

**PHASE 1: CONTAMINATED LAND &  
GEOTECHNICAL DESK STUDY REPORT**  
Proposed Commercial Development  
Canford Energy Park, Bournemouth, Hampshire

Prepared for: Canford Renewable Energy

Date: September 2022

Report No: EX-21-001/P1



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**REPORT TITLE :** Phase 1 Contaminated Land & Geotechnical Desk Study Report:

**Proposed Commercial Development**

**Canford Energy Park, Bournemouth, Hampshire**

**REPORT STATUS :** Final

**REVISION :** 00

**JOB NUMBER :** EX-21-001/P1

**DATE :** September 2022

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## ***Executive Summary***

<b><i>Proposals</i></b>		Canford Renewable Energy is proposing the construction of a new commercial development within land at Canford Energy Park, Bournemouth, Hampshire. The proposed development will consist of an Energy from Waste (EfW) Incinerator building and associated infrastructure.
<b><i>Geology</i></b>		<p>The Geological Map of the area shows the site to be underlain by the Poole Formation, which typically comprises both sand and clay units.</p> <p>Superficial deposits in the form of River Terrace Deposits - 10 are shown to overlie the bedrock geology of the area, which typically comprise of sand and gravel, locally with lenses of silt, clay or peat.</p>
<b><i>Mining</i></b>		In summary, the risk from underground and/or surface mining activity is likely to be <b>Moderate</b> .
<b><i>Preliminary Geotechnical Risk Assessment</i></b>		The preliminary geotechnical risk assessment has revealed that a <b>Moderate</b> risk is present from geotechnical aspects, with particular risk specifically associated with the likely presence of made ground and poor shallow ground conditions.
<b><i>Recommendations</i></b>		In order to confirm the above preliminary geotechnical risk assessment, it is recommended that a Phase 2 Intrusive Site Investigation is undertaken in order to determine the ground conditions and confirm relevant geotechnical aspects.
<b><i>Potential Sources of Contamination</i></b>	<b><i>On-site</i></b>	<p>Historically, the site has typically comprised of woodland, marshland, heathland before becoming an overspill lake for the adjacent sand and gravel pit to the northwest sometime around 1989.</p> <p>Currently, the site comprises a vehicle / storage area for the adjacent industrial recycling companies' operations.</p>
	<b><i>Off-site</i></b>	<p>Historically, the surrounding area (&lt;250m) has typically comprised of several sand and gravel quarries, farming land/nurseries and landfill sites.</p> <p>Present day and historical uses of the surrounding area have a number of potential contamination sources including quarries with subsequent landfilling and adjacent recycling centre.</p>
	<b><i>Gas Migration</i></b>	Due to the presence of influencing landfills, underlying organic material (e.g. peat) and significant Made Ground, the presence of ground gas cannot be ruled out.
<b><i>Preliminary Human Health &amp; Environmental Risk Assessment</i></b>		<p>The preliminary human health and environmental risk assessment has revealed that due to the sites and surrounding areas current and past land uses that a <b>Moderate</b> risk is present from contamination present beneath the site, with particular risk specifically associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre.</p> <p>In addition, a <b>Low</b> risk is present from the migration of radon gas, a <b>Moderate</b> risk from the migration of landfill gas and a <b>Moderate</b> risk from the migration of ground gas.</p>
<b><i>Recommendations</i></b>		Based on a <b>Moderate</b> overall risk rating, in order to confirm the above preliminary human health and environmental risk assessment it is recommended that a Phase 2 Ground Investigation is undertaken comprising site specific soil chemical testing in order to determine the ground conditions, soil chemistry and any environmental liability associated with the site.

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Drawing 2.1: Site Location Plan  
Drawing 4.1: Preliminary Conceptual Site Model

## SECTION 1 Introduction and Proposed Development

Canford Renewable Energy is proposing the construction of a new commercial development within land at Canford Energy Park, Bournemouth, Hampshire. The proposed development will consist of an Energy from Waste (EfW) Incinerator building and associated infrastructure.

Terra Firma (South) have been commissioned as Geotechnical and Geo-Environmental Engineers to carry out a Phase 1 Contaminated Land & Geotechnical Desk Study of the site.

The main objectives of the desk study were to:

- Undertake a walk over survey of the site in order to identify relevant features.
- Investigate the history of the site by referring to old Ordnance Survey Maps.
- Determine the likely geological conditions beneath the site including soil/rock types, groundwater and if Made Ground is likely to be present beneath the site.
- Identify any potential risks associated with past uses of the site.

Based on the desk study information, the following assessment is to be made:

- Identify the likely potential environmental liabilities at the site associated with any soil and groundwater contamination from past site uses.
- Identify if ground gas emissions either from the site or surrounding areas is likely to be present.
- Identify the likely potential geo-technical liabilities at the site associated with any ground stability issues.

The desk study has been undertaken in accordance with the following advisory guidance:

- Model Procedures for the Management of Contaminated Land (CLR11): 2004
- Investigation of Potentially Contaminated Sites – CoP (BS 10175): 2011 + A2:2017
- Guidance for the Safe Development of Housing on Land Affected by Contaminated Land – NHBC (R&D Publication 66): 2008
- Code of Practice for Ground Investigations (BS5930): 2015 + A1:2020

### 1.1 Limitations and Exceptions of Investigation

Canford Renewable Energy has requested that a Phase 1 Contaminated Land & Geotechnical Desk Study be performed in order to determine the past history, likely ground conditions and possibility of contamination and ground gasses beneath the site.

The Phase 1 Contaminated Land & Geotechnical Desk Study was conducted and this report has been prepared for the sole internal reliance of Canford Renewable Energy and their design and construction team. This report shall not be relied upon or transferred to any other parties without the express written authorisation of Terra Firma (South). If an unauthorised third party comes into possession of this report, they rely on it at their peril and the authors owe them no duty of care and skill.

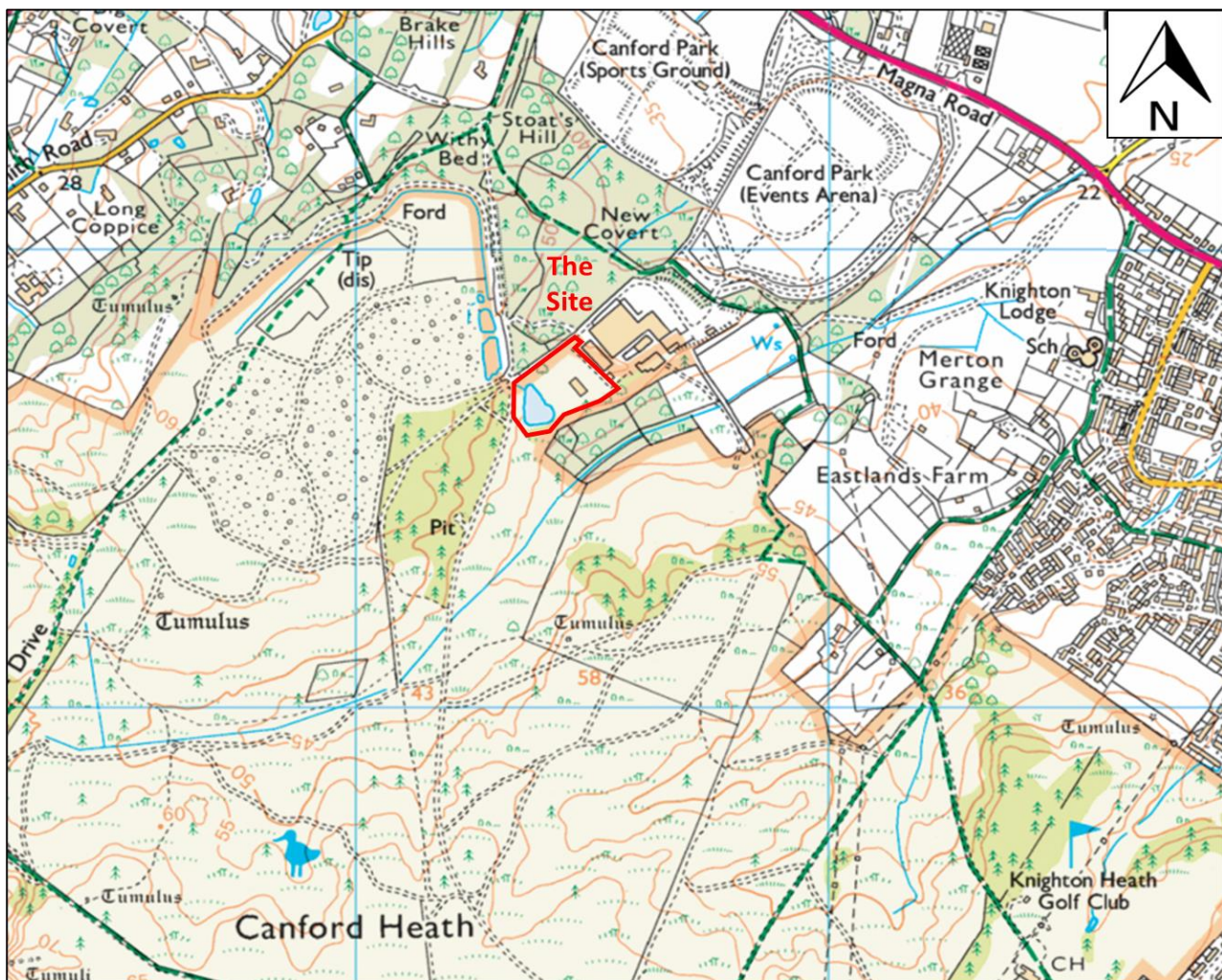
The report represents the findings and opinions of experienced geo-environmental and geo-technical consultants. Terra Firma (South) does not provide legal advice and the advice of lawyers may also be required.

## SECTION 2 Review of Existing Data

### 2.1 Physical Setting

The proposed development is to be located on land within Canford Energy Park, Bournemouth, Hampshire, BH21 3AL.

The site is centred approximately on National Grid Reference (NGR) 403415, 096689. The site location is presented in **Drawing 2.1** below.



**Drawing 2.1:** Site Location Plan

The site is irregular in shape with a plan area of approximately 2.38 hectares and sits between approximately 42-54 m above ordnance datum (aod).

The topography of the site is typically flat. The topography of the surrounding area typically slopes towards the Southeast.

The site boundaries comprise the following:

- North – The northern boundary comprises of woodland and AMS Concrete facility.
- East – The eastern boundary comprises of Wimborne Recycling Centre, AMS Recycled Aggregates and Avon Material Supplies.
- South – The southern boundary comprises of woodland and fields.
- West – The western boundary comprises of woodland, Doset Concrete and ready 2 Mix Ltd.

### 2.1.1 Current Use and Site Conditions

A walk-over survey was undertaken on the 20th of June 2022 by a Terra Firma (South) Engineer. The site is accessed via industrial roads circling Canford Energy Park. At the time of the walk-over survey the site currently comprises industrial recycling companies, operations, and users.

During the walk-over survey the following photographs were taken:

**Table 2.1: Walk-over Survey Photographs**



**Photo 1:** Truck parking area. Northeast orientation



**Photo 2:** Truck parking area. East orientation

## 2.1.2 Current Land Uses

The following potentially current contaminative land uses are within 250m of the site:

Table 2.2: Potentially Contaminative Land Uses (Current)			
Land Use	Activity	Distance from Site (m)	Direction
Public Recycling Facility	Recycling Centres	66	E
Chimney	Chimneys	70	NE
Electricity Sub Station	Electrical Features	79	NE
New Earth Solutions	Recycling, Reclamation and Disposal	80	NE
Commercial Recycling	Waste Storage, Processing and Disposal	80	NE
Hopper	Hoppers and Silos	141	NE
Works	Unspecified Works Or Factories	169	NE
Workings (Dis)	Unspecified Quarries Or Mines	214	SW

There are no Petrol & Fuel Sites located within 250m of the site.

There are no National Grid High Voltage Underground Electricity Transmission Cables or High-Pressure Gas Transmission Pipelines within 250m of the site.

## 2.2 Historical Setting

The history of the site has been traced using historic maps from a GroundSure MapInsight Report and from historical land use database information obtained from a GroundSure Enviroinsight Report.

The reports are presented in **Annex A**, with key years and information being discussed below:

Table 2.3: Site History			
Map Edition	Scale	Key Features On-site	Key Features Off-site (<250m)
1887	1:10,560	The site is comprised of woodland and marshland.	To the North of the site there is woodland, Old Gravel Pits and a reservoir. To the Northeast a Gravel Pit, to the east is Frogmoor Cottage and fields. To the South and West are fields and woodland areas.
1889	1:2,500	No change from previous edition.	On the Northern and Western boundary of the site there is a trackway.
1896	1:10,560	Map Incomplete.	Map Incomplete.
1899	1:10,560	Map Incomplete.	Map Incomplete.
1900	1:10,560	No change from previous edition.	To the East of the site one of the fields has become a nursery.
1901	1:2,500	No change from previous edition.	No change from previous edition.
1908	1:10,560	Map Incomplete.	Map Incomplete.
1926	1:10,560	No change from previous edition.	To the East of the site there are two wells near Frogmoor Cottage.
1928	1:2,500	No change from previous edition.	No change from previous edition.
1934	1:10,560	No change from previous edition.	No change from previous edition.
1934	1:2,500	No change from previous edition.	No change from previous edition.
1938	1:10,560	Map Incomplete.	Map Incomplete.
1940	1:10,560	No change from previous edition.	No change from previous edition.

1954	1:2,500	No change from previous edition.	The trackway to the west has been developed into a road.
1963	1:10,560	The site appears to be more heathland than woodland.	To the North of the site there is a point where water issues from the ground. To the South a few fields have been developed into woodland. In the west the previous woodland has been removed to make space for heathland.
1974	1:10,000	No change from previous edition.	To the Northwest of the site a Sand and Gravel Pit has been developed.
1982	1:10,000	No change from previous edition.	The Sand and Gravel pit has expanded and now borders the Northwest corner of the site.
1988	1:10,000	No change from previous edition.	The Sand and Gravel pit has expanded further South.
1989	1:2,500	Most of the site is taken up by a lake.	No change from previous edition.
1993	1:2,500	No change from previous edition.	The site is surrounded by scrubland, heathland and non-coniferous trees, with a refuse tip to the Northwest and a Gravel pit to the Southwest.
2001	1:10,000	No change from previous edition.	The Northern boundary of the site now has a road running across it. To the Northwest of the site there is a Landfill site in the old Sand and Gravel Pit.
2003	1:1,250	No change from previous edition.	Building development to the Northeast of the site, buildings are unidentifiable as commercial or residential.
2010	1:10,000	The lake on site appears much smaller and has split into several different lakes.	The buildings to the Northwest are now identified as "works".
2021	1:10,000	The works to the Northeast of the site have developed to the southwest with a building now appearing on site, there is now only one smaller lake in the western half of the site.	The road network around the site has advanced and several lakes now appear to the northwest of the site.

The following specific historic contaminative land uses are within 250m of the site:

**Table 2.4: Potentially Contaminative Land Uses (Historic)**

Land Use	Date	Distance from Site (m)	Direction
Cuttings	1934 - 1940	On Site	-
Unspecified Disused Pit	1982	4	NE
Sand and Gravel Pit	1982	6	W
Sand and Gravel Pit	1988	10	NW
Nursery	1900	33	SE
Cuttings	1934 - 1940	47	NW
Sand and Gravel Pit	1973	58	W
Cuttings	1940	129	NW
Cuttings	1934	132	NW
Cuttings	1973	161	NW
Sand Pit	1963 - 1973	213	SW
Old Gravel Pit	1963	243	NW
Gravel Pit	1887	249	NE

There are no historical tanks within 250m of the site.

There are no historical energy features within 250m of the site.

There are no historical petrol and fuel sites within 250m of the site.

There are no historical garage and motor vehicle repair sites within 250m of the site.

### 2.2.1 Preliminary UXO Risk Assessment

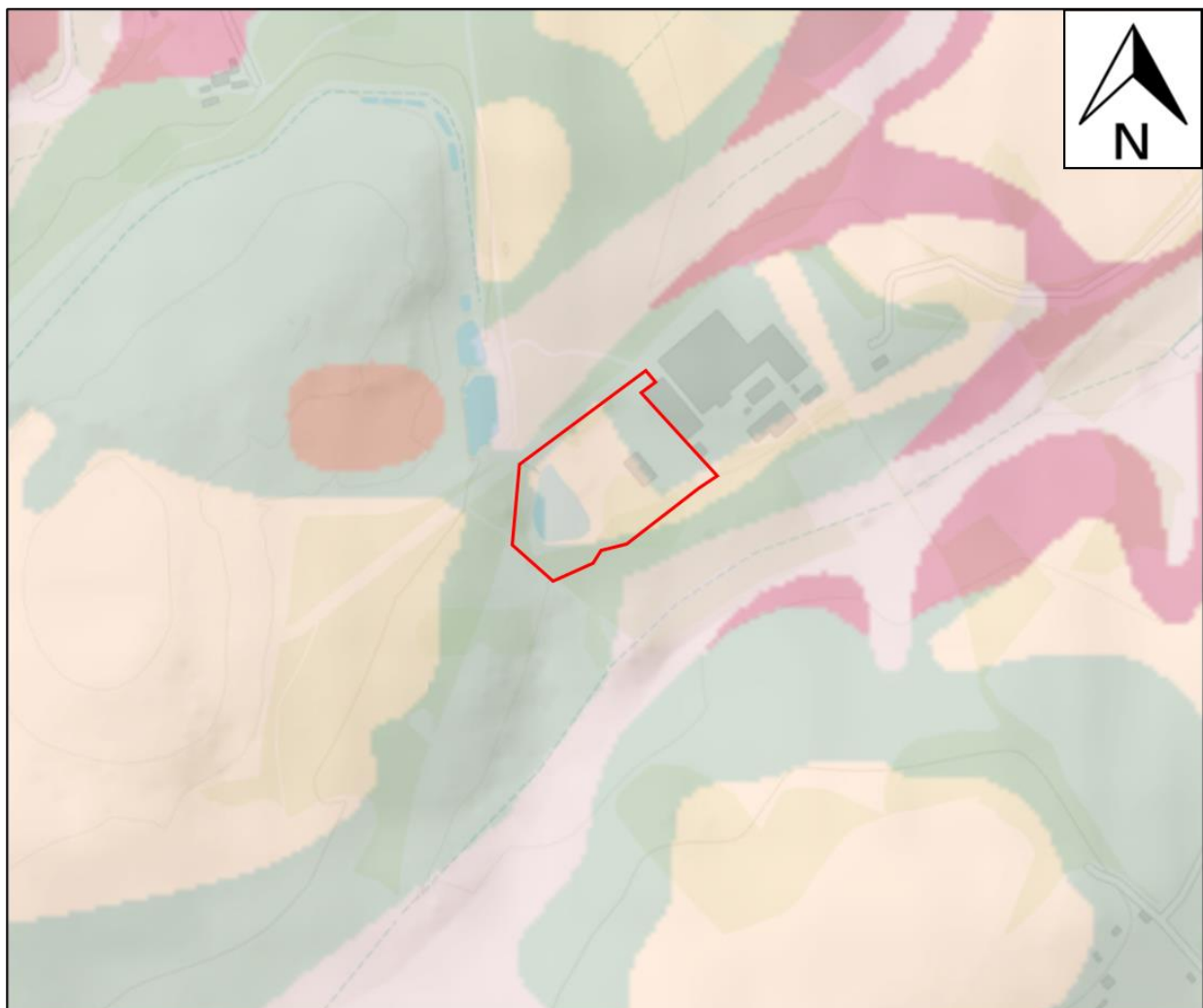
There are no historical military sites within 250m of the site.

