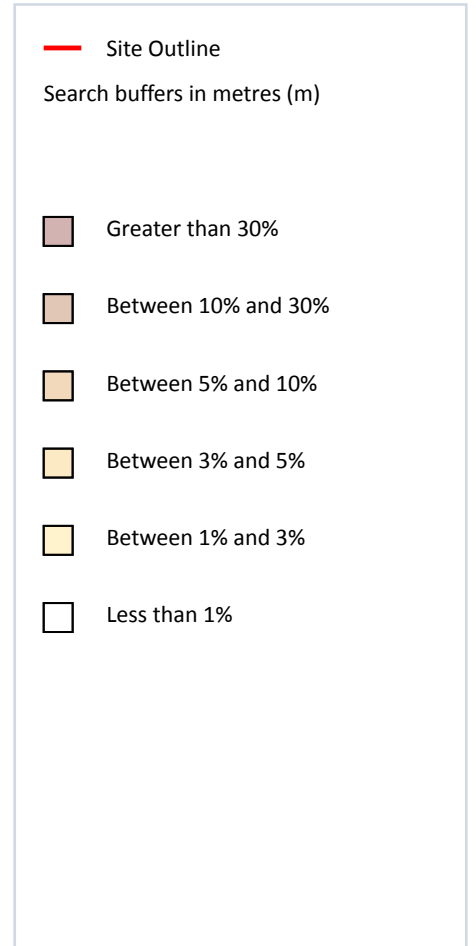
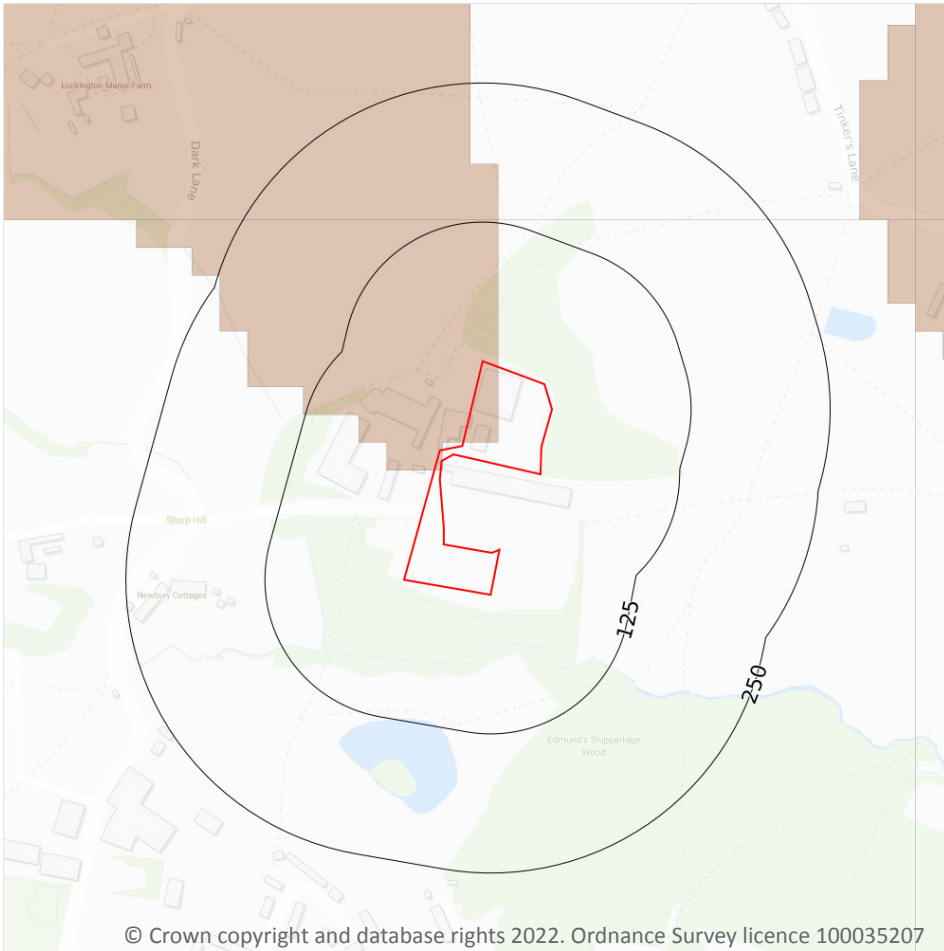
## 18.13 Clay mining

Records on site	0
-----------------	---

Generalised areas that may be affected by kaolin and ball clay extraction.