Based on the historical setting of the site and UXB Risk Maps, little or no military activity has been recorded within the area. Therefore, the risk from Unexploded Ordnance (UXO) is considered to be low.

## 2.3 Geological Setting

### 2.3.1 Geology

The 1:50,000-scale Geological Map of the area shows the site to be underlain by the Poole Formation of Palaeogene Age. The BGS describes Poole Formation as four stacked depositional sequences, each based by an erosion surface and comprising a lower sand unit and an upper clay unit. Sand units: These often have a basal pebble lag. They are medium- to coarse-grained, partly trough and planar cross-bedded, often with water-escape structures, and some thin and lenticular clays.



Superficial deposits in the form of River Terrace Deposits - 10 are shown to overlie the bedrock geology of the area. These deposits typically comprise of sand and gravel, locally with lenses of silt, clay or peat.

Due to the nature and history of the site the presence of significant Made Ground is expected.

The British Geological Survey (BGS) online database has been consulted. No boreholes are located close enough to the site to give pertinent information.

### 2.3.2 Aggressive Ground Conditions

#### Natural Ground

In natural ground, sulphates most commonly occur in the form of hydrated calcium sulphate (gypsum). The likelihood of sulphates being present in natural ground depends on the geological strata, weathering and groundwater flow. With reference to Figure C2 of BRE SD1: 2005 'Concrete in aggressive ground', the geological strata most likely to have substantial sulphate concentrations are ancient sedimentary clays, including Mercia Mudstone, Lower Lias Clay, Kimmeridge Clay, Oxford Clay, Wealden Clays, Gault Clay and London Clay.

The Geological Formation beneath the site comprises the Poole Formation, therefore combined with the inspection of any exposures, the presence of sulphates is unlikely.

#### Brownfield

Fill materials found on site, or brought in during construction, may contain substantial quantities of sulphates. In addition, colliery spoil, slag, clinker and demolition waste often contain variable amounts of common sulphates.

Due to the nature and history of the site the presence of significant Made Ground is expected, therefore the presence of sulphates is cannot be ruled out.

### 2.3.3 Radon

Radon is a naturally occurring radioactive gas which is produced by the radioactive decay of radium, which in turn is derived from the radioactive decay of uranium. Uranium is found in small quantities in all soils and rocks. Radon released from rocks and soils is quickly diluted in the atmosphere. However, radon that enters enclosed spaces such as buildings can reach high concentrations and pose a hazard to human health. The Government has adopted an Action Level for radon in homes of 200 Becquerel's per cubic metre (Bq/m<sup>3</sup>). Where the radon levels exceed the Action Level, remedial measures are required to reduce the concentration.

The property is in a Radon Affected Area as defined by the Health Protection Agency (HPA), as between less than 1% of properties are above the Action Level.

BR211 by the Building Research Establishment (BRE) indicates that new buildings and extensions within the site's boundaries require No Radon Protection measures under the current Building Regulations.

### 2.3.4 Karstic Features

All chalk formations are susceptible to the formation of karstic or solution features.

However, chalk is not expected at the site and no instances of such features have been recorded in the near vicinity and so it is concluded that the risk is low.

### 2.3.5 Mining

#### Coal Mining

There are no coal mining areas within 75m of the site.

#### Non-Coal Mining

The following non-coal mining information is supplied by the BGS:

Sand and gravel: 39m/NE – Surface mineral working

In addition, localised historic quarries Sand and gravel are noted within the surrounding area.

#### Brine Affected Areas

There are no brine affected areas within 75m of the site.

In summary, the risk from underground and/or surface mining activity is likely to be moderate.

### 2.3.6 Ground Stability Hazards

Based upon BGS GeoSure data the risk from various ground stability hazards has been assessed below:

Table 2.5: Ground Stability Hazards	
Potential Hazard	Maximum Hazard Rating
Shrink-Swell	<b>Very Low Risk</b> – Ground conditions predominantly low plasticity.
Landslides	<b>Very Low Risk</b> – Slope instability problems are not likely to occur but consideration to potential problems of adjacent areas impacting on the site should always be considered.
Soluble Rocks	<b>Negligible Risk</b> – Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.
Compressible Ground	<b>Moderate Risk</b> – Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.
Collapsible Rocks	<b>Very Low Risk</b> – Deposits with potential to collapse when loaded and saturated are unlikely to be present.
Running Sand	<b>Very Low Risk</b> – Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

## 2.4 Environmental Setting

A GroundSure EnviroInsight Report has been obtained for the site and is presented in **Annex A**, with key information being discussed below:

### 2.4.1 Hydrology and Flooding

As mentioned in Section 2.1, the topography of the site is typically flat. However, the inferred direction of surface and groundwater flow is likely to be to the Southeast following the natural topography of the wider area.

These waters will probably be collected by the nearest surface water feature, indicated as the Small inland river, located approximately 104 m to the SE of the site.

Environment Agency records show the site to lie within a Flood Zone 1 for nearby surface water bodies.

Environment Agency records show that the site lies in a Zone 1 Floodplain. A Zone 1 Floodplain is land assessed as having less than a 0.1 per cent (1 in 1000) chance of flooding occurring each year. There are no flood defences, areas benefiting from flood defences or flood storage areas within 250m of the site.

The site is considered to have low to groundwater flooding based on the underlying geological conditions.

## 2.4.2 Hydrogeology

The Aquifer Designation Map for the area shows the underlying Superficial Deposits and Bedrock Geology beneath the site to comprise of a Secondary Aquifer.

Secondary Aquifers include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Secondary aquifers are subdivided into three types and beneath the site the aquifer is classed as a 'Secondary A'. These aquifers consist of 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.

2No. abstraction licences are located within 250m of the site:

1. (Ground Water - Fresh), (396m, NE), (Spray Irrigation – Direct and Process Water), – Status: (Active)
2. (Ground Water - Fresh), (403m, SW), (Mineral Washing), – Status: (Active)

Source Protection Zones (SPZs) have been defined for a number of groundwater sources such as wells, boreholes and springs which are used for public drinking water supply. These zones show the risk of contamination from any activities that might cause pollution in the area, the closer the activity, the greater the risk. SPZs are typically defined as three main zones (inner, outer and total catchment).

The site does not lie within 1km of a Source Protection Zone (SPZ) or a zone of special interest resulting in no restrictions by the EA on activities that may pollute water supplies.

The following information on groundwater vulnerability and soil leaching potential is present within 250m of the site:

1. Classification: High Leaching Potential, On Site.

## 2.4.3 Environmental Permits, Incidents and Registers

There is 1No. industrial site holding environmental permits and/or authorisations within 250m of the site:

1. Part A2: Combustion & Incineration, 110m, NE.

There is 1No. discharge consent located within 250m of the site:

1. (Trade Discharge – Site Drainage): (117m, SE) – Status: (Modified)

There are no records of COMAH and NIHHS sites within 250m of the site.

There are no Environment Agency recorded List 1 or 2 pollution incidents within 250m of the site.

There are no sites determined as Contaminated Land under Part IIA EPA within 250m of the site.

## 2.4.4 Licensed Waste and Landfill Sites

There are 4No. active or recently closed licensed waste sites within 250m of the site:

1. Household, Commercial & Industrial Waste Landfill, 84m, NE: Issue Date – (29/05/1992), Status – Modified (08/03/2012)
2. Physical Treatment Facility, 119m, NE: Issue Date – (17/05/2012), Status – Modified (17/06/2016)
3. Composting Facility, 159m, NE: Issue Date – (01/05/2003), Status – Issued
4. Material Recycling Treatment Facility, Composting Facility, Special Waste Transfer Station and Biological Treatment Facility, 159m, NE: Issue Date – (01/03/2004), Status – Modified (09/10/2015)

There are no waste exemption licenses within 250m of the site

## 2.4.5 Sensitive Land Use

There are 3No. designated environmentally sensitive sites within 250m of the site:

1. SSSI - Canford Heath, On Site
2. SAC - Dorset Heaths, On Site
3. SPA - Dorset Heathlands, On Site

## 2.4.6 Anticipated Soil Chemistry

The BGS has been commissioned by Defra to provide guidance on what are 'normal' levels of contaminant concentrations in English soils in support of the revision of the Part 2A Contaminated Land Statutory Guidance.

Anticipated soil concentrations for a number of common contaminants have been published. Concentrations relevant to the site location have been detailed below:

<b>Table 2.6: Anticipated Soil Chemistry</b>			
<b>Contaminant</b>	<b>Anticipated Soil Concentration (mg/kg)</b>	<b>Soil Guideline Value (mg/kg)</b>	
		<b>Commercial</b>	<b>Source</b>
Arsenic	15	640	C4SL
Cadmium	1.8	410	C4SL
Chromium	60-90	8600	S4UL
Nickel	15-30	980	S4UL
Lead	100	2330	C4SL

**Notes:**

- C4SL –Category 4 Screening Levels
- S4UL – Suitable 4 Use Levels

All of the given determinants have anticipated concentrations on the site that are below the recognised levels for the relevant commercial scenario.

### SECTION 3 Preliminary Geotechnical Risk Assessment

A preliminary geotechnical risk assessment is presented below, based upon desk study information and existing site data.

Table 3.1: Preliminary Geotechnical Risk Assessment					
Geotechnical Aspect	Ground Conditions	Hazard	Potential Impact		Preliminary Risk Assessment
Underground Voids	Mining, Natural Cavities, Other Voids	Collapse, Subsidence and Ground Instability	Surface deformation & Structural Damage	Slowdown of construction, design changes, project delays, time/cost implications	<b>Low Risk</b> – Based on BGS GeoSure Soluble & Collapsible Rocks Hazard Rating and above Mining and Karst Assessment
Slopes & Earthworks	Steep Slopes, Embankment/Cutting Stability	Slope Failure and Ground Instability	Site Stability, Surface Deformation & Structural Damage		<b>Low Risk</b> – Based on BGS GeoSure Landslides and Running Sand Hazard Rating and topography
Foundations & Sub-structures	Soft/loose and compressible soils, Shrinkable Soils, Aggressive Ground	Unsuitable Strata, Settlement, Attack on Buried Structures and Ground Instability	Excess Settlement, Structural Damage		<b>Moderate Risk</b> – Based on BGS GeoSure Compressible Ground and Shrink-Swell Hazard Rating and geology / aggressive ground conditions
Floor Slabs & Road Pavements	Soft/loose and Compressible, Frost Susceptible Soils	Unsuitable Strata, Low CBR, Frost Heave	Structural Damage, Alternative Design		<b>Moderate Risk</b> – Based on BGS GeoSure Compressible Ground and Shrink-Swell Hazard Rating, geology and presence of trees
Drainage & Flooding	High/Low Permeability, High Groundwater, Watercourse	Ineffective Attenuation/ Soakaways, Buoyancy, Effects Levels, Flooding	Settlement, Flooding		<b>Low Risk</b> – Based on geology, geomorphology, hydrology, flooding and hydrogeology
Temporary Works & Construction Issues	Soft/loose or Unstable Strata, Hard Strata or Obstruction, High Groundwater	Excavation Instability, Hard Digging, Water Inundation	Collapse, Increased Costs		<b>Moderate Risk</b> – Based on BGS Running Sand GeoSure Hazard Rating and geology
OVERALL RISK RATING					
The preliminary geotechnical risk assessment has revealed that a <b>Moderate</b> risk is present from geotechnical aspects, with particular risk specifically associated with the likely presence of made ground and poor shallow ground conditions.					

In order to confirm the above preliminary geotechnical risk assessment, it is recommended that a Phase 2 Intrusive Site Investigation is undertaken in order to determine the ground conditions and confirm relevant geotechnical aspects.

## SECTION 4 Preliminary Contamination Risk Assessment

The following sub-sections detail a Preliminary Risk Assessment (PRA), based upon the desk study information.

### 4.1 General

#### Environmental Protection Act

The contaminated land regime is set out in Part IIA of the Environmental Protection Act (EPA) 1990 and was introduced on the 1<sup>st</sup> April 2000 in England and 1<sup>st</sup> July 2001 in Wales. A similar regime was introduced in Scotland on 14<sup>th</sup> July 2000.

Part IIA was introduced to achieve two aims:

- (1) The identification of contaminated land
- (2) The remediation of contaminated land that poses an unacceptable risk to human health and/or the environment

Under Part IIA the statutory definition of 'contaminated land' is:

"any land which appears to the local authority in whose area it is situated, to be in such a condition, by reason of substances in, on, or under the land, that:

- (a) Significant harm is being caused or there is a significant possibility of such harm being caused; or
- (b) Pollution of controlled waters is being, or is likely to be, caused."

#### Planning Policy Framework

The contaminated land regime in Part IIA was introduced specifically to address the historical legacy of land contamination and is not directed to assessing the risks in relation to a future use of the land that would require a specific grant of planning permission. Therefore, Part IIA would not normally apply where land is being managed within the normal cycle of land redevelopment and regeneration. In this case, planning and development control will continue to be the primary means of control.

Land contamination, or the possibility of it, is a material consideration for the purposes of town and country planning (Town and Country Planning Act 1991). Current planning control on contaminated land is set out in The National Planning Policy Framework (NPPF).

The NPPF sets out the Governments planning policies for England and how these should be applied and states that:

- The natural environment should be conserved and enhanced by remediating and mitigating despoiled, degraded, derelict, contaminated and unstable land,
- In preparing to meet development needs, the aim should be to minimise pollution and other adverse effects on the local and natural environment. Plans should allocate land with the least environmental or amenity value, and
- Planning policies and decisions should encourage the effective use of land by re-using land that has previously been developed (Brownfield land), provided that it is not of high environmental value.

Where a new development is taking place, it will be the responsibility of the developer to carry out the necessary remediation. In most cases, the enforcement of any remediation requirements would be through planning conditions and building control, rather than through a remediation notice issued under Part IIA.

This report has been written with the precautionary regime of planning and The NPPF in mind.

### The Concept of Risk

For land to be classified as 'Contaminated Land' there must be a '**pollutant linkage**'. A pollutant linkage requires three essential elements:

- (1) A **CONTAMINANT** (hazard) – a substance that is in, on or under the land and has the potential to cause harm or to cause pollution of **controlled waters**
- (2) A **RECEPTOR** (target) – something which could be adversely affected by a contaminant
- (3) A **PATHWAY** – a route or means which either allows the contaminant to cause significant harm to that receptor, or that there is a significant possibility of such harm being caused to the receptor, or that pollution of controlled waters is being or likely to be caused.

The term 'Risk' is widely used in different contexts and situations, but a prescriptive definition is given by the Guidelines for Environmental Risk Assessment and Management (DEFRA *et al*, 2000):

*'Risk is a combination of the probability, or frequency, of occurrence of a defined hazard and the magnitude of the consequences of the occurrence'.*

A 'Hazard' is defined as '*a property or situation that in particular circumstances could lead to harm*'.

The classification of consequences and probability and determining the risk category are defined in the following sections.

#### 4.1.1 Classification of Consequence

Table 4.1: Classification of Consequence	
Classification	Definition
<b>Severe</b>	<ul style="list-style-type: none"> <li>• Short term (acute) risk to human health likely to result in significant harm</li> <li>• Short term risk to controlled waters</li> <li>• Catastrophic damage to buildings/structures</li> <li>• Short term risk to an ecosystem or organism within the particular ecosystem</li> </ul>
<b>Medium</b>	<ul style="list-style-type: none"> <li>• Chronic damage to human health (long term risk)</li> <li>• Pollution of a sensitive water resource</li> <li>• A significant change in an ecosystem or organism within the ecosystem</li> </ul>
<b>Mild</b>	<ul style="list-style-type: none"> <li>• Pollution of non-sensitive water resources</li> <li>• Significant damage to buildings/structures</li> </ul>
<b>Minor</b>	<ul style="list-style-type: none"> <li>• Harm (not necessarily significant) which may result in financial loss</li> <li>• Non-permanent health effects to humans (easily prevented by PPE for example)</li> <li>• Easily repairable effects of structural (building) damage</li> </ul>

#### 4.1.2 Classification of Probability

Table 4.2: Classification of Probability	
Classification	Definition
<b>High</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage and an event appears very likely to occur in the short term and is inevitable in the long term.</li> <li>• Evidence of harm to the receptor</li> </ul>

<b>Medium</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage which means that it is probable that an event will occur</li> <li>• The event is not inevitable but possible in short term and likely in the long term</li> </ul>
<b>Low</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage and circumstances are possible under which an event could occur</li> <li>• It is not certain that an event will occur in the long term, and it is less likely to occur in the short term</li> </ul>
<b>Negligible</b>	<ul style="list-style-type: none"> <li>• There is a complete pollution linkage but circumstances are such that it is improbable that an event would occur even in the long term</li> </ul>

### 4.1.3 Risk Assessment Matrix

By comparing the consequences of a risk and the probability of the risk of a pollution linkage, the likely risk category can be determined as shown in Table 3.3 below.

<b>Table 4.3: Risk Assessment Matrix</b>					
Increasing acceptability ↘		Consequence			
		Severe	Medium	Mild	Minor
Probability ↑	High	High	High	Medium / Low	Near zero
	Medium	High	Medium	Low	Near zero
	Low	High / Medium	Medium / Low	Low	Near zero
	Negligible	High / Medium / Low	Medium / Low	Low	Near zero

#### High Risk

There is a high probability that severe harm could risk a receptor, or there is evidence that a receptor is being harmed. The risk if realised is likely to result in liability, and urgent investigation or remediation will be required.

#### Medium Risk

It is probable that harm will arise to a receptor. However, it is relatively unlikely that such harm would be severe, or if harm does occur the harm is likely to be relatively mild. Investigation will be required to determine the liability, and some remedial works may be required in the long term.

#### Low Risk

It is possible that harm may arise to a receptor, but it is likely that the harm would be mild.

#### Near Zero Risk

There is a very low risk of harm to the receptor. In the event of harm being realised the harm is not likely to be severe.