*This data is sourced from the Kaolin and Ball Clay Association (UK).*

## 19 Radon



### 19.1 Radon

#### Records on site

2

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 107**

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 10% and 30%	Full
On site	Less than 1%	None**

*This data is sourced from the British Geological Survey and Public Health England.*



## 20 Soil chemistry

### 20.1 BGS Estimated Background Soil Chemistry

Records within 50m

4

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km<sup>2</sup>. In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km<sup>2</sup>; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
35m NW	25 - 35 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
41m SW	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

*This data is sourced from the British Geological Survey.*

### 20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km<sup>2</sup>).

*This data is sourced from the British Geological Survey.*



## 20.3 BGS Measured Urban Soil Chemistry

Records within 50m

0

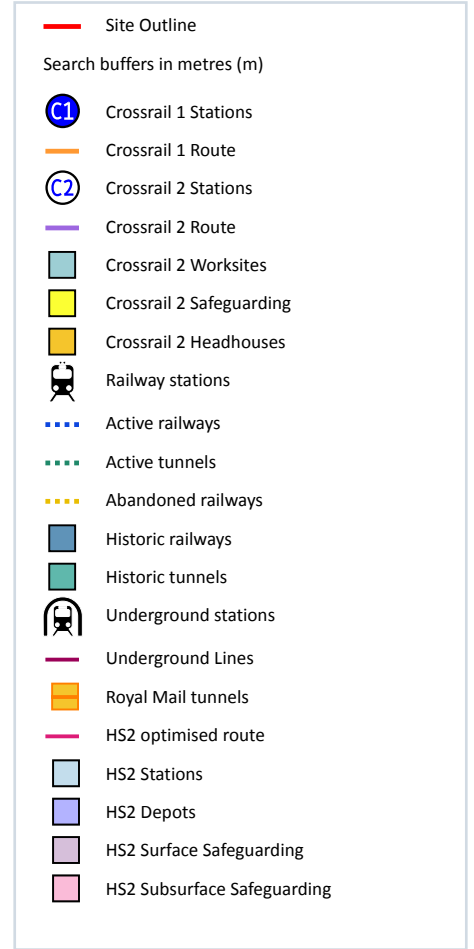
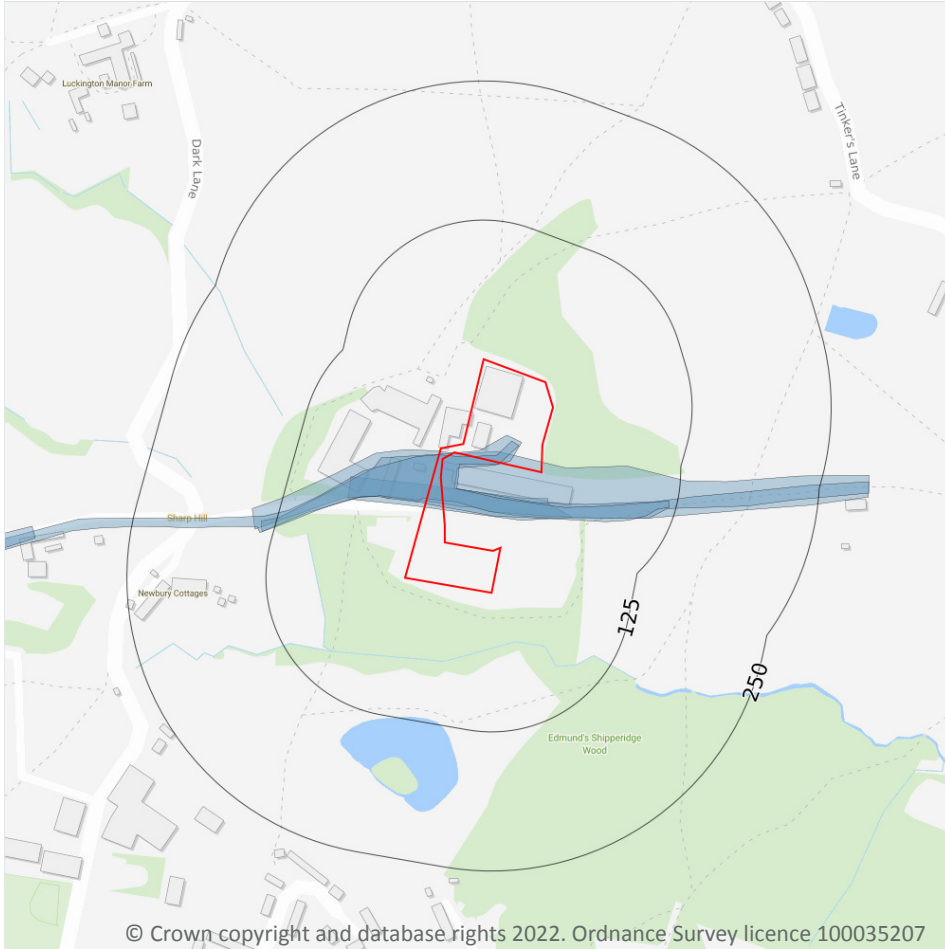
The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km<sup>2</sup>.

*This data is sourced from the British Geological Survey.*





## 21 Railway infrastructure and projects



### 21.1 Underground railways (London)

Records within 250m

0

Details of all active London Underground lines, including approximate tunnel roof depth and operational hours.

*This data is sourced from publicly available information by Groundsure.*

### 21.2 Underground railways (Non-London)

Records within 250m

0

Details of the Merseyrail system, the Tyne and Wear Metro and the Glasgow Subway. Not all parts of all systems are located underground. The data contains location information only and does not include a depth assessment.

*This data is sourced from publicly available information by Groundsure.*

### 21.3 Railway tunnels

**Records within 250m** **0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

### 21.4 Historical railway and tunnel features

**Records within 250m** **3**

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 111**

Location	Land Use	Year of mapping	Mapping scale
On site	Railway Sidings	1932	10560
On site	Railway Sidings	1902	10560
On site	Railway Sidings	1884	10560

*This data is sourced from Ordnance Survey/Groundsure.*

### 21.5 Royal Mail tunnels

**Records within 250m** **0**

The Post Office Railway, otherwise known as the Mail Rail, is an underground railway running through Central London from Paddington Head District Sorting Office to Whitechapel Eastern Head Sorting Office. The line is 10.5km long. The data includes details of the full extent of the tunnels, the depth of the tunnel, and the depth to track level.

*This data is sourced from Groundsure/the Postal Museum.*

### 21.6 Historical railways

**Records within 250m** **0**

Former railway lines, including dismantled lines, abandoned lines, disused lines, historic railways and razed lines.

*This data is sourced from OpenStreetMap.*



## 21.7 Railways

Records within 250m

0

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

*This data is sourced from Ordnance Survey and OpenStreetMap.*

## 21.8 Crossrail 1

Records within 500m

0

The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

*This data is sourced from publicly available information by Groundsure.*

## 21.9 Crossrail 2

Records within 500m

0

Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

*This data is sourced from publicly available information by Groundsure.*

## 21.10 HS2

Records within 500m

0

HS2 is a proposed high speed rail network running from London to Manchester and Leeds via Birmingham. Main civils construction on Phase 1 (London to Birmingham) of the project began in 2019, and it is currently anticipated that this phase will be fully operational by 2026. Construction on Phase 2a (Birmingham to Crewe) is anticipated to commence in 2021, with the service fully operational by 2027. Construction on Phase 2b (Crewe to Manchester and Birmingham to Leeds) is scheduled to begin in 2023 and be operational by 2033.

*This data is sourced from HS2 Ltd.*

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## Data providers

Groundsure works with respected data providers to bring you the most relevant and accurate information. To find out who they are and their areas of expertise see <https://www.groundsure.com/sources-reference>.

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## Terms and conditions

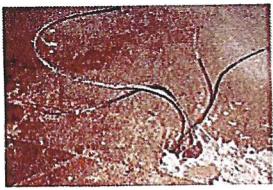
Groundsure's Terms and Conditions can be accessed at this link: <https://www.groundsure.com/terms-and-conditions-jan-2020/>.