## 4.2 Preliminary Site Conceptual Model

The preceding sections enable a preliminary conceptual model of the site to be drawn up, to illustrate the likely ground conditions beneath the site together with a preliminary assessment of the nature of any underlying aquifers and groundwater movement. The preliminary site conceptual model is used as a model for the design and implementation of the site investigation, whereby areas of potential contamination can be targeted as well as investigating the site as a whole.

### 4.2.1 Potential Sources of Contamination

The potential contamination beneath the site, whether in the matrix of soil or groundwater will be related to the sites past use.

### **On-site Sources**

Historically, the site has typically comprised of woodland, marshland, heathland before becoming an overspill lake for the adjacent sand and gravel pit to the northwest sometime around 1989.

Currently, the site comprises a vehicle / storage area for the adjacent industrial recycling companies' operations.

Present day and historical uses of the site have a number of potential contamination sources including Made Ground from the backfilled lake and current site operations, which has been discussed in more detail below:

#### **Potential Made Ground**

The presence of a significant thickness of Made Ground of unknown composition associated with site development and in filling cannot be ruled out as a potential source of contamination. Typical contaminants associated with the possible made ground on-site include:

- Heavy Metals,
- Poly-Aromatic Hydrocarbons (PAH's)
- Petroleum Hydrocarbons (PH's)
- Asbestos

#### **Vehicle / Storage Area**

Due to the presence of vehicle / storage, the possibility of localised contamination associated with hydrocarbon spillages/leaks from vehicle engines cannot be ruled out in these areas. Typical contaminants associated with possible poor husbandry of vehicles parked at the site include:

- Petroleum Hydrocarbons (PH's)
- Benzene, Toluene, Ethyl-benzene and Xylene (BTEX)
- Methyl Tert-Butyl Ether (MTBE)

### **Off-site Sources**

Historically, the surrounding area (<250m) has typically comprised of several sand and gravel quarries, farming land/nurseries and landfill sites.

Present day and historical uses of the surrounding area have a number of potential contamination sources including quarries with subsequent landfilling and current recycling centres, which have been discussed in more detail below:

#### **Recycling Centres**

The operation and handling of hazardous materials is permitted at premises adjacent the site. Although regulated and permitted, the mismanagement and poor husbandry of these materials cannot be ignored and have the potential to affect the site. The composition of typical contaminants accepted, but not limited to, in the recycling centre include:

- Heavy Metals
- Poly-Aromatic Hydrocarbons (PAH's)
- Petroleum Hydrocarbons (PH's) including fuels and hydraulic oils
- (Semi) Volatile Organic Compounds (VOC's)
- Asbestos

### Landfill

Landfill sites were originally small informal and uncontrolled tips used by local authorities or industry for the disposal of waste to land. Prior to the 1970s the majority of sites had little or no engineering control of wastes beyond that provided by the local topography and geology. Changes in legislation and increased awareness of the potential for causing harm to the environment has led to a widespread improvement in operating practices and environmental protection at landfill sites. Landfill gas (dominantly methane and carbon dioxide) is generally present throughout a landfill area and may vent to the atmosphere or migrate into ground around the landfill. Landfill Leachates are generally generated in all sites and may continue to be produced for many years after the closure of the site. Capping materials may also become contaminated, especially on older sites where caps are shallow and poorly engineered. The composition of contaminants common in landfill sites changes as the waste ages, but includes:

- Heavy Metals
- Inorganics (Cyanide, Sulphate, Sulphide, Sulphur and pH)
- Polycyclic aromatic hydrocarbons (PAHs)
- Petroleum Hydrocarbons (PH's)
- BTEX (Benzene, Toluene, Ethylbenzene, Xylenes)
- Asbestos

### Landfill/Ground Gas

Due to the presence of influencing landfills, underlying organic material (e.g. peat) and significant Made Ground, the presence of ground gas cannot be ruled out.

## **4.2.2 Potential Pollution Linkages**

The potential pollution linkages relating to human health and the wider environment are as follows:

### Human Health

1. Ingestion of soil and soil dust
2. Contaminant permeation of drinking water pipes and ingestion of contaminated water supply
3. Inhalation of soil particles, dust, asbestos and vapours, both indoors and outdoors
4. Dermal contact (Inc. eye uptake) with soil, soil dust and water
5. Inhalation of landfill / ground gas, accumulation and risk of explosion

### Aquatic Environment

1. Surface water runoff
2. Migration of surface water into underlying soils and groundwater
3. Leaching of contaminants via groundwater transport into the wider aquatic environment – surface waters and groundwater

### Ecology

1. Phytotoxic substances may inhibit healthy plant growth
2. Poisonous, carcinogenic, genotoxic substances may affect wildlife
3. Surface runoff can introduce contamination / allow contamination to migrate

### Buildings

1. Chemical attack of buried structures (concrete, steel etc.)

### 4.2.3 Potential Receptors

The potential receptors of any contamination and ground gas are considered to be:

1. Site end users – Workers and Visitors
2. Construction workers
3. Neighbouring site users and passers-by
4. The aquatic environment - surface waters, perched and deep groundwater
5. Building Materials - sulphates in the ground can damage building materials
6. Flora and Fauna upon the site is potentially at risk from Phytotoxic contaminants

### 4.3 Preliminary Human Health and Environmental Risk Assessment

A Preliminary Human Health and Environmental Risk Assessment aims to make initial assumptions about potential risks posed towards the human health and to the environment during all stages of the development.

Where it is assumed that a potential pollution pathway exists, there is a potential source, a potential receptor and a likely pathway which links the two. This qualitative risk assessment can then be refined into a quantitative risk assessment once any site investigation and laboratory soil chemical testing/environmental assessment has been undertaken.

**Table 4.4: Preliminary Human Health and Environmental Risk Assessment**

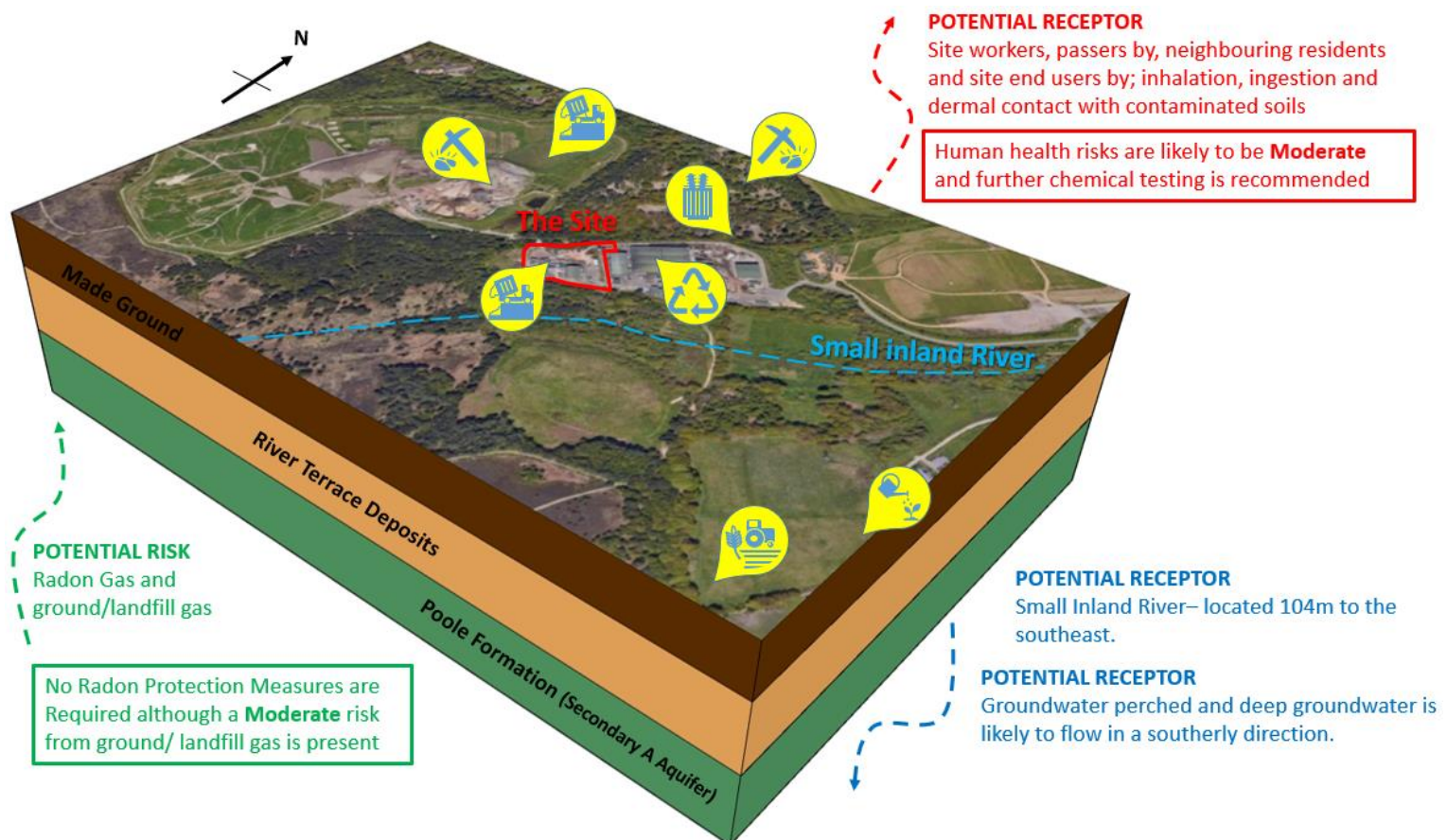
Potential Source	Potential Pathway	Potential Receptor	Preliminary Risk Assessment	
Human Health				
Subsurface Soil	Ingestion of soil and soil dust	Site end users - Workers and Visitors	On-Site Sources	<b>Moderate Risk</b> - Due to the presence of identified on-site contaminative sources ( <i>Historic Made Ground &amp; Current Site Operations</i> ).
	Off-site Sources		<b>Moderate Risk</b> - Due to the presence of identified off-site contaminative sources within influencing distance of the site ( <i>Quarrying/Landfilling &amp; Recycling Centre</i> ).	
	Ingestion of potable water. Permeation of drinking water pipes	Construction workers	<b>Moderate Risk</b> – Based on above contaminative sources details.  COSHH assessment, good level of PPE/hygiene, dust suppression measures and measures to avoid runoff and accidental spillages	
	Inhalation of soil dust and vapours			
Dermal contact with soils	Passers-by and neighbouring site users	<b>Low Risk</b> – Based on above contaminative sources details.		

Radon gas	Inhalation. Migration and accumulation of gas indoors.	Site end users - Workers and Visitors	<b>Low Risk</b> – The BGS indicates that the site lies within an area where No radon protection measures may be required.
Landfill Gas	Migration into indoor spaces, inhalation and explosive build up	Site end users – Workers and Visitors	<b>Moderate Risk</b> – historic or active landfills are present with 250m of the site.
Ground gases	Migration into indoor spaces, inhalation and explosive build up	Site end users – Workers and Visitors	<b>Moderate Risk</b> – Due to the presence of landfills, underlying organic material (e.g. peat) and significant Made Ground.
<b>Aquatic Environment</b>			
Subsurface Soil	Surface runoff and leaching into groundwater	Groundwater beneath the site	<b>Low to Moderate Risk</b> – Based on above contaminative sources details and presence of a Secondary Aquifer underlying aquifer.
Subsurface Soil	Groundwater transport	Small inland river	<b>Low Risk</b> – Based on above contaminative sources details and the distance to the nearest surface water body (104m).
Subsurface Soil	Groundwater transport	Secondary Aquifer	<b>Low to Moderate Risk</b> – Based on above contaminative sources details and presence of a Secondary Aquifer underlying aquifer.
<b>Ecology</b>			
Subsurface Soil	Uptake of phytotoxic contaminants and Surface Runoff	Vegetation	<b>Low Risk</b> – Based on above contaminative sources details and site setting.
Subsurface Soil	Ingestion of poisonous substances and Surface Runoff	Wildlife	<b>Low Risk</b> – Based on above contaminative sources details and site setting.
<b>Building Materials</b>			
Subsurface Soil	Aggressive Ground Conditions	Building Materials	<b>Low Risk</b> – Correct class of concrete to be chosen based on appropriate testing
<b>OVERALL RISK RATING</b>			
<p>The preliminary human health and environmental risk assessment has revealed that due to the sites and surrounding areas current and past land uses that a <b>Moderate</b> risk is present from contamination present beneath the site, with particular risk specifically associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre.</p> <p>In addition, a <b>Low</b> risk is present from the migration of radon gas, a <b>Moderate</b> risk from the migration of landfill gas and a <b>Moderate</b> risk from the migration of ground gas.</p>			

Based on a **Moderate** overall risk rating, in order to confirm the above preliminary human health and environmental risk assessment it is recommended that a Phase 2 Ground Investigation is undertaken comprising site specific soil chemical testing in order to determine the ground conditions, soil chemistry and any environmental liability associated with the site.

#### 4.3.1 Preliminary Illustrative Site Conceptual Model

The following illustration represents a theorised model through the site. The drawing is generalised and not to scale.



**Drawing 4.1:** Preliminary Conceptual Site Model

## SECTION 5 Recommended Phase 2 Ground Investigation

As the development proposals and associated infrastructure have yet to be confirmed the recommended Phase 2 Ground Investigation at this stage should be considered indicative only. Once the development proposals have been confirmed the recommended Phase 2 Ground Investigation can then be firmed up.

### 5.1 Geo-Environmental

Based upon the desk study, potential environmental liabilities were identified on-site associated with the on-site historic made ground and current site operations of off-site quarrying/landfilling and adjacent recycling centre and Gas Migration.

Therefore, significant levels of contamination could not be ruled out due to the sites historical past use within these areas.

If following confirmation of the development design proposals any development or associated infrastructure are located within or adjacent the above areas then it is therefore recommended that a Phase 2 geo-environmental site investigation be undertaken.

The main objectives of the Phase 2 geo-environmental assessment programme are to:

- Provide a summary of the environmental conditions at the site, together with any necessary remediation works to render the site fit for its intended use.

It is recommended that the Phase 2 site investigations comprise trial pitting and/or boreholes at specific locations targeting the above potential environmental liabilities and potential gas migration.

Standpipes should be installed to a sufficient depth and an appropriate gas monitoring regime implemented:

1. Post-investigation gas monitoring undertaken in line with current best practise guidance such as BS8476: 2013.

Soil samples, should be obtained for chemical testing to include the following contaminant suites based on the previous identified industrial processes on-site or within influencing distance of the site:

1. **Heavy Metals** (As, Cd, Cr, Cu, Pb, Ni, Se, Zn and Mercury)
2. **Inorganics** (Cyanide, Sulphate, Sulphide, Sulphur and pH)
3. **Organics**
  - a. Poly-Aromatic Hydrocarbons (PAH's)
  - b. Petroleum Hydrocarbons (PH's)
  - c. Benzene, Toluene, Ethyl-benzene and Xylene (BTEX)
  - d. Methyl Tert-Butyl Ether (MTBE)
  - e. Phenols
  - f. (Semi) Volatile Organic Compounds (VOC's)
4. **Other** (Asbestos Screening/Quantification)

### 5.2 Geo-technical

Based upon the desk study, potential geotechnical liabilities were identified. Therefore, it is recommended that a Phase 2 Geotechnical Ground Investigation comprising trial pits and/or boreholes is undertaken.

The main objectives of the geo-technical site investigation are to:

- Determine the type, strength and bearing characteristics of the shallow superficial and underlying bedrock geology.
- Provide recommendations for a suitable and economic foundation/floor slab solution for the proposed development.
- Provide recommendations with regard to any other geo-technical aspects pertaining to the development, such as soakaway and/or highway design.

A full utility search should be undertaken before any site works commence.

## **Annex A: Groundsure Report**

**CANFORD RECYCLING CENTRE, ARENA WAY, POOLE, BH21 3BW****Order Details**

**Date:** 01/12/2021  
**Your ref:** EX-21-001  
**Our Ref:** GS-8371843  
**Client:** TerraFirma (South)

**Site Details**

**Location:** 403436 096713  
**Area:** 2.38 ha  
**Authority:** [Bournemouth, Christchurch and Poole Council](#)

**Summary of findings**

p. 2

**Aerial image**

p. 8

**OS MasterMap site plan**

p.13

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Contact us with any questions at:

[info@groundsure.com](mailto:info@groundsure.com)

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>	<b>1</b>	<b>5</b>	<b>7</b>	<b>19</b>	<b>-</b>
16	1.2	Historical tanks	0	0	0	0	-
16	1.3	Historical energy features	0	0	0	0	-
16	1.4	Historical petrol stations	0	0	0	0	-
17	1.5	Historical garages	0	0	0	0	-
17	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>18</b>	<b>2.1</b>	<b><u>Historical industrial land uses</u></b>	<b>2</b>	<b>6</b>	<b>8</b>	<b>25</b>	<b>-</b>
20	2.2	Historical tanks	0	0	0	0	-
20	2.3	Historical energy features	0	0	0	0	-
21	2.4	Historical petrol stations	0	0	0	0	-
21	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
<b>22</b>	<b>3.1</b>	<b><u>Active or recent landfill</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>-</b>
<b>23</b>	<b>3.2</b>	<b><u>Historical landfill (BGS records)</u></b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>-</b>
23	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
<b>24</b>	<b>3.4</b>	<b><u>Historical landfill (EA/NRW records)</u></b>	<b>0</b>	<b>1</b>	<b>2</b>	<b>1</b>	<b>-</b>
<b>25</b>	<b>3.5</b>	<b><u>Historical waste sites</u></b>	<b>0</b>	<b>0</b>	<b>2</b>	<b>0</b>	<b>-</b>
<b>25</b>	<b>3.6</b>	<b><u>Licensed waste sites</u></b>	<b>0</b>	<b>0</b>	<b>16</b>	<b>9</b>	<b>-</b>
33	3.7	Waste exemptions	0	0	0	0	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
<b>34</b>	<b>4.1</b>	<b><u>Recent industrial land uses</u></b>	<b>0</b>	<b>0</b>	<b>8</b>	<b>-</b>	<b>-</b>
35	4.2	Current or recent petrol stations	0	0	0	0	-
35	4.3	Electricity cables	0	0	0	0	-
35	4.4	Gas pipelines	0	0	0	0	-
36	4.5	Sites determined as Contaminated Land	0	0	0	0	-