## APPENDIX B

### Schedule of Condition Report

**SCHEDULE OF CONDITION**



DSC03388



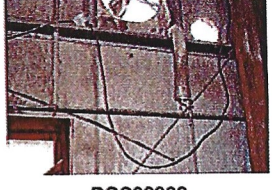
DSC03389



DSC03390



DSC03391



DSC03392



DSC03393



DSC03394



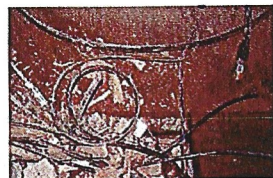
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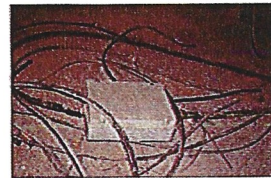
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DSC03397



DSC03398



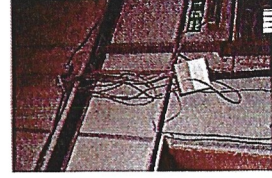
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DSC03400



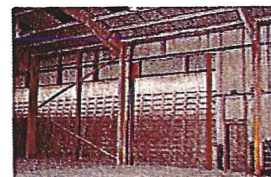
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DSC03402



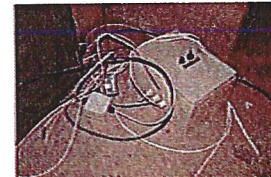
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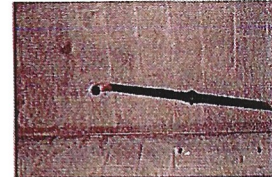
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DSC03405



DSC03406



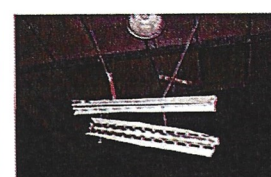
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DSC03408



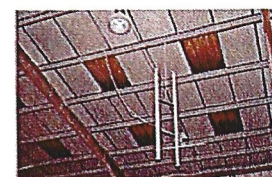
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DSC03410



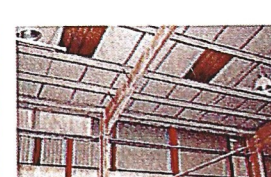
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DSC03412



DSC03413



DSC03414



DSC03415



DSC03416



DSC03417



DSC03418



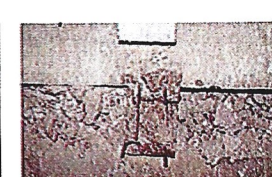
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DSC03420



DSC03421



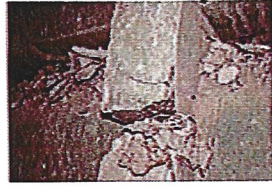
DSC03422



DSC03423



DSC03424



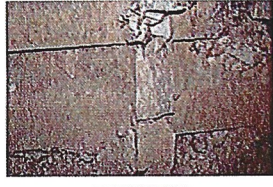
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DSC03426



DSC03427



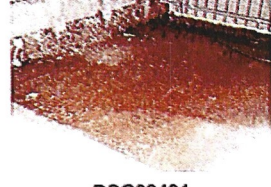
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DSC03429



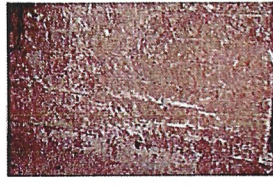
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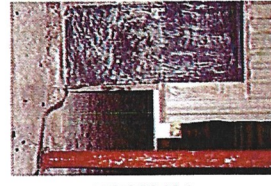
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DSC03432



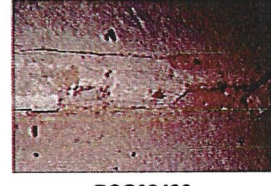
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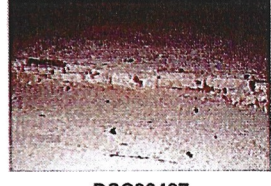
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DSC03435



DSC03436



DSC03437



DSC03438



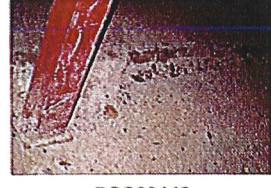
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DSC03440



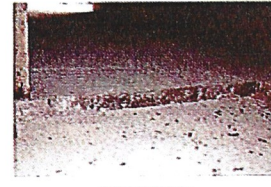
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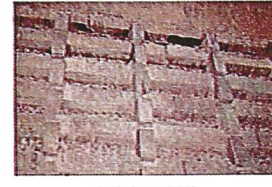
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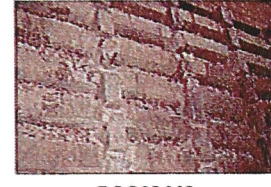
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DSC03444



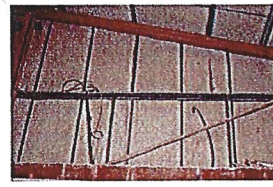
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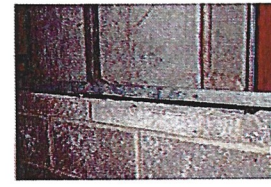
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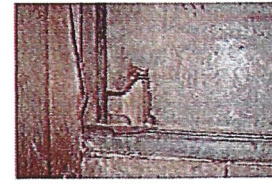
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DSC03448



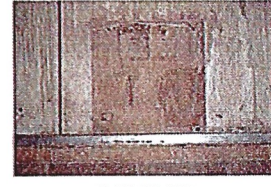
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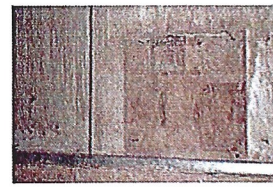
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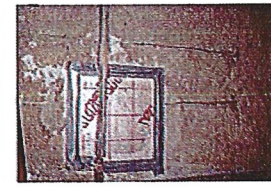
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DSC03452



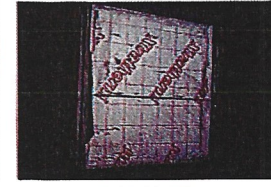
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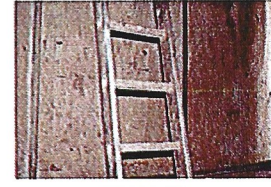
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DSC03455

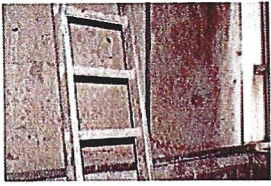


DSC03456



DSC03457





DSC03458



DSC03459



DSC03460



DSC03461



DSC03462



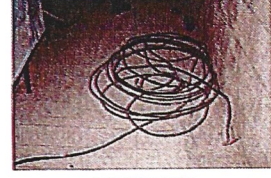
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DSC03464



DSC03465



DSC03466



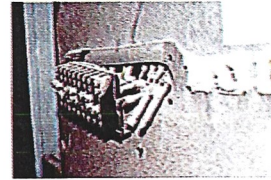
DSC03467



DSC03468



DSC03469



DSC03470



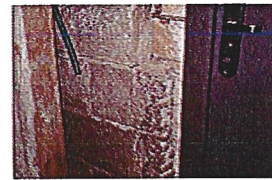
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DSC03472



DSC03473



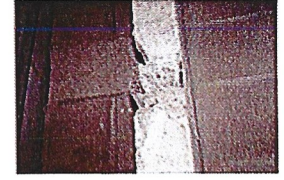
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DSC03475



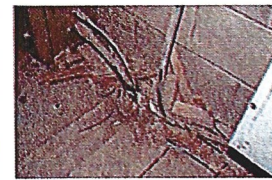
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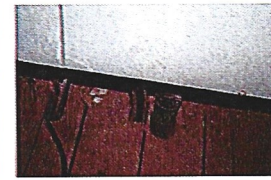
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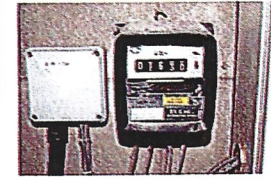
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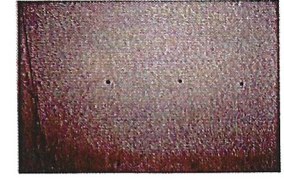
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DSC03480



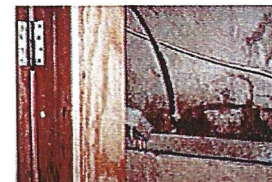
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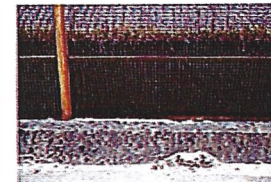
DSC03482



DSC03483



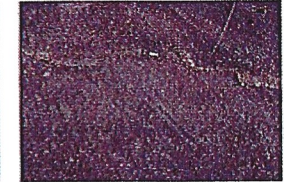
DSC03484



DSC03485



DSC03486



DSC03487



DSC03488



DSC03489



DSC03490



DSC03491



DSC03492



DSC03493



DSC03494



DSC03495



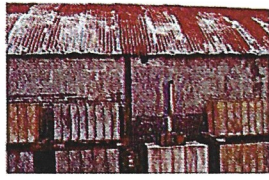
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DSC03497



DSC03498



DSC03499



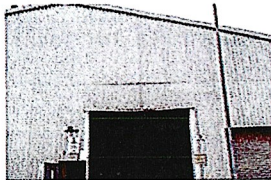
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DSC03501