36	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
36	4.7	Regulated explosive sites	0	0	0	0	-
36	4.8	Hazardous substance storage/usage	0	0	0	0	-
36	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
<b>37</b>	<b>4.10</b>	<b><u>Licensed industrial activities (Part A(1))</u></b>	1	0	4	0	-
<b>38</b>	<b>4.11</b>	<b><u>Licensed pollutant release (Part A(2)/B)</u></b>	0	0	1	0	-
38	4.12	Radioactive Substance Authorisations	0	0	0	0	-
<b>38</b>	<b>4.13</b>	<b><u>Licensed Discharges to controlled waters</u></b>	0	0	2	0	-
39	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
39	4.15	Pollutant release to public sewer	0	0	0	0	-
39	4.16	List 1 Dangerous Substances	0	0	0	0	-
39	4.17	List 2 Dangerous Substances	0	0	0	0	-
<b>39</b>	<b>4.18</b>	<b><u>Pollution Incidents (EA/NRW)</u></b>	0	0	1	4	-
<b>40</b>	<b>4.19</b>	<b><u>Pollution inventory substances</u></b>	0	0	1	0	-
<b>41</b>	<b>4.20</b>	<b><u>Pollution inventory waste transfers</u></b>	0	0	1	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
<b>43</b>	<b>5.1</b>	<b><u>Superficial aquifer</u></b>	Identified (within 500m)				
<b>45</b>	<b>5.2</b>	<b><u>Bedrock aquifer</u></b>	Identified (within 500m)				
<b>47</b>	<b>5.3</b>	<b><u>Groundwater vulnerability</u></b>	Identified (within 50m)				
48	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
<b>48</b>	<b>5.5</b>	<b><u>Groundwater vulnerability- local information</u></b>	Identified (within 0m)				
<b>50</b>	<b>5.6</b>	<b><u>Groundwater abstractions</u></b>	0	0	0	6	1
<b>52</b>	<b>5.7</b>	<b><u>Surface water abstractions</u></b>	0	0	0	0	2
53	5.8	Potable abstractions	0	0	0	0	0
53	5.9	Source Protection Zones	0	0	0	0	-
53	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>54</b>	<b>6.1</b>	<b><u>Water Network (OS MasterMap)</u></b>	3	1	8	-	-



<b>56</b>	<b>6.2</b>	<b><u>Surface water features</u></b>	1	1	7	-	-
<b>56</b>	<b>6.3</b>	<b><u>WFD Surface water body catchments</u></b>	1	-	-	-	-
<b>56</b>	<b>6.4</b>	<b><u>WFD Surface water bodies</u></b>	0	0	0	-	-
<b>57</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
58	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
58	7.2	Historical Flood Events	0	0	0	-	-
58	7.3	Flood Defences	0	0	0	-	-
59	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
59	7.5	Flood Storage Areas	0	0	0	-	-
60	7.6	Flood Zone 2	None (within 50m)				
60	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
<b>61</b>	<b>8.1</b>	<b><u>Surface water flooding</u></b>	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding					
<b>63</b>	<b>9.1</b>	<b><u>Groundwater flooding</u></b>	Low (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>64</b>	<b>10.1</b>	<b><u>Sites of Special Scientific Interest (SSSI)</u></b>	1	0	0	0	1
<b>65</b>	<b>10.2</b>	<b><u>Conserved wetland sites (Ramsar sites)</u></b>	0	0	0	0	1
<b>66</b>	<b>10.3</b>	<b><u>Special Areas of Conservation (SAC)</u></b>	0	1	0	0	2
<b>67</b>	<b>10.4</b>	<b><u>Special Protection Areas (SPA)</u></b>	0	1	0	0	3
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
68	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
<b>68</b>	<b>10.7</b>	<b><u>Designated Ancient Woodland</u></b>	0	0	0	0	1
68	10.8	Biosphere Reserves	0	0	0	0	0
68	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
<b>69</b>	<b>10.11</b>	<b><u>Green Belt</u></b>	1	0	0	0	1
69	10.12	Proposed Ramsar sites	0	0	0	0	0



69	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>70</b>	<b>10.16</b>	<b><u>Nitrate Vulnerable Zones</u></b>	0	0	0	0	5
<b>71</b>	<b>10.17</b>	<b><u>SSSI Impact Risk Zones</u></b>	4	-	-	-	-
<b>73</b>	<b>10.18</b>	<b><u>SSSI Units</u></b>	1	0	0	3	12
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
81	11.1	World Heritage Sites	0	0	0	-	-
81	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
81	11.3	National Parks	0	0	0	-	-
81	11.4	Listed Buildings	0	0	0	-	-
82	11.5	Conservation Areas	0	0	0	-	-
82	11.6	Scheduled Ancient Monuments	0	0	0	-	-
82	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>83</b>	<b>12.1</b>	<b><u>Agricultural Land Classification</u></b>	Grade 5 (within 250m)				
<b>84</b>	<b>12.2</b>	<b><u>Open Access Land</u></b>	1	0	0	-	-
<b>84</b>	<b>12.3</b>	<b><u>Tree Felling Licences</u></b>	0	0	7	-	-
85	12.4	Environmental Stewardship Schemes	0	0	0	-	-
<b>85</b>	<b>12.5</b>	<b><u>Countryside Stewardship Schemes</u></b>	1	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
<b>86</b>	<b>13.1</b>	<b><u>Priority Habitat Inventory</u></b>	1	9	19	-	-
<b>88</b>	<b>13.2</b>	<b><u>Habitat Networks</u></b>	2	0	4	-	-
<b>88</b>	<b>13.3</b>	<b><u>Open Mosaic Habitat</u></b>	0	1	0	-	-
89	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>90</b>	<b>14.1</b>	<b><u>10k Availability</u></b>	Identified (within 500m)				
<b>91</b>	<b>14.2</b>	<b><u>Artificial and made ground (10k)</u></b>	1	0	2	0	-
<b>92</b>	<b>14.3</b>	<b><u>Superficial geology (10k)</u></b>	2	2	4	6	-



93	14.4	Landslip (10k)	0	0	0	0	-
<b>94</b>	<b>14.5</b>	<b><u>Bedrock geology (10k)</u></b>	1	1	1	1	-
95	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
<b>96</b>	<b>15.1</b>	<b><u>50k Availability</u></b>	Identified (within 500m)				
<b>97</b>	<b>15.2</b>	<b><u>Artificial and made ground (50k)</u></b>	1	0	2	0	-
<b>98</b>	<b>15.3</b>	<b><u>Artificial ground permeability (50k)</u></b>	1	0	-	-	-
<b>99</b>	<b>15.4</b>	<b><u>Superficial geology (50k)</u></b>	1	1	3	6	-
<b>100</b>	<b>15.5</b>	<b><u>Superficial permeability (50k)</u></b>	Identified (within 50m)				
100	15.6	Landslip (50k)	0	0	0	0	-
101	15.7	Landslip permeability (50k)	None (within 50m)				
<b>102</b>	<b>15.8</b>	<b><u>Bedrock geology (50k)</u></b>	1	1	1	1	-
<b>103</b>	<b>15.9</b>	<b><u>Bedrock permeability (50k)</u></b>	Identified (within 50m)				
103	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
104	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	Natural ground subsidence					
<b>105</b>	<b>17.1</b>	<b><u>Shrink swell clays</u></b>	Moderate (within 50m)				
<b>106</b>	<b>17.2</b>	<b><u>Running sands</u></b>	Very low (within 50m)				
<b>107</b>	<b>17.3</b>	<b><u>Compressible deposits</u></b>	Moderate (within 50m)				
<b>109</b>	<b>17.4</b>	<b><u>Collapsible deposits</u></b>	Very low (within 50m)				
<b>110</b>	<b>17.5</b>	<b><u>Landslides</u></b>	Very low (within 50m)				
<b>111</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
113	18.1	Natural cavities	0	0	0	0	-
<b>114</b>	<b>18.2</b>	<b><u>BritPits</u></b>	0	0	3	6	-
<b>115</b>	<b>18.3</b>	<b><u>Surface ground workings</u></b>	2	5	8	-	-
116	18.4	Underground workings	0	0	0	0	0
<b>116</b>	<b>18.5</b>	<b><u>Historical Mineral Planning Areas</u></b>	0	1	4	2	-



117	18.6	Non-coal mining	0	0	0	0	0
117	18.7	Mining cavities	0	0	0	0	0
118	18.8	JPB mining areas	None (within 0m)				
118	18.9	Coal mining	None (within 0m)				
118	18.10	Brine areas	None (within 0m)				
118	18.11	Gypsum areas	None (within 0m)				
118	18.12	Tin mining	None (within 0m)				
119	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<b>120</b>	<b>19.1</b>	<b>Radon</b>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<b>121</b>	<b>20.1</b>	<b>BGS Estimated Background Soil Chemistry</b>	5	4	-	-	-
121	20.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
122	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
123	21.1	Underground railways (London)	0	0	0	-	-
123	21.2	Underground railways (Non-London)	0	0	0	-	-
123	21.3	Railway tunnels	0	0	0	-	-
123	21.4	Historical railway and tunnel features	0	0	0	-	-
123	21.5	Royal Mail tunnels	0	0	0	-	-
124	21.6	Historical railways	0	0	0	-	-
124	21.7	Railways	0	0	0	-	-
124	21.8	Crossrail 1	0	0	0	0	-
124	21.9	Crossrail 2	0	0	0	0	-
124	21.10	HS2	0	0	0	0	-

## Recent aerial photograph



Capture Date: 01/06/2020

Site Area: 2.38ha



## Recent site history - 2017 aerial photograph



Capture Date: 19/06/2017

Site Area: 2.38ha



## Recent site history - 2012 aerial photograph



Capture Date: 22/05/2012

Site Area: 2.38ha



## Recent site history - 2005 aerial photograph



Capture Date: 23/06/2005

Site Area: 2.38ha



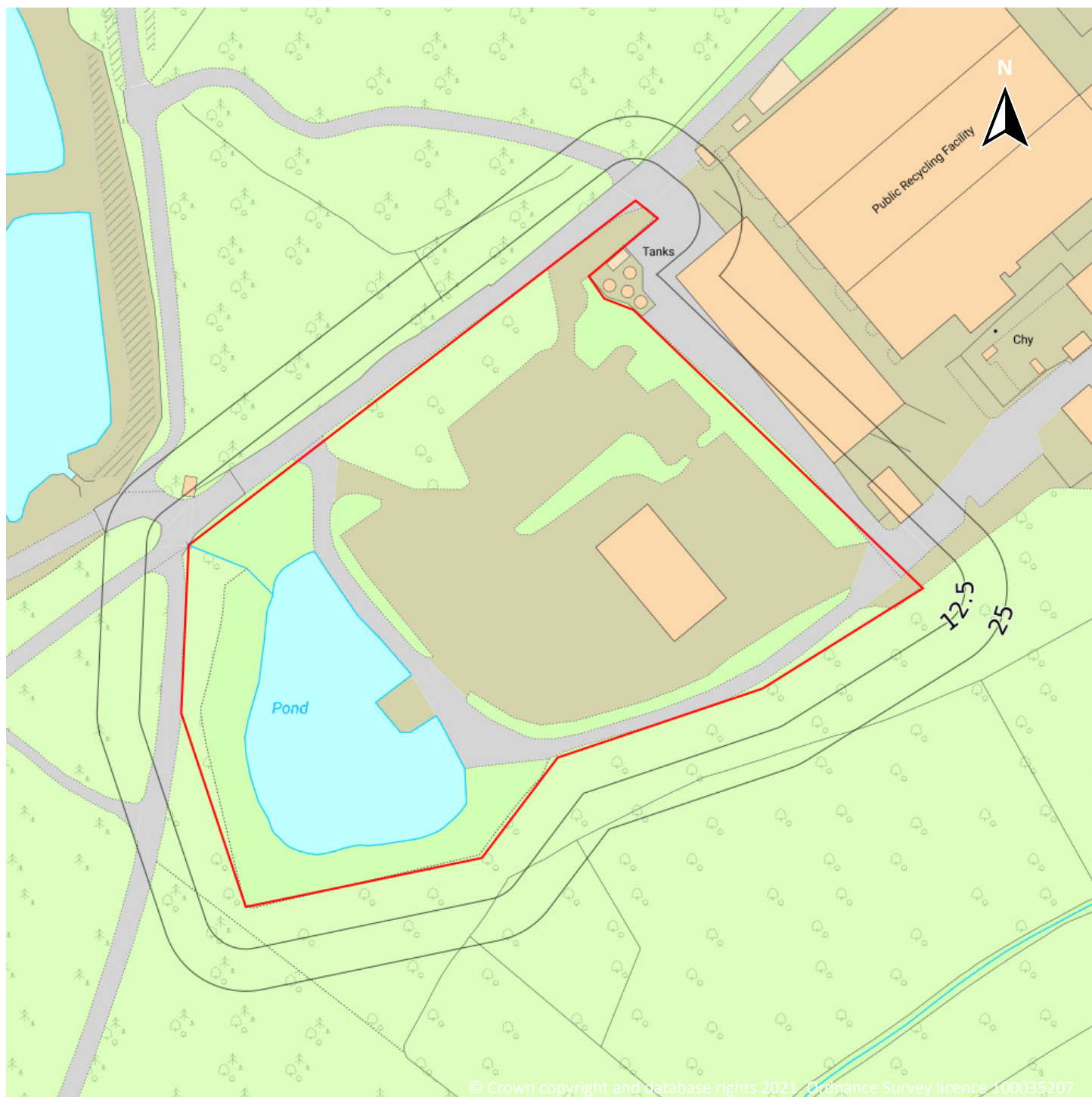
## Recent site history - 2000 aerial photograph



Capture Date: 17/06/2000

Site Area: 2.38ha

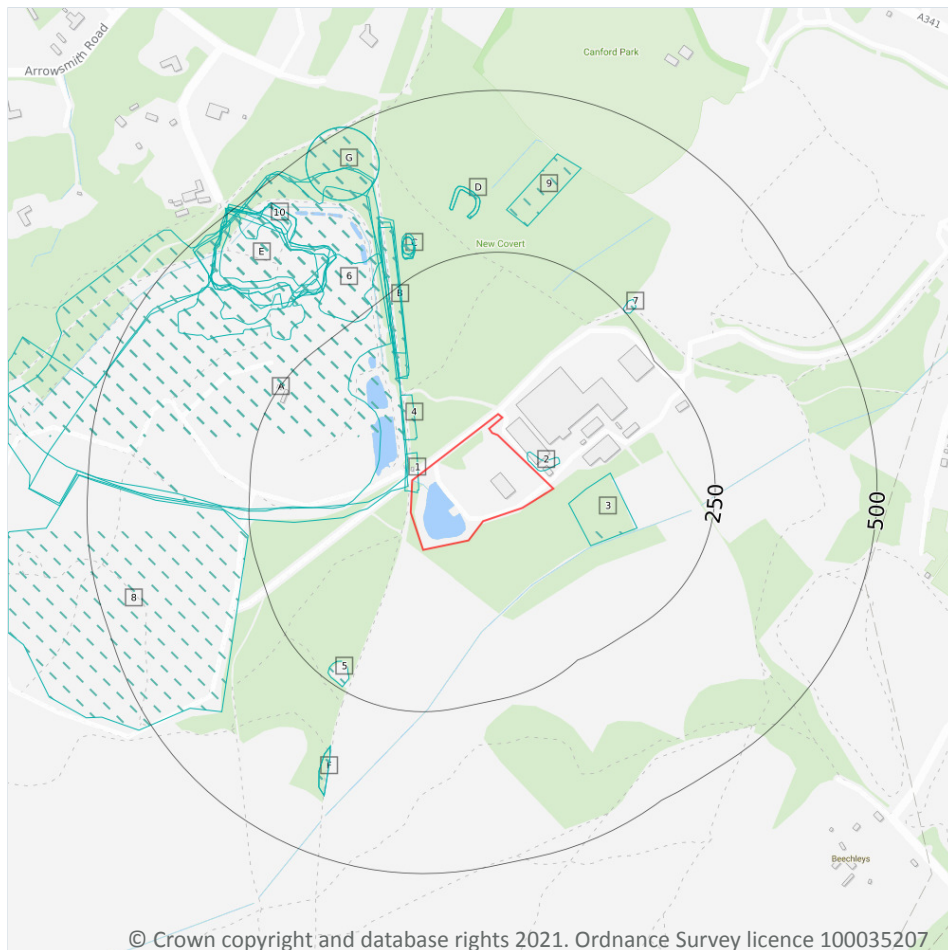
## OS MasterMap site plan



Site Area: 2.38ha



## 1 Past land use



— Site Outline  
Search buffers in metres (m)  
Historical industrial land uses

### 1.1 Historical industrial land uses

Records within 500m

32

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
1	On site	Cuttings	1934 - 1940	1979461



ID	Location	Land use	Dates present	Group ID
2	4m NE	Unspecified Disused Pit	1982	1972626
A	6m W	Sand and Gravel Pit	1982	1977528
A	10m NW	Sand and Gravel Pit	1988	1976531
3	33m SE	Nursery	1900	1970865
4	47m NW	Cuttings	1934 - 1940	1975359
A	58m W	Sand and Gravel Pit	1973	1977201
B	129m NW	Cuttings	1940	1982315
B	132m NW	Cuttings	1934	1983503
B	161m NW	Cuttings	1973	1976446
5	213m SW	Sand Pit	1963 - 1973	1983172
6	243m NW	Old Gravel Pit	1963	1969720
7	249m NE	Gravel Pit	1887	1972786
8	254m W	Sand and Gravel Pit	1988	1972233
C	275m NW	Unspecified Pit	1940	1976601
C	275m NW	Unspecified Pit	1900 - 1926	1980052
C	277m NW	Old Gravel Pit	1887	1969722
C	280m NW	Unspecified Pit	1934	1981208
C	282m NW	Unspecified Pit	1926	1975341
9	294m N	Nursery	1900	1970866
D	305m N	Unspecified Ground Workings	1982	1974304
D	305m N	Unspecified Ground Workings	1963 - 1973	1974493
E	316m NW	Gravel Pit	1887 - 1900	1975057
E	316m NW	Unspecified Pit	1926	1977309
E	318m NW	Unspecified Pit	1940	1980614
E	321m NW	Gravel Pits	1934	1971385
E	323m NW	Unspecified Ground Workings	1926	1978699
F	336m SW	Unspecified Pit	1926	1974211
F	336m SW	Unspecified Pit	1940	1984332



ID	Location	Land use	Dates present	Group ID
G	399m NW	Unspecified Bed	1963 - 1973	1977444
G	399m NW	Unspecified Bed	1982 - 1988	1984382
10	420m NW	Unspecified Ground Workings	1963	1984441

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

## 1.2 Historical tanks

**Records within 500m**

**0**

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'.

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

## 1.3 Historical energy features

**Records within 500m**

**0**

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'.

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

## 1.4 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, 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'.

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



## 1.5 Historical garages

Records within 500m

0

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'.