DSC03502



DSC03503



DSC03504



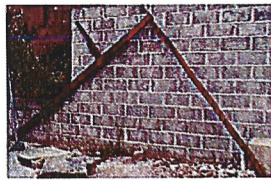
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DSC03506



DSC03507



DSC03508



DSC03509



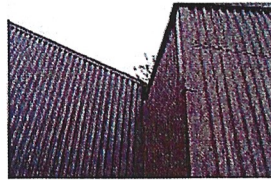
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DSC03511



DSC03512



DSC03513



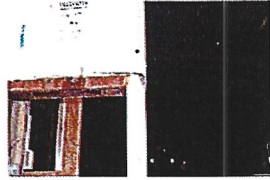
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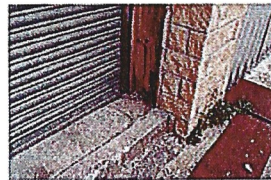
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DSC03516



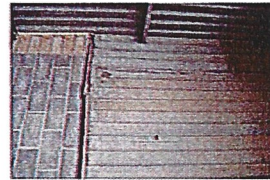
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DSC03518



DSC03519



DSC03520



DSC03521



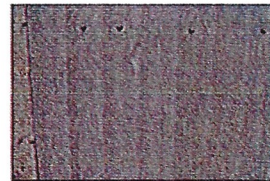
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DSC03523



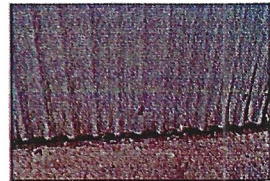
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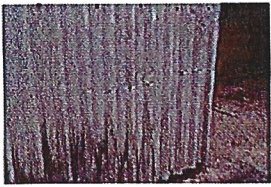
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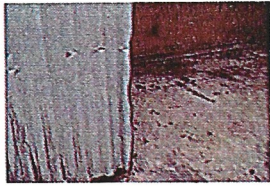
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DSC03527



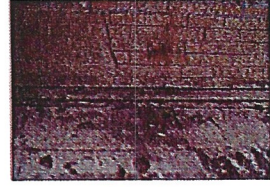
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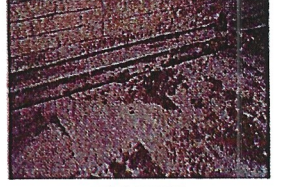
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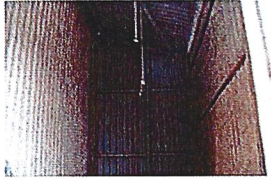
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DSC03531



DSC03532



DSC03533



DSC03534



DSC03535



DSC03536



DSC03537



DSC03538



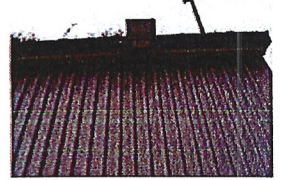
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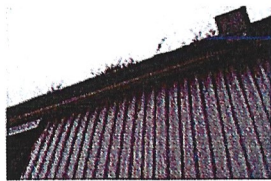
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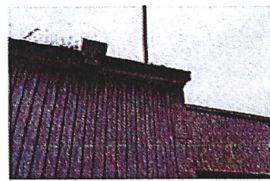
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DSC03542



DSC03543



DSC03544



DSC03545



DSC03546



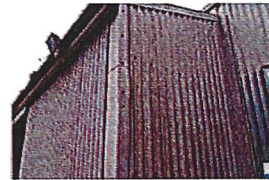
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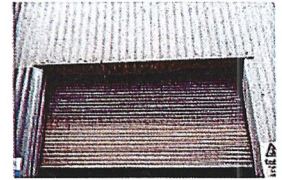
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DSC03550



DSC03551



DSC03552



DSC03553



DSC03554



DSC03555



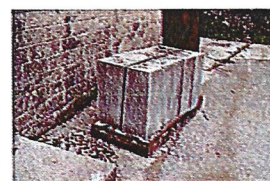
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DSC03557



DSC03558



DSC03559



DSC03560



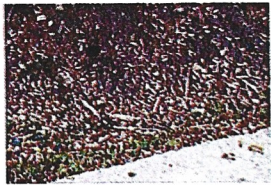
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DSC03562



DSC03563



DSC03564



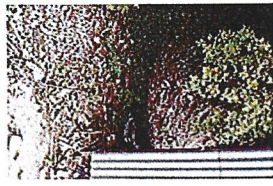
DSC03565



DSC03566



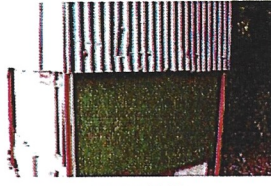
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DSC03568



DSC03569



DSC03570



DSC03571



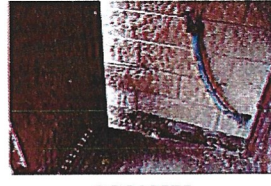
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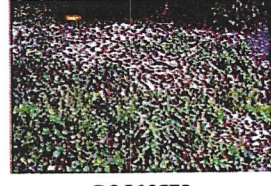
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DSC03574



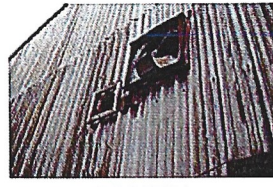
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DSC03576



DSC03577



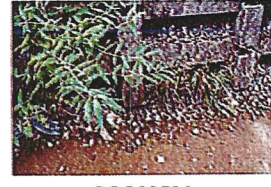
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DSC03579



DSC03580



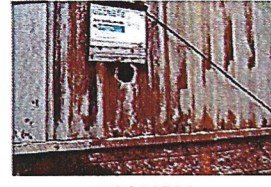
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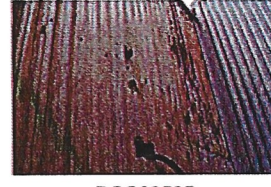
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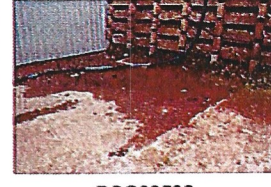
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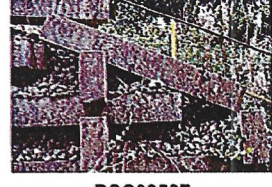
DSC03584



DSC03585



DSC03586



DSC03587



DSC03588



DSC03589



DSC03590



DSC03591



DSC03592



DSC03593



DSC03594



DSC03595



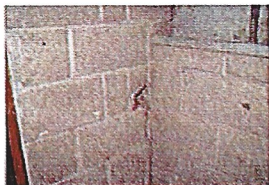
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DSC03597



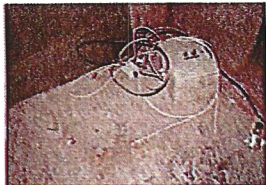
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DSC03599



DSC03600



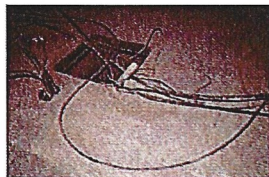
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DSC03602



DSC03603



DSC03604



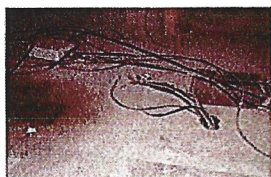
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DSC03606



DSC03607



DSC03608



DSC03609



DSC03610



DSC03611



DSC03612



DSC03613



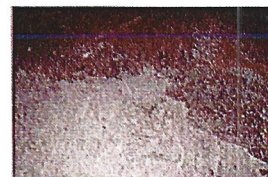
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DSC03615



DSC03616



DSC03617



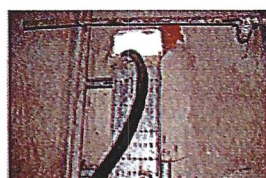
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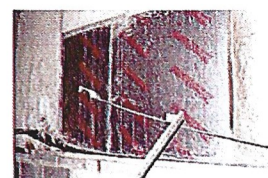
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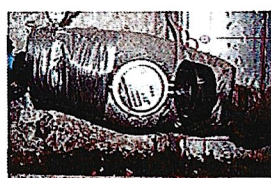
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DSC03621



DSC03622



DSC03623



DSC03624



DSC03625



DSC03626



DSC03627



DSC03628



DSC03629



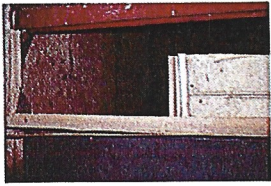
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DSC03631