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

## 1.6 Historical military land

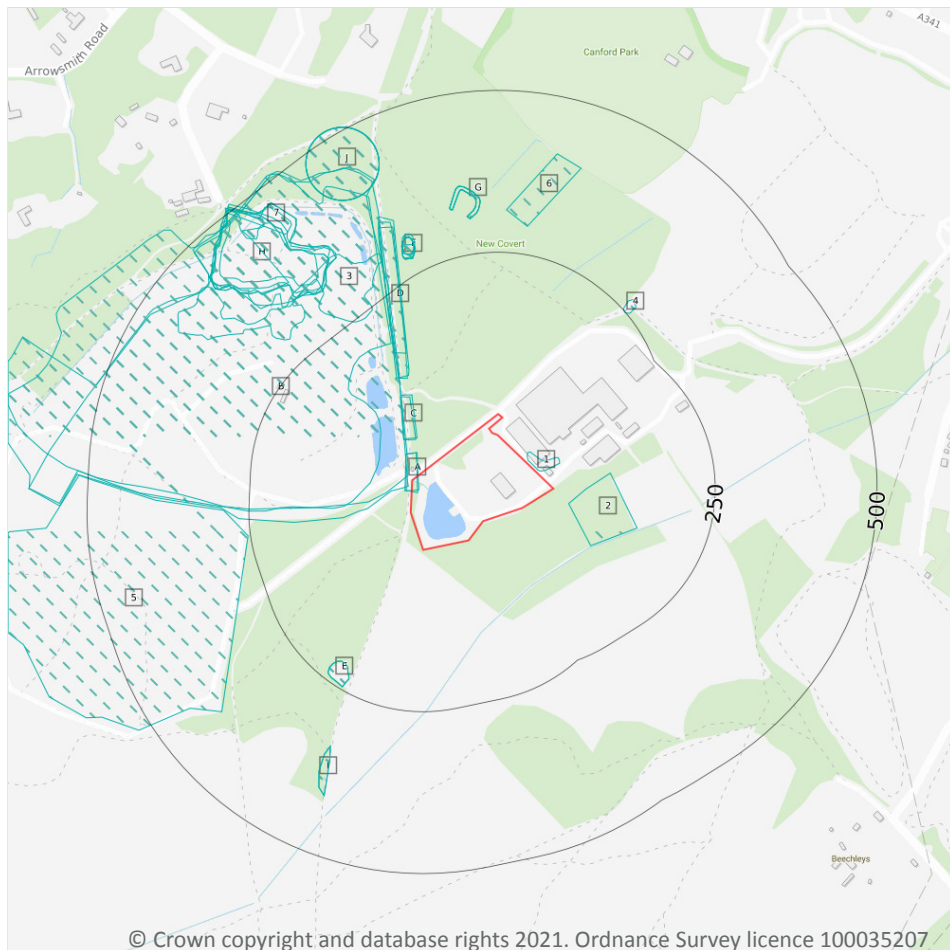
Records within 500m

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



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses

### 2.1 Historical industrial land uses

Records within 500m

41

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 18**

ID	Location	Land Use	Date	Group ID
A	On site	Cuttings	1940	1979461
A	On site	Cuttings	1934	1979461
1	4m NE	Unspecified Disused Pit	1982	1972626



ID	Location	Land Use	Date	Group ID
B	6m W	Sand and Gravel Pit	1982	1977528
B	10m NW	Sand and Gravel Pit	1988	1976531
2	33m SE	Nursery	1900	1970865
C	47m NW	Cuttings	1940	1975359
C	47m NW	Cuttings	1934	1975359
B	58m W	Sand and Gravel Pit	1973	1977201
D	129m NW	Cuttings	1940	1982315
D	132m NW	Cuttings	1934	1983503
D	161m NW	Cuttings	1973	1976446
E	213m SW	Sand Pit	1973	1983172
E	213m SW	Sand Pit	1963	1983172
3	243m NW	Old Gravel Pit	1963	1969720
4	249m NE	Gravel Pit	1887	1972786
5	254m W	Sand and Gravel Pit	1988	1972233
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G	305m N	Unspecified Ground Workings	1982	1974304
G	305m N	Unspecified Ground Workings	1973	1974493
G	305m N	Unspecified Ground Workings	1963	1974493
H	316m NW	Unspecified Pit	1926	1977309
H	316m NW	Gravel Pit	1900	1975057
H	318m NW	Unspecified Pit	1940	1980614



ID	Location	Land Use	Date	Group ID
H	321m NW	Gravel Pits	1934	1971385
H	323m NW	Unspecified Ground Workings	1926	1978699
I	336m SW	Unspecified Pit	1940	1984332
I	336m SW	Unspecified Pit	1926	1974211
H	359m NW	Gravel Pit	1887	1975057
J	399m NW	Unspecified Bed	1988	1984382
J	399m NW	Unspecified Bed	1982	1984382
J	399m NW	Unspecified Bed	1973	1977444
J	399m NW	Unspecified Bed	1963	1977444
7	420m NW	Unspecified Ground Workings	1963	1984441

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

## 2.2 Historical tanks

**Records within 500m**

**0**

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'.

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

## 2.3 Historical energy features

**Records within 500m**

**0**

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'.

*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

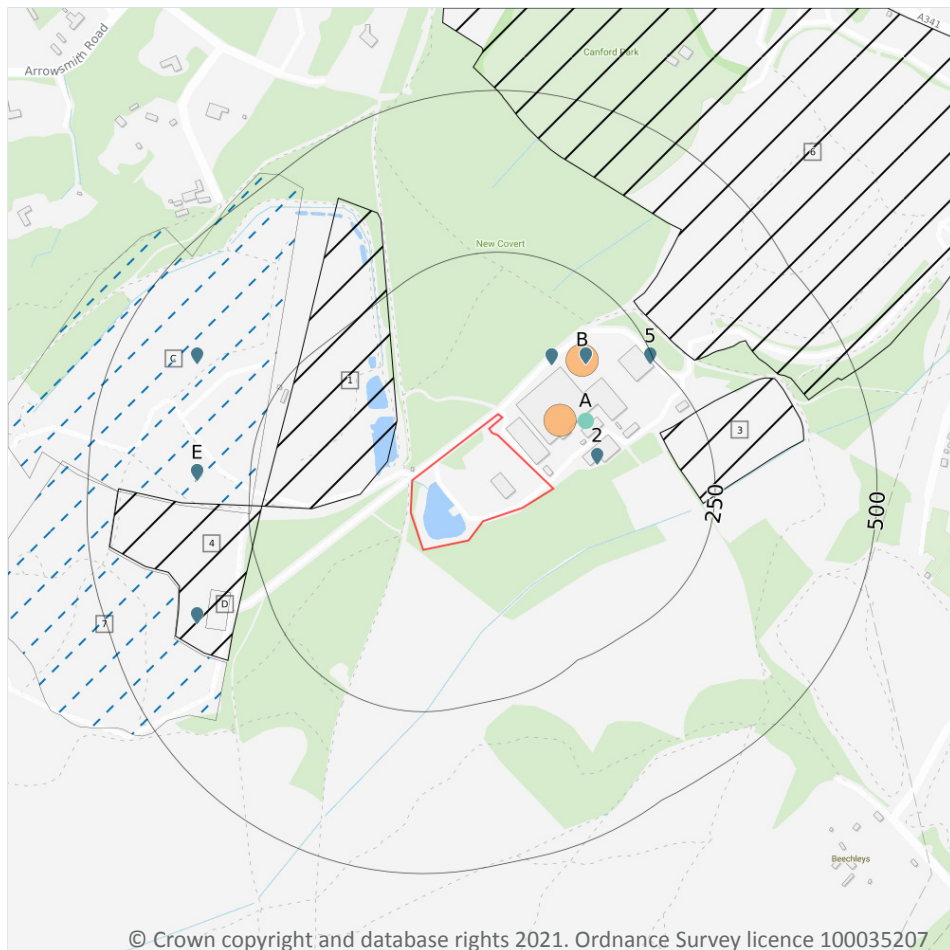
0

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'.

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



## 3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Active or recent landfill
- Historical landfill (EA/NRW)
- Historical landfill (BGS)
- Historical waste sites
- Licensed waste sites

### 3.1 Active or recent landfill

Records within 500m

3

Active or recently closed landfill sites under Environment Agency/Natural Resources Wales regulation. Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Details	
C	238m W	Operator: W H White Limited Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ	WML Number: 23629 EPR Reference: WHI098 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/BP3293FX/V006



ID	Location	Details	
D	302m W	Operator: W H White Limited Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ	WML Number: 23530 EPR Reference: WHI097 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/VP3897HP/V003
7	349m SW	Operator: W H White Limited Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ	WML Number: 23598 EPR Reference: WHI064 Landfill type: A04: Household, Commercial & Industrial Waste Landfill Status: Modified IPPC Reference: - EPR Number: EA/EPR/JP3497HM/V008

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

### 3.2 Historical landfill (BGS records)

<b>Records within 500m</b>	<b>1</b>
----------------------------	----------

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.

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	BGS Number	Risk	Waste Type
A	109m NE	Corporation Tip, Nagna Road, Canford, Poole	1188	No risk to aquifer	N/A

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

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

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

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)

#### Records within 500m

4

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 22**

ID	Location	Details		
1	48m NW	Site Address: Whites Pit, North Canford Heath, Wimborne, Dorset Licence Holder Address: 1 Wood Lane, Bear Cross, Bournemouth	Waste Licence: Yes Site Reference: R29/634, WDL/175 (M2), WDL/82/68, PU10 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 25/05/1983 Licence Surrender: -	Operator: - Licence Holder: W H White and Company Limited First Recorded 31/12/1950 Last Recorded: -
3	185m NE	Site Address: Corporation Tip, Nagna Road, Canford, Poole, Dorset Licence Holder Address: -	Waste Licence: - Site Reference: - Waste Type: Commercial, Liquid sludge Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: Poole Corporation Licence Holder: - First Recorded 30/06/1970 Last Recorded: -
4	230m W	Site Address: Whites Pit / Arrowsmith Road Pit, Cranford Heath, Poole, Wimborne, Dorset Licence Holder Address: Site Control Centre, Magna Road, Wimborne	Waste Licence: Yes Site Reference: WDL/85/86 (M2), R29/655 Waste Type: Inert, Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 13/12/1985 Licence Surrender: -	Operator: - Licence Holder: W H White Limited First Recorded 31/12/1950 Last Recorded: -
6	269m NE	Site Address: Moortown Aerodrome Site, Magna Road, Poole, Dorset Licence Holder Address: Civic Centre, Poole, Dorset	Waste Licence: Yes Site Reference: WDL/84/80, R29/654, GDO 183 Waste Type: Industrial, Commercial, Household Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 12/09/1984 Licence Surrender: 30/09/1992	Operator: - Licence Holder: Poole Borough Council First Recorded - Last Recorded: -

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



### 3.5 Historical waste sites

#### Records within 500m

**2**

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

Features are displayed on the Waste and landfill map on **page 22**

ID	Location	Address	Further Details	Date
A	58m NE	Site Address: New Earth Composting, Facility, Magna Road, Site, Control Centre, WIMBORNE, Dorset, BH21 3AP	Type of Site: Preparation Warehouses & Waste Storage Planning application reference: 06/31392/017/F Description: Scheme comprises retention of 2 storey office block and portacabin and construction of 2 single storey green waste storage and preparation warehouses and installation of water treatment tanks and bio filter bed. An application (ref: 06/31392/017/F) for detailed planning permission was granted by Poole B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	24/10/2006
B	126m NE	Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Type of Site: Waste Materials Recovery Facility Planning application reference: APP/15/00874/Y Description: Scheme comprises construction of commercial and industrial waste materials recovery facility with new weighbridge, office and welfare facilities including SUDS. The associated works include sewer systems, landscaping, infrastructure, enabling and access roads. Data source: Historic Planning Application Data Type: Point	28/10/2015

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

### 3.6 Licensed waste sites

#### Records within 500m

**25**

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

Features are displayed on the Waste and landfill map on **page 22**



ID	Location	Details		
2	84m NE	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V003 Operator: W H White Ltd Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 08/03/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM203 EPR reference: EA/EPR/EB3102FV/S002 Operator: Commercial Recycling (Southern) Limited Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: 23/05/2016 Modified: 17/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM177 EPR reference: EA/EPR/FB3537RS/A001 Operator: Commercial Recycling Ltd Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: - Modified: - Surrendered Date: 0 Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
B	119m NE	Site Name: Canford Inert Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Physical Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM203 EPR reference: EA/EPR/EB3102FV/S002 Operator: Commercial Recycling (Southern) Limited Waste Management licence No: 103978 Annual Tonnage: 249999	Issue Date: 17/05/2012 Effective Date: 23/05/2016 Modified: 17/06/2016 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Whites Pit - Mechanical & Biological Treatment Plant Site Address: Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: White House, Magna Road, Wimborne, Bournemouth, Dorset, BH21 3AP	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI106 EPR reference: - Operator: W H White Plc Waste Management licence No: 23707 Annual Tonnage: 12000	Issue Date: 01/05/2003 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued
B	159m NE	Site Name: Canford Recycling Centre Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Material Recycling Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: FP3394EZ/V002 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 02/06/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: New Earth Solutions (Canford) Ltd Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Composting Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V002 Operator: New Earth Solutions (Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 12000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 28/05/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	159m NE	Site Name: Canford M B T Facility Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V003 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 100000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 28/06/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V004 Operator: New Earth Solutions ( Canford) Ltd Waste Management licence No: 23707 Annual Tonnage: 100000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 14/12/2012 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: EA/EPR/FP3394EZ/V004 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM199 EPR reference: EA/EPR/DB3904GC/T001 Operator: Commercial Recycling (southern) Limited Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 11/03/2016 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
B	159m NE	Site Name: Canford Recycling Centre Site Address: Site Control Centre, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM147 EPR reference: EA/EPR/FP3394EZ/V002 Operator: Commercial Recycling Ltd Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 14/12/2009 Modified: 02/06/2010 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
B	159m NE	Site Name: Canford Recycling Centre Site Address: Canford Recycling Centre, Arena Way, Off Magna Road, Wimborne, Dorset, BH21 3BW Correspondence Address: -	Type of Site: Special Waste Transfer Station Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: COM199 EPR reference: EA/EPR/DB3904GC/T001 Operator: Commercial Recycling ( Southern ) Limited Waste Management licence No: 23718 Annual Tonnage: 175000	Issue Date: 01/03/2004 Effective Date: 11/03/2016 Modified: 04/11/2013 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred



ID	Location	Details		
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V006 Operator: New Earth Solutions ( Canford ) Limited Waste Management licence No: 23707 Annual Tonnage: 125000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 09/10/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
B	159m NE	Site Name: Canford M B T Facility Site Address: Arena Way, Magna Road, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: NEW143 EPR reference: EA/EPR/FP3393SB/V006 Operator: New Earth Solutions ( Canford ) Limited Waste Management licence No: 23707 Annual Tonnage: 125000	Issue Date: 01/05/2003 Effective Date: 04/01/2010 Modified: 09/10/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: To PPC
5	246m NE	Site Name: - Site Address: Canford Recycling Centre, Magna Road, Whites Pit, Wimborne, Dorset, BH21 3AP Correspondence Address: -	Type of Site: Biological Treatment Facility Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI099 EPR reference: EA/EPR/LP3393FA/S002 Operator: W H White Plc Waste Management licence No: 23644 Annual Tonnage: 0	Issue Date: 07/10/1994 Effective Date: - Modified: - Surrendered Date: Jul 21 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V003 Operator: W H White Limited Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 12/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: White's Pit Northern Area Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/V006 Operator: W H White Limited Waste Management licence No: 23629 Annual Tonnage: 0	Issue Date: 18/06/1982 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Closure
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V008 Operator: W H White Limited Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI064 EPR reference: EA/EPR/JP3497HM/V008 Operator: W H White Limited Waste Management licence No: 23598 Annual Tonnage: 500000	Issue Date: 29/05/1992 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: Whites Pit Landfill Site Site Address: Whites Pit Landfill Site, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V003 Operator: W H White Limited Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 12/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
E	332m W	Site Name: White's Pit Northern Area Site Address: White's Pit Landfill, Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/V006 Operator: W H White Limited Waste Management licence No: 23629 Annual Tonnage: 0	Issue Date: 18/06/1982 Effective Date: - Modified: 06/08/2015 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified



ID	Location	Details		
D	363m W	Site Name: Whites Pit South Ext Part 1 ( Recycling ) Site Address: Magna Road, ( Recycling Area), Wimborne, Dorset, BH21 3AP Correspondence Address: White House, Magna Road, Wimborne, Dorset, BH21 3AP	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: - Operator: W H White Plc . Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 30/04/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
D	363m W	Site Name: Whites Pit Landfill Site Site Address: Land/ Premises At, Arrowsmith Road, Wimborne, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI097 EPR reference: EA/EPR/VP3897HP/V002 Operator: W H White Plc Waste Management licence No: 23530 Annual Tonnage: 300000	Issue Date: 13/12/1985 Effective Date: - Modified: 30/04/1998 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified
C	383m NW	Site Name: Whites Pit (northern Area) Site Address: Arrowsmith Road, Wimborne, Poole, Dorset, BH21 3BQ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste Landfill Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: WHI098 EPR reference: EA/EPR/BP3293FX/A001 Operator: W H White Plc Waste Management licence No: 23629 Annual Tonnage: 75000	Issue Date: 18/06/1982 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

### 3.7 Waste exemptions

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

*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
- Part A(1) industrial activities
- Licensed pollutant release (Part A(2)/B)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)
- Pollution inventory substances
- Pollution inventory waste transfers

### 4.1 Recent industrial land uses

Records within 250m

8

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 34**

ID	Location	Company	Address	Activity	Category
A	66m E	Public Recycling Facility	Dorset, BH21	Recycling Centres	Infrastructure and Facilities
A	70m NE	Chimney	Dorset, BH21	Chimneys	Industrial Features



ID	Location	Company	Address	Activity	Category
A	79m NE	Electricity Sub Station	Dorset, BH21	Electrical Features	Infrastructure and Facilities
A	80m NE	New Earth Solutions	Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Recycling, Reclamation and Disposal	Recycling Services
A	80m NE	Commercial Recycling	Canford Recycling Centre, Arena Way, Wimborne, Dorset, BH21 3BW	Waste Storage, Processing and Disposal	Infrastructure and Facilities
2	141m NE	Hopper	Dorset, BH21	Hoppers and Silos	Farming
C	169m NE	Works	Dorset, BH21	Unspecified Works Or Factories	Industrial Features
3	214m SW	Workings (Dis)	Dorset, BH21	Unspecified Quarries Or Mines	Extractive Industries