DSC03632



DSC03633



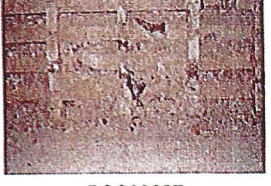
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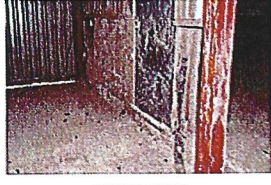
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DSC03636



DSC03637



DSC03638



DSC03639



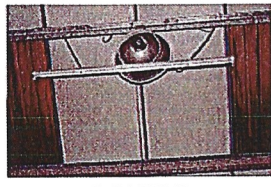
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DSC03641



DSC03642



DSC03643



DSC03644



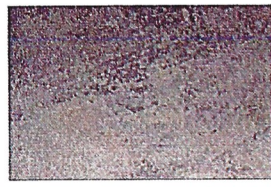
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DSC03646



DSC03647



DSC03648



DSC03649



DSC03650



DSC03651



DSC03652



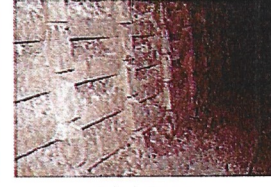
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DSC03654



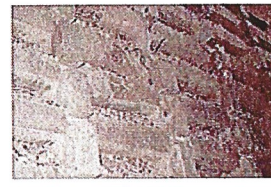
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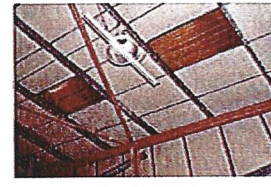
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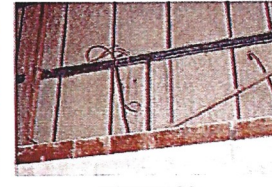
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DSC03658



DSC03659



DSC03660



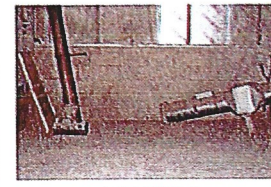
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DSC03662



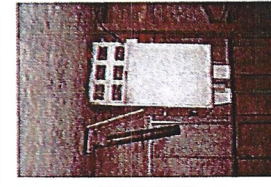
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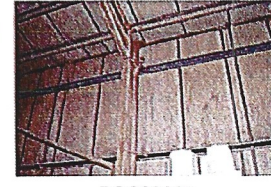
DSC03664



DSC03665



DSC03666



DSC03667



DSC03668



DSC03669



DSC03670



DSC03671



DSC03672



DSC03673



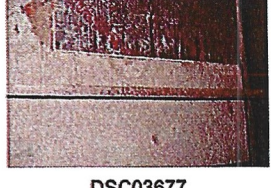
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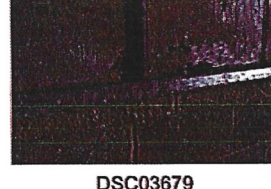
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DSC03677



DSC03678



DSC03679



DSC03680



DSC03681



DSC03682



DSC03683



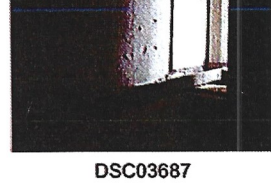
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DSC03685



DSC03686



DSC03687



DSC03688



DSC03689



DSC03690



DSC03691



DSC03692



DSC03693



DSC03694



DSC03695



DSC03696



DSC03697



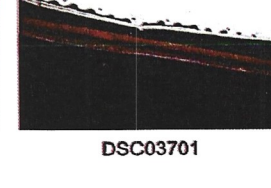
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DSC03699



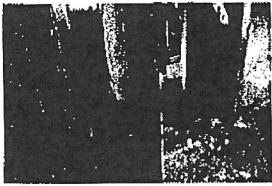
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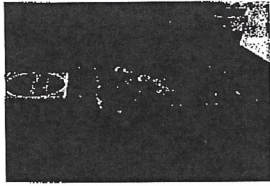
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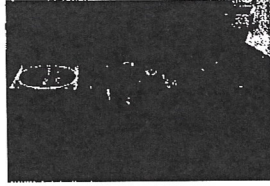
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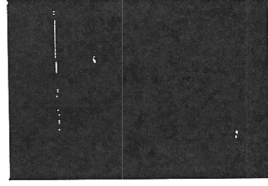
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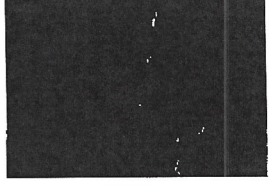
DSC03704



DSC03705



DSC03706



DSC03707



DSC03708



DSC03709



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