*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

5

Records of Part A(1) 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 34**

ID	Location	Details	
1	On site	<b>Operator: CANFORD RENEWABLE ENERGY LIMITED</b> <b>Installation Name: CANFORD RENEWABLE ENERGY HYDROGEN PLANT - EPR/RP3206LB</b> <b>Process: INORGANIC CHEMICALS; GASES EG AMMONIA</b> <b>Permit Number: RP3206LB</b> <b>Original Permit Number: RP3206LB</b>	<b>EPR Reference: -</b> <b>Issue Date: 14/05/2021</b> <b>Effective Date: 14/05/2021</b> <b>Last date noted as effective: 01/07/2021</b> <b>Status: EFFECTIVE</b>
A	89m E	Operator: NEW EARTH SOLUTIONS (CANFORD) LIMITED Installation Name: CANFORD MBT FACILITY EPR/FP3393SB Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: FP3908BY Original Permit Number: SP3035AC	EPR Reference: - Issue Date: 18/12/2019 Effective Date: 18/12/2019 Last date noted as effective: 01/07/2021 Status: EFFECTIVE
C	159m NE	Operator: NEW EARTH SOLUTIONS (CANFORD) LIMITED Installation Name: CANFORD MBT FACILITY EPR/SP3035AC Process: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT Permit Number: SP3035AC Original Permit Number: SP3035AC	EPR Reference: - Issue Date: 09/10/2015 Effective Date: 09/10/2015 Last date noted as effective: 01/07/2021 Status: SUPERCEDED
D	214m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: WHITES PIT Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV7184IP Original Permit Number: BV7184IP	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/07/2021 Status: REFUSED
D	214m NW	Operator: BIFFA WASTE SERVICES LTD Installation Name: - Process: WASTE LANDFILLING; >10 T/D WITH CAPACITY >25,000T EXCLUDING INERT WASTE Permit Number: BV7184 Original Permit Number: BV7184	EPR Reference: - Issue Date: - Effective Date: - Last date noted as effective: 01/10/2004 Status: SUPERSEDED BY PAS



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

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

**Records within 500m**

**1**

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 34**

ID	Location	Address	Details	
A	110m NE	Syngas Products Ltd, Canford Low CEF, Arena Way, Poole, BH21 3BW	Process: Combustion & Incineration Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement 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**

**2**

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 34**

ID	Location	Address	Details	
B	117m SE	WHITE'S PIT B4 LAGOON, MAGNA ROAD, WIMBORNE, DORSET, ., BH21 3AP	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 400113 Permit Version: 1 Receiving Water: KNIGHTON BROOK	Status: NEW CONSENT, BY APPLICATION (WRA 91, SECTION 88) Issue date: 22/12/1999 Effective Date: 22/12/1999 Revocation Date: 24/11/2009
B	117m SE	WHITE'S PIT B4 LAGOON, MAGNA ROAD, WIMBORNE, DORSET, ., BH21 3AP	Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: 400113 Permit Version: 2 Receiving Water: KNIGHTON BROOK	Status: MODIFIED - (WRA 91 SCHED 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/11/2009 Effective Date: 25/11/2009 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

5

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 34**



ID	Location	Details	
A	103m E	Incident Date: 23/07/2018 Incident Identification: 1636143 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Smoke	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 2 (Significant)
E	393m W	Incident Date: 07/07/2003 Incident Identification: 171498 Pollutant: Specific Waste Materials Pollutant Description: Household Waste	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	417m W	Incident Date: 07/05/2003 Incident Identification: 156690 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
E	463m W	Incident Date: 13/05/2003 Incident Identification: 158141 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
4	480m NW	Incident Date: 12/05/2003 Incident Identification: 157754 Pollutant: Specific Waste Materials Pollutant Description: Other Specific Waste Material	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

## 4.19 Pollution inventory substances

### Records within 500m

1

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.

Features are displayed on the Current industrial land use map on **page 34**

ID: A, Location: 89m E, Permit: FP3393SB  
 Operator: New Earth Solutions (Canford) Limited  
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT  
 Address: Canford MBT Facility, Site Control Centre Magna Road Wimborne Dorset BH21 3AP  
 Sector: Biowaste, Sub-sector: Biowaste Treatment  
 Releases:



Route	Substance	Reporting threshold (kg)	Quantity (kg)
Air	Carbon dioxide	10000000kg	Below Reporting Threshold

*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>1</b>
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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.

Features are displayed on the Current industrial land use map on **page 34**

ID: A, Location: 89m E, Permit: FP3393SB  
 Operator: New Earth Solutions (Canford) Limited  
 Activity: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT  
 Address: Canford MBT Facility, Site Control Centre Magna Road Wimborne Dorset BH21 3AP  
 Sector: Biowaste, Sub-sector: Biowaste Treatment  
 Releases:

Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	3241.16	Absolute Value	16 10 02	aqueous liquid wastes other than those mentioned in 16 10 01	No
D8	Biological treatment not specified elsewhere in this Table which results in final compounds or mixtures which are discarded by means of any of the operations numbers D1 to D12	234.6	Absolute Value	20 03 04	septic tank sludge	No
D1	Deposit into or onto land (eg landfill, etc.)	6678.72	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No



Route	Route description	Quantity (tonnes)	Release level	EWC code	EWC description	Hazardous waste
D15	Storage pending any of the operations numbered D1 to D14 (excluding temporary storage pending collection, on the site where it is produced)	29.34	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R5	Recycling/reclamation of other inorganic materials	3463.18	Absolute Value	19 12 12	other wastes (including mixtures of materials) from mechanical treatment of wastes other than those mentioned in 19 12 11	No
R1	Use principally as a fuel or other means to generate energy	66303.56	Absolute Value	19 12 10	combustible waste (refuse derived fuel)	No
R3	Recycling/Reclamation of organic substances which are not used as solvents (including composting and other biological transformatin processes)	2207.12	Absolute Value	20 01 08	biodegradable kitchen and canteen waste	No
R4	Recycling/reclamation of metals and metal compounds	591.96	Absolute Value	19 12 02	ferrous metal	No
R4	Recycling/reclamation of metals and metal compounds	68.32	Absolute Value	19 12 03	non-ferrous metal	No
R10	Land treatment resulting in benefit to agriculture or ecological improvement	7977.1	Absolute Value	19 05 99	wastes not otherwise specified	No

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

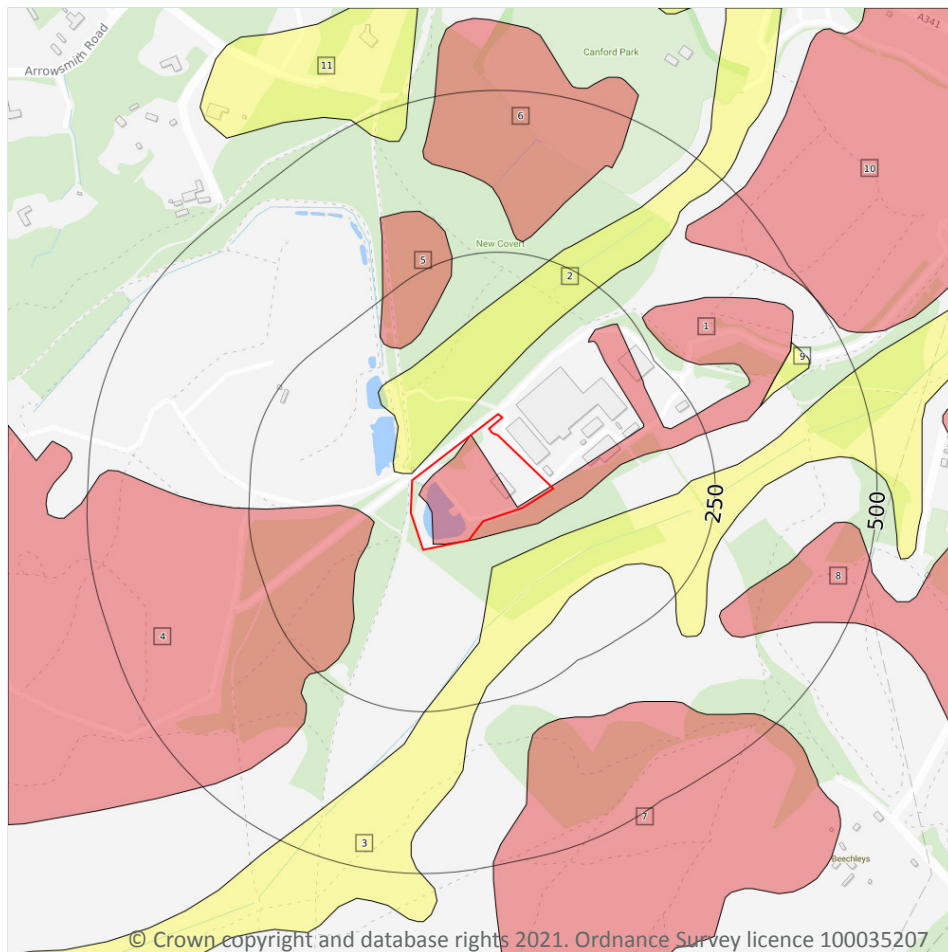
## 4.21 Pollution inventory radioactive waste

<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



- Site Outline**
- Search buffers in metres (m)**
- Principal
  - Secondary A
  - Secondary B
  - Secondary Undifferentiated
  - Unproductive
  - Unknown

### 5.1 Superficial aquifer

Records within 500m

11

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 43**

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	9m 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

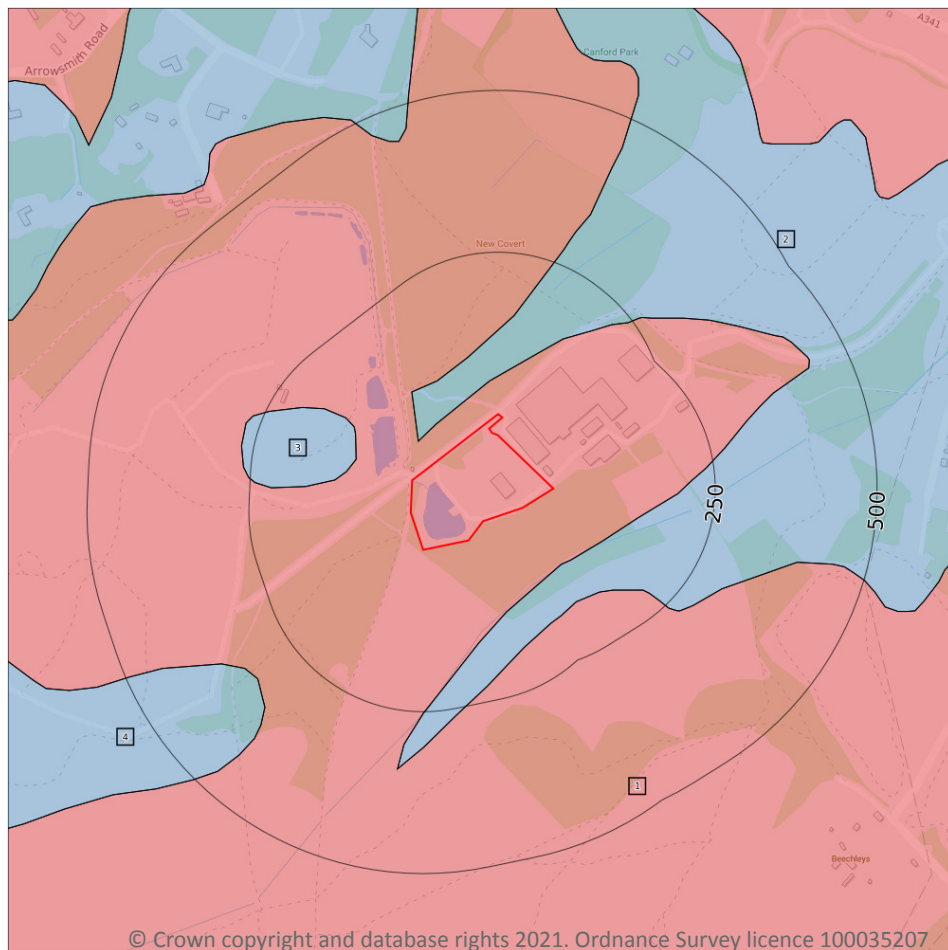


ID	Location	Designation	Description
3	55m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	58m W	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
5	169m NW	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
6	269m 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
7	308m SE	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	321m SE	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
9	344m E	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
10	396m 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
11	448m N	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

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



## Bedrock aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
  - Secondary A
  - Secondary B
  - Secondary Undifferentiated
  - Unproductive

### 5.2 Bedrock aquifer

Records within 500m

4

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 45**

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	42m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

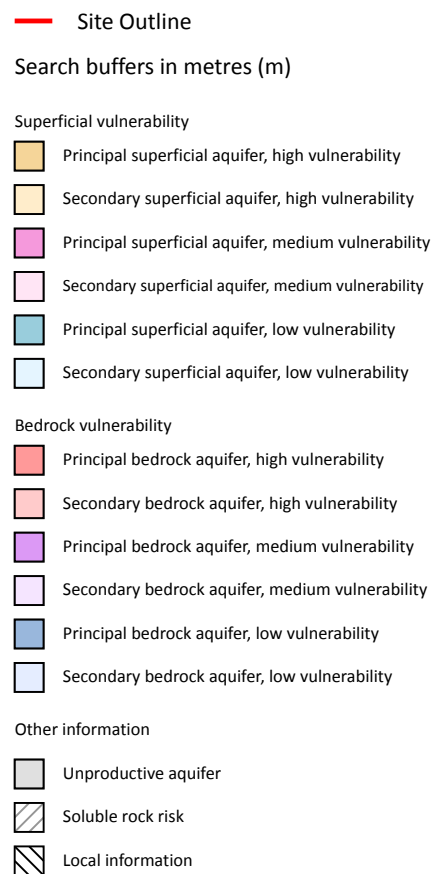
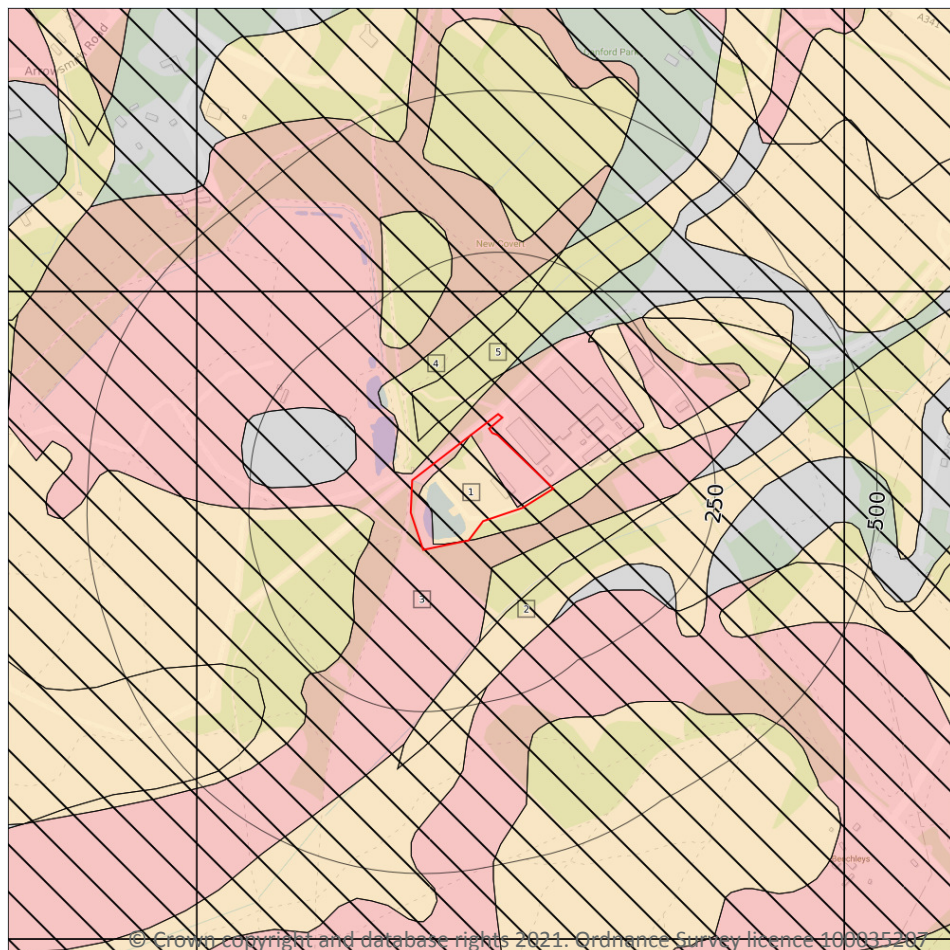


ID	Location	Designation	Description
3	92m W	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	324m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

*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

4

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 47**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
3	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	8m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
5	42m NW	Summary Classification: Secondary superficial aquifer - High Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: >550mm/year	Vulnerability: High Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: Medium	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: 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

### Records on site

0

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

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

## 5.5 Groundwater vulnerability- local information

### Records on site

1

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



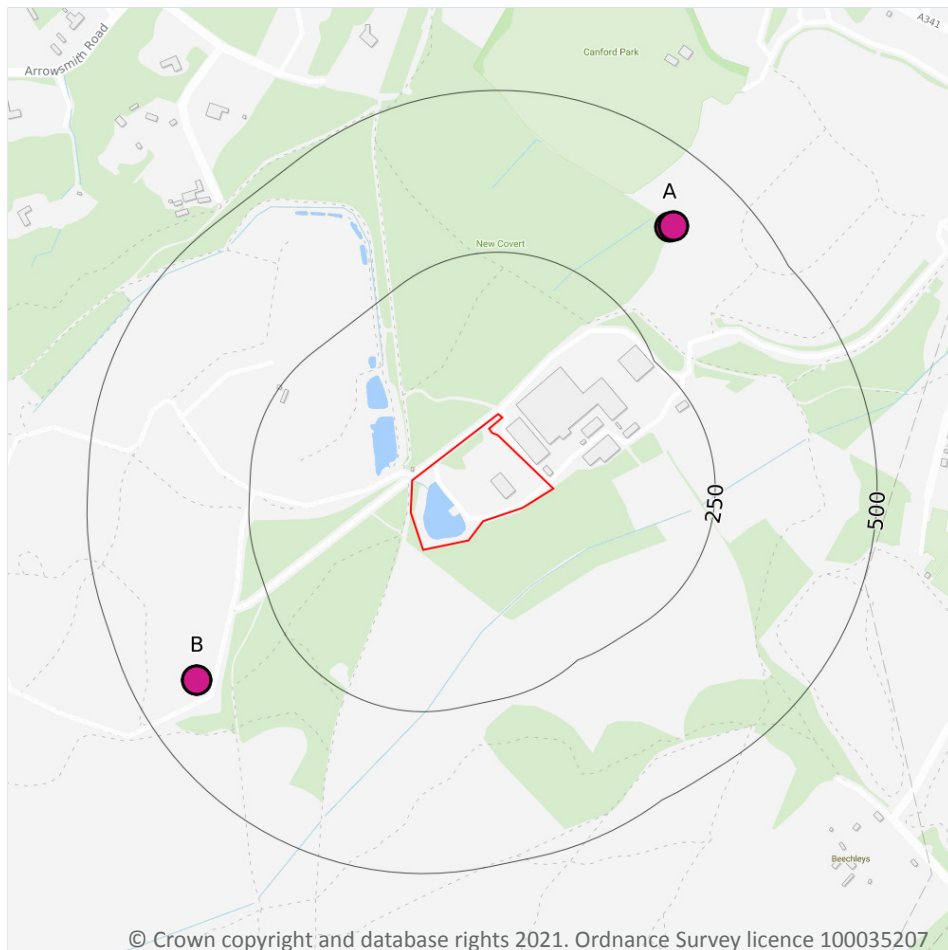
email on [enquiries@environment-agency.gov.uk](mailto:enquiries@environment-agency.gov.uk).

ID	Summary	Additional information
2	Increased vulnerability of superficial river deposits	Exposed areas of river terrace deposits

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



## Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1  
Inner catchment
- Source Protection Zone 2  
Outer catchment
- Source Protection Zone 3  
Total catchment
- Source Protection Zone 4  
Zone of Special Interest
- Source Protection Zone 1c  
Inner catchment - confined aquifer
- Source Protection Zone 2c  
Outer catchment - confined aquifer
- Source Protection Zone 3c  
Total catchment - confined aquifer
- Drinking water abstraction licences  
Polygon features
- Drinking water abstraction licences  
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

### 5.6 Groundwater abstractions

#### Records within 2000m

7

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.

Features are displayed on the Abstractions and Source Protection Zones map on **page 50**

ID	Location	Details	
A	391m NE	Status: Historical Licence No: 13/43/037/G/131 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Ltd Easting: 403730 Northing: 97100	Annual Volume (m <sup>3</sup> ): 27600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 101 Version Start Date: 16/08/2000 Version End Date: -
A	396m NE	Status: Active Licence No: 13/43/037/G/131 Details: Process Water Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Sports Ltd Easting: 403736 Northing: 97101	Annual Volume (m <sup>3</sup> ): 27,600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2018 Version End Date: -
A	396m NE	Status: Active Licence No: 13/43/037/G/131 Details: Spray Irrigation - Direct Direct Source: Ground Water - Fresh Point: CANFORD PARK BOREHOLE #1 Data Type: Point Name: Canford Park Sports Ltd Easting: 403736 Northing: 97101	Annual Volume (m <sup>3</sup> ): 27,600 Max Daily Volume (m <sup>3</sup> ): 150 Original Application No: - Original Start Date: 16/08/2000 Expiry Date: - Issue No: 103 Version Start Date: 20/06/2018 Version End Date: -
B	403m SW	Status: Historical Licence No: 13/43/037/G/115 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Ground Water - Fresh Point: "CANFORD HEATH, WIMBORNE BOREHOLE #1" Data Type: Point Name: W H White Plc Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 100 Version Start Date: 14/06/1996 Version End Date: -
B	403m SW	Status: Historical Licence No: 13/43/037/G/115 Details: General Use Relating To Secondary Category (Very Low Loss) Direct Source: Ground Water - Fresh Point: CANFORD HEATH, WIMBORNE BOREHOLE #1 Data Type: Point Name: W H White Plc Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): 30000 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 101 Version Start Date: 05/08/2011 Version End Date: -



ID	Location	Details	
B	403m SW	Status: Active Licence No: 13/43/037/G/115 Details: Mineral Washing Direct Source: Ground Water - Fresh Point: CANFORD HEATH, WIMBORNE BOREHOLE #1 Data Type: Point Name: W H White Limited Easting: 403000 Northing: 96400	Annual Volume (m <sup>3</sup> ): 30,000 Max Daily Volume (m <sup>3</sup> ): 200 Original Application No: - Original Start Date: 14/06/1996 Expiry Date: - Issue No: 102 Version Start Date: 04/07/2017 Version End Date: -
-	1736m W	Status: Historical Licence No: 13/43/037/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BLACKWATER FARM WELL POINT #1 Data Type: Point Name: Waters Easting: 401700 Northing: 97300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 01/07/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/07/1967 Version End Date: -

*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 50**

ID	Location	Details	
-	1227m NW	Status: Historical Licence No: 13/43/037/S/127 Details: General use relating to Secondary Category (Very Low Loss) Direct Source: Surface Water - Fresh Point: ARROWSMITH STREAM AT CANFORD MAGNA Data Type: Point Name: Coward Easting: 402900 Northing: 97900	Annual Volume (m <sup>3</sup> ): 56775 Max Daily Volume (m <sup>3</sup> ): 207.4 Original Application No: - Original Start Date: 04/10/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2005 Version End Date: -



ID	Location	Details	
-	1227m NW	Status: Active Licence No: 13/43/037/S/127 Details: Lake & Pond Throughflow Direct Source: Surface Water - Fresh Point: ARROWSMITH STREAM AT CANFORD MAGNA Data Type: Point Name: Coward Easting: 402900 Northing: 97900	Annual Volume (m <sup>3</sup> ): 56,775 Max Daily Volume (m <sup>3</sup> ): 207.40 Original Application No: - Original Start Date: 04/10/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/09/2005 Version End Date: -

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

## 5.8 Potable abstractions

<b>Records within 2000m</b>	<b>0</b>
-----------------------------	----------

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

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

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.*

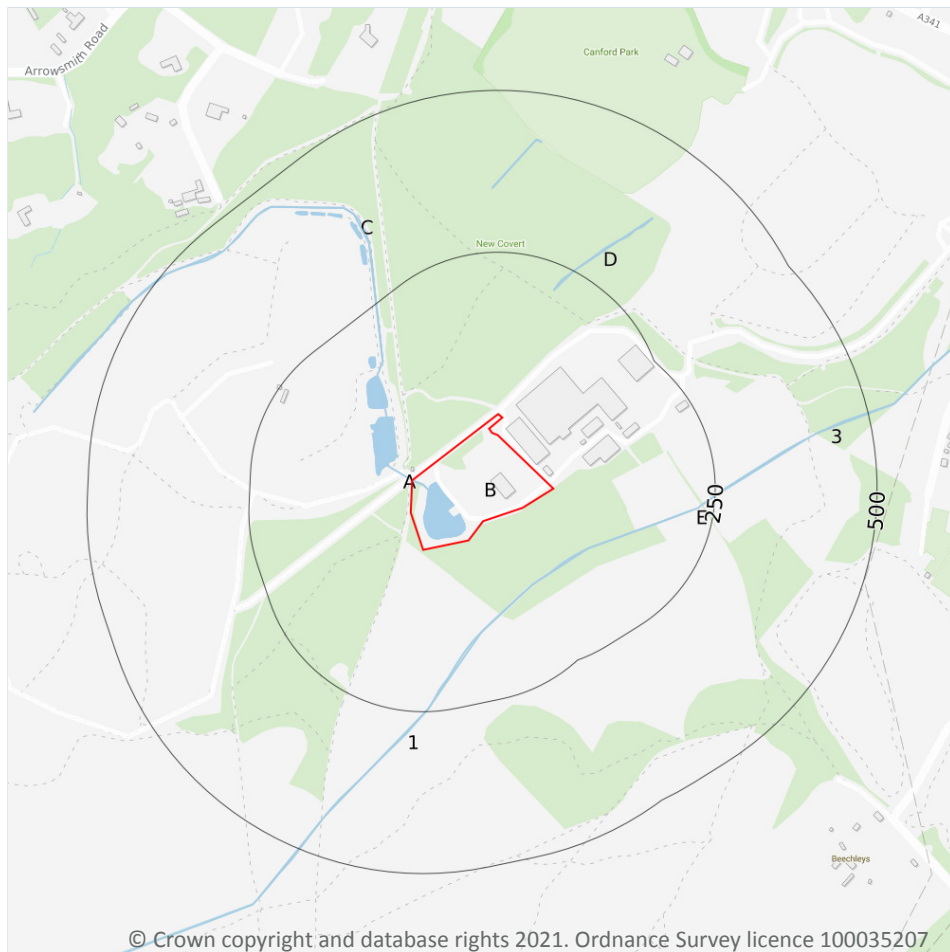
## 5.10 Source Protection Zones (confined aquifer)

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

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



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

### 6.1 Water Network (OS MasterMap)

Records within 250m

12

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 54**

ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	39m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	102m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
1	104m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	113m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	161m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	172m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	209m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	215m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
3	223m E	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

9

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 54**

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

### Records on site

1

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 54**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
B	On site	River	Stour (Lower)	GB108043011040	Stour Dorset	Dorset

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

## 6.4 WFD Surface water bodies

### Records identified

1

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 54**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1694m NE	River	Stour (Lower)	<a href="#">GB108043011040</a>	Moderate	Fail	Moderate	2019

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



## 6.5 WFD Groundwater bodies

### Records on site

**1**

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 54**

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
B	On site	Lower Dorset Stour and Lower Hampshire Avon	<a href="#"><u>GB40802G805800</u></a>	Poor	Poor	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

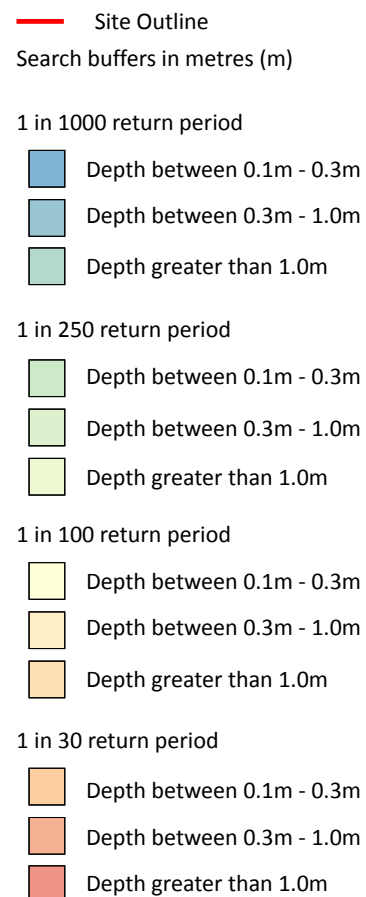
Records within 50m	0
--------------------	---

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, 0.3m - 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 61**

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.

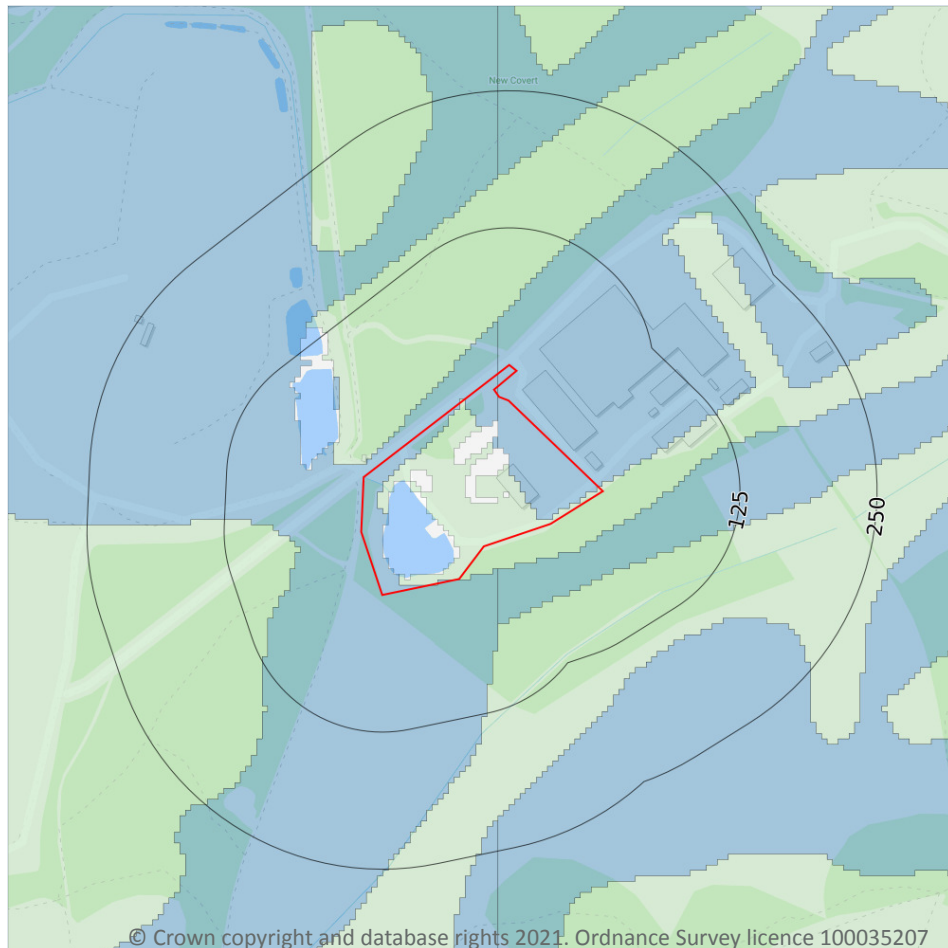
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
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 Ambiantal Risk Analytics.*



## 9 Groundwater flooding



— Site Outline  
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

### 9.1 Groundwater flooding

Highest risk on site

**Low**

Highest risk within 50m

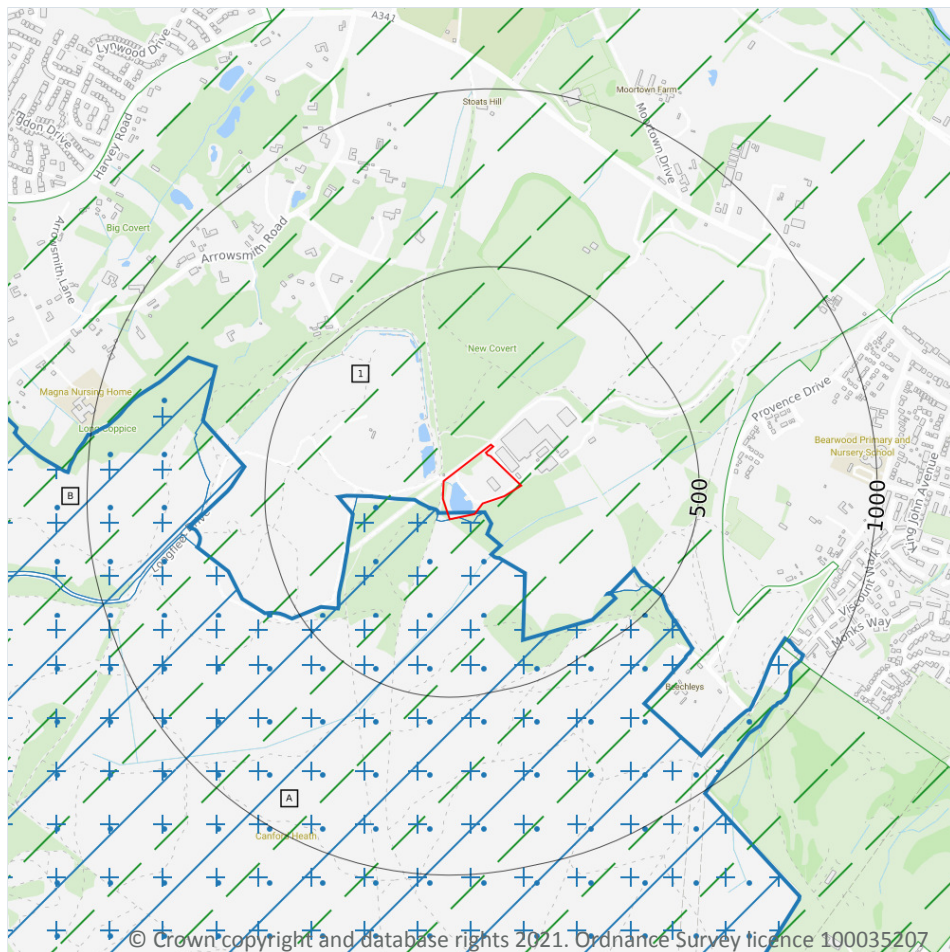
**Low**

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 63**

*This data is sourced from Ambiantal Risk Analytics.*

## 10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- X Conserved wetland sites (Ramsar sites)
- + Special Areas of Conservation (SAC)
- Special Protection Areas (SPA)
- / Designated Ancient Woodland
- / Green Belt

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

#### Records within 2000m

2

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 64**

ID	Location	Name	Data source
A	On site	Canford Heath	Natural England



ID	Location	Name	Data source
-	1730m W	Canford Heath	Natural England

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

## 10.2 Conserved wetland sites (Ramsar sites)

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

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Site	Details
-	1585m SW	Name: Dorset Heathlands Site status: Listed Data source: Natural England	<p>Overview: Extensive and fragmented, these heathland areas are centred around the estuary of Poole Harbour and are adjacent to the urban conurbation of Bournemouth and Poole. The heathland contains numerous examples of wet heath and acid valley mire, habitats that are restricted to the Atlantic fringe of Europe. These heath wetlands are among the best of their type in lowland Britain. There are also transitions to coastal wetland and fen habitat types. The wetland flora and fauna includes a large assemblage of nationally rare and scarce species, especially invertebrates.</p> <p>Ramsar criteria: Ramsar criterion 1 Contains particularly good examples of (i) northern Atlantic wet heaths with cross-leaved heath <i>Erica tetralix</i> and (ii) acid mire with <i>Rhynchosporion</i>. Contains largest example in Britain of southern Atlantic wet heaths with Dorset heath <i>Erica ciliaris</i> and cross-leaved heath <i>Erica tetralix</i>. Ramsar criterion 2 Supports 1 nationally rare and 13 nationally scarce wetland plant species, and at least 28 nationally rare wetland invertebrate species. Ramsar criterion 3 Has a high species richness and high ecological diversity of wetland habitat types and transitions, and lies in one of the most biologically-rich wetland areas of lowland Britain, being continuous with three other Ramsar sites: Poole Harbour, Avon Valley and The New Forest.</p>

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

## 10.3 Special Areas of Conservation (SAC)

### Records within 2000m

**3**

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.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Features of interest	Habitat description	Data source
A	0m S	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
B	656m W	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England
-	1730m W	Dorset Heaths	Wet heathland with cross-leaved heath; Wet heathland with Dorset heath and cross-leaved heath; Dry heaths; Purple moor-grass meadows; Depressions on peat substrates; Calcium-rich fen dominated by great fen sedge (saw sedge); Calcium-rich springwater-fed fens; Dry oak-dominated woodland; Bog woodland; Great crested newt; Southern damselfly.	Mixed woodland; Dry grassland, Steppes; Coniferous woodland; Broad-leaved deciduous woodland; Heath, Scrub, Maquis and Garrigue, Phygrana; Bogs, Marshes, Water fringed vegetation, Fens; Humid grassland, Mesophile grassland; Inland water bodies (Standing water, Running water)	Natural England

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



## 10.4 Special Protection Areas (SPA)

Records within 2000m

4

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.

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Species of interest	Habitat description	Data source
A	0m S	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
B	656m W	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
-	1419m S	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England
-	1730m W	Dorset Heathlands	Hen harrier; Merlin; European nightjar; Wood lark; Dartford warbler	Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Coniferous woodland; Broad-leaved deciduous woodland; Bogs, Marshes, Water fringed vegetation, Fens; Dry grassland, Steppes; Coastal sand dunes, Sand beaches	Natural England

*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****1**

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 64**

ID	Location	Name	Woodland Type
-	1551m W	Arrowsmith Coppice	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

2

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

Features are displayed on the Environmental designations map on **page 64**

ID	Location	Name	Local Authority name
1	On site	Bournemouth, Christchurch and Poole	Bournemouth, Christchurch and Poole
5	1695m NE	Bournemouth, Christchurch and Poole	Dorset

*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

5

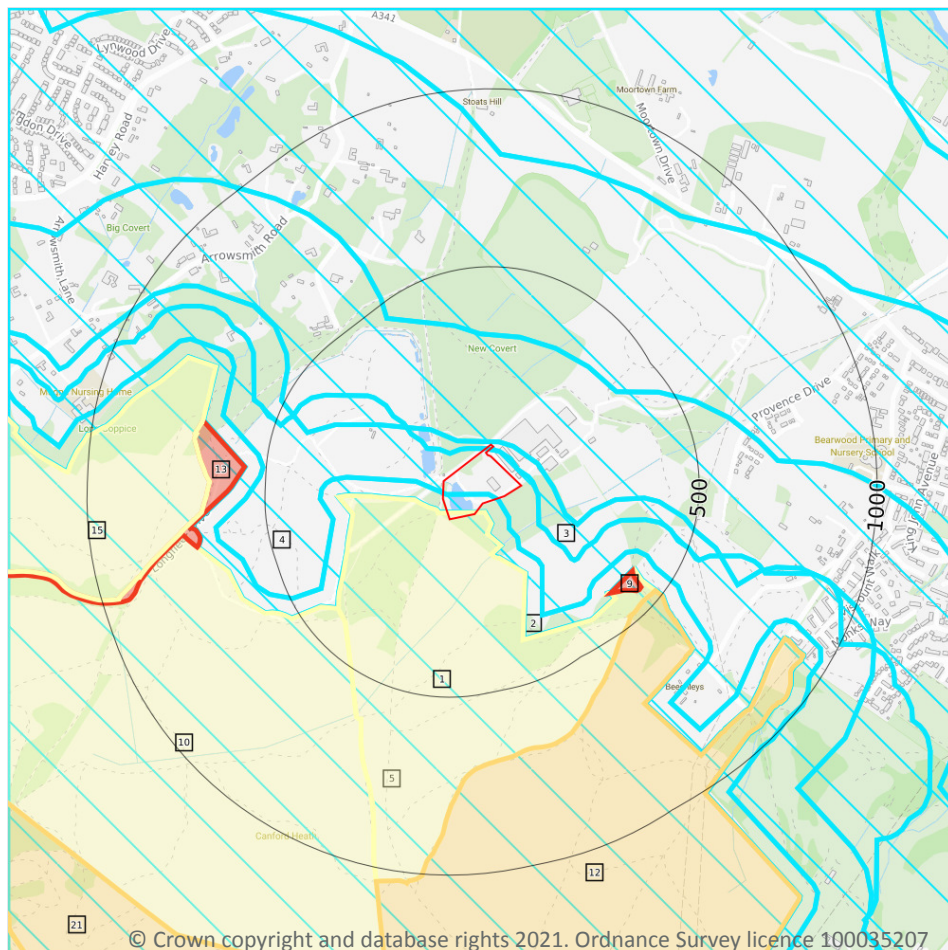
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
1505m S	Poole Harbour	Eutrophic Water	ET1	Changed
1547m SE	Poole Harbour	Eutrophic Water	ET1	Changed
1618m SW	Poole Harbour	Eutrophic Water	ET1	Changed
1638m SW	Poole Harbour	Eutrophic Water	ET1	Changed
1732m W	Poole Harbour	Eutrophic Water	ET1	Changed

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



## SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

### 10.17 SSSI Impact Risk Zones

#### Records on site

4

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 71**

ID	Location	Type of developments requiring consultation
2	On site	All applications - All planning applications - except householder applications.



ID	Location	Type of developments requiring consultation
3	On site	<p>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.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>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.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</p> <p>Residential - Any residential developments with a total net gain in residential units.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste of more than 20m<sup>3</sup>/day to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p>



ID	Location	Type of developments requiring consultation
4	On site	<p>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.</p> <p>Infrastructure - Pipelines, pylons and overhead cables. any transport proposal including road, rail and by water (excluding routine maintenance). airports, helipads and other aviation proposals.</p> <p>Wind and Solar - Solar schemes with footprint &gt; 0.5ha, all wind turbines.</p> <p>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.</p> <p>Rural non-residential - Large non residential developments outside existing settlements/urban areas where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or footprint exceeds 0.2ha.</p> <p>Residential - Any residential developments with a total net gain in residential units.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any development that could cause air pollution or dust either in its construction or operation (incl: industrial/commercial processes, livestock &amp; poultry units, slurry lagoons &amp; digestate stores, manure stores).</p> <p>Combustion - All general combustion processes. incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management.</p> <p>Composting - Any composting proposal. incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p> <p>Discharges - Any discharge of water or liquid waste that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.</p> <p>Water supply - Large infrastructure such as warehousing / industry where net additional gross internal floorspace is &gt; 1,000m<sup>2</sup> or any development needing its own water supply .</p>
5	On site	All applications - All planning applications.

*This data is sourced from Natural England.*

## 10.18 SSSI Units

<b>Records within 2000m</b>	<b>16</b>
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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 71**

ID:	1
Location:	On site
SSSI name:	Canford Heath
Unit name:	Canford Heath North
Broad habitat:	Dwarf Shrub Heath - Lowland
Condition:	Unfavourable - Recovering



## Reportable features:

Feature name	Feature condition	Date of assessment
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	25/11/2010
H4030 European dry heaths	Unfavourable - Recovering	25/11/2010
H7150 Depressions on peat substrates of the Rhynchosporion	Unfavourable - Recovering	25/11/2010

ID: 9  
 Location: 391m SE  
 SSSI name: Canford Heath  
 Unit name: Canford Heath Pit Deletions  
 Broad habitat: Built Up Areas And Gardens  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, Sylvia undata	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, Lacerta agilis	Not Recorded	01/01/1900
Smooth snake, Coronella austriaca	Not Recorded	01/01/1900

ID: 10  
 Location: 402m SW  
 SSSI name: Canford Heath  
 Unit name: Canford Heath West  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, Sylvia undata	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	18/09/2009
H4030 European dry heaths	Unfavourable - Recovering	18/09/2009
Sand lizard, Lacerta agilis	Not Recorded	01/01/1900
Smooth snake, Coronella austriaca	Not Recorded	01/01/1900



ID: 12  
 Location: 472m SE  
 SSSI name: Canford Heath  
 Unit name: Canford Heath North East  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - No change	25/11/2010
H4030 European dry heaths	Unfavourable - No change	25/11/2010

ID: 13  
 Location: 561m W  
 SSSI name: Canford Heath  
 Unit name: Canford Heath Pit Deletions  
 Broad habitat: Built Up Areas And Gardens  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, Sylvia undata	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, Lacerta agilis	Not Recorded	01/01/1900
Smooth snake, Coronella austriaca	Not Recorded	01/01/1900

ID: 15  
 Location: 656m W  
 SSSI name: Canford Heath  
 Unit name: Arrowsmith Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, Sylvia undata	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with Erica tetralix	Unfavourable - Recovering	23/03/2010



Feature name	Feature condition	Date of assessment
H4030 European dry heaths	Unfavourable - Recovering	23/03/2010
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1318m S  
 SSSI name: Canford Heath  
 Unit name: Lodge Hill East  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 21  
 Location: 1319m S  
 SSSI name: Canford Heath  
 Unit name: Lodge Hill West  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Population of RDB moth - <i>Coscinia cribraria</i> , Speckled Footman	Not Recorded	01/01/1900



Feature name	Feature condition	Date of assessment
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1468m S  
 SSSI name: Canford Heath  
 Unit name: Culliford Crescent  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1515m S  
 SSSI name: Canford Heath  
 Unit name: Belben Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: 25  
 Location: 1554m SW  
 SSSI name: Canford Heath  
 Unit name: Route E  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1579m S  
 SSSI name: Canford Heath  
 Unit name: Culliford Crescent  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1585m SW  
 SSSI name: Canford Heath  
 Unit name: Tolleford Road  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
H7150 Depressions on peat substrates of the Rhynchosporion	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1621m SW  
 SSSI name: Canford Heath  
 Unit name: Sandringham Park  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Destroyed  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1634m SW  
 SSSI name: Canford Heath  
 Unit name: Gravel Hill  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - No change

## Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - No change	16/03/2007
H4030 European dry heaths	Unfavourable - No change	16/03/2007
H7150 Depressions on peat substrates of the <i>Rhynchosporion</i>	Unfavourable - No change	16/03/2007
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

ID: -  
 Location: 1730m W  
 SSSI name: Canford Heath  
 Unit name: Dunyeat's Hill  
 Broad habitat: Dwarf Shrub Heath - Lowland  
 Condition: Unfavourable - Recovering  
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Dartford warbler, <i>Sylvia undata</i>	Not Recorded	01/01/1900
Assemblages of breeding birds - Lowland heath	Not Recorded	01/01/1900
H4010 Northern Atlantic wet heaths with <i>Erica tetralix</i>	Unfavourable - Recovering	19/11/2009
H4030 European dry heaths	Unfavourable - Recovering	19/11/2009
Sand lizard, <i>Lacerta agilis</i>	Not Recorded	01/01/1900
Smooth snake, <i>Coronella austriaca</i>	Not Recorded	01/01/1900

*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

0

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.



*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

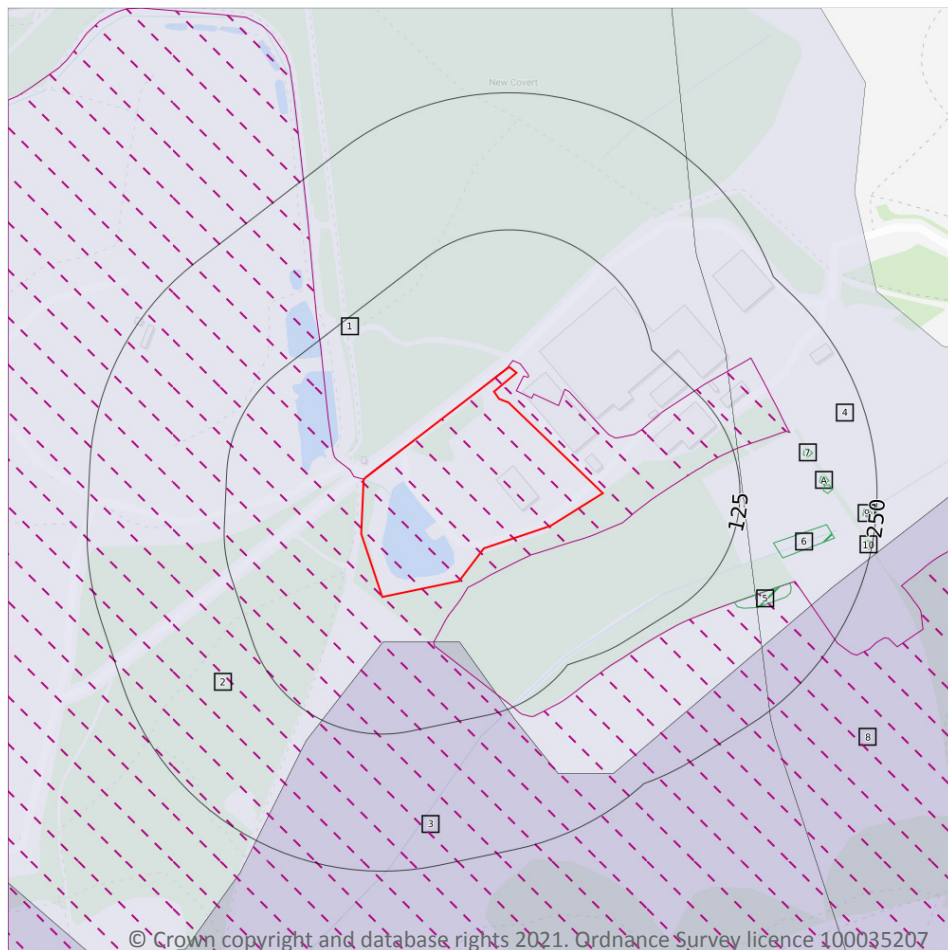
Records within 250m

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



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

### 12.1 Agricultural Land Classification

Records within 250m

4

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 83**

ID	Location	Classification	Description
1	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.

ID	Location	Classification	Description
3	41m S	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.
4	127m E	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.
8	202m SE	Grade 5	Very poor quality agricultural land. Land with very severe limitations which restrict use to permanent pasture or rough grazing, except for occasional pioneer forage crops.

*This data is sourced from Natural England.*

## 12.2 Open Access Land

### Records within 250m

1

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.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Name	Classification	Other relevant legislation
2	On site	-	Section 4 Conclusive Open Country	-

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

## 12.3 Tree Felling Licences

### Records within 250m

7

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.

Features are displayed on the Agricultural designations map on **page 83**

ID	Location	Description	Reference	Application date
5	156m SE	Clear Fell (Conditional)	018/373/12-13	22/05/2013
6	162m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
7	186m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013



ID	Location	Description	Reference	Application date
A	198m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
A	201m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
9	238m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013
10	243m E	Clear Fell (Conditional)	018/373/12-13	22/05/2013

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

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

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.

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

**Records within 250m** **1**

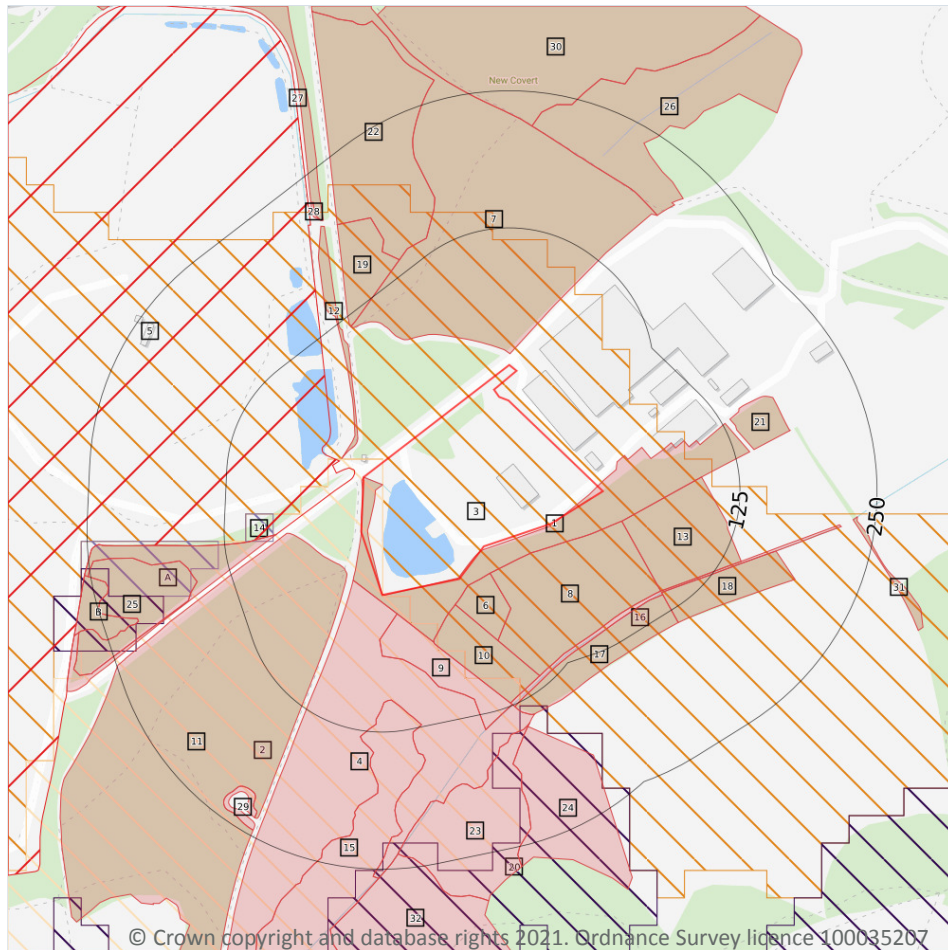
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	468735	Countryside Stewardship (Higher Tier)	01/01/2018	31/12/2027

*This data is sourced from Natural England.*



## 13 Habitat designations



- Site Outline**
- Search buffers in metres (m)**
- Priority Habitat Inventory
  - Open Mosaic Habitat
  - Limestone Pavement Orders
- Habitat Networks**
- Primary Habitat
  - Restorable Habitat
  - Associated Habitats
  - Habitat Restoration-Creation
  - Network Enhancement Zone 1
  - Network Enhancement Zone 2

### 13.1 Priority Habitat Inventory

Records within 250m

29

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 86**

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2); LHEAT (ENSIS L2); UHEAT (ENSIS L2)
4	5m SW	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)

ID	Location	Main Habitat	Other habitats
6	10m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
7	10m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	19m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	20m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
10	22m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
11	25m W	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
12	26m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	32m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	78m W	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
15	96m S	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
16	103m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
17	107m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	107m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	116m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	133m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	137m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	147m SE	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
24	148m SE	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
25	156m W	No main habitat but additional habitats present	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
26	191m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
27	208m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	210m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
29	214m SW	No main habitat but additional habitats present	Main habitat: LHEAT (ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)



ID	Location	Main Habitat	Other habitats
B	218m W	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)
30	219m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	230m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	236m S	Lowland heathland	Main habitat: LHEAT (INV > 50%, ENSIS L1); UHEAT (ENSIS L1); Additional: LFENS (ENSIS L2); LRBOG (ENSIS L2)

*This data is sourced from Natural England.*

## 13.2 Habitat Networks

<b>Records within 250m</b>	<b>6</b>
----------------------------	----------

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.

Features are displayed on the Habitat designations map on **page 86**

ID	Location	Type	Habitat
<b>2</b>	<b>On site</b>	<b>Habitat Restoration-Creation</b>	<b>Not specified</b>
<b>3</b>	<b>On site</b>	<b>Network Enhancement Zone 1</b>	<b>Not specified</b>
14	80m W	Restorable Habitat	Not specified
20	128m SE	Primary Habitat	Lowland heathland
A	131m W	Restorable Habitat	Not specified
B	190m W	Primary Habitat	Lowland heathland

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

<b>Records within 250m</b>	<b>1</b>
----------------------------	----------

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.

Features are displayed on the Habitat designations map on **page 86**

ID	Location	Site reference	Identification confidence	Primary source	Secondary source	Tertiary source
5	9m W	BRITPITS ref: 18140	Low	British Geological Survey BRITPITS database	Environment Agency Historic Landfill Sites	UK Perspectives Aerial Photography

*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



— Site Outline  
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

### 14.1 10k Availability

#### Records within 500m

1

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.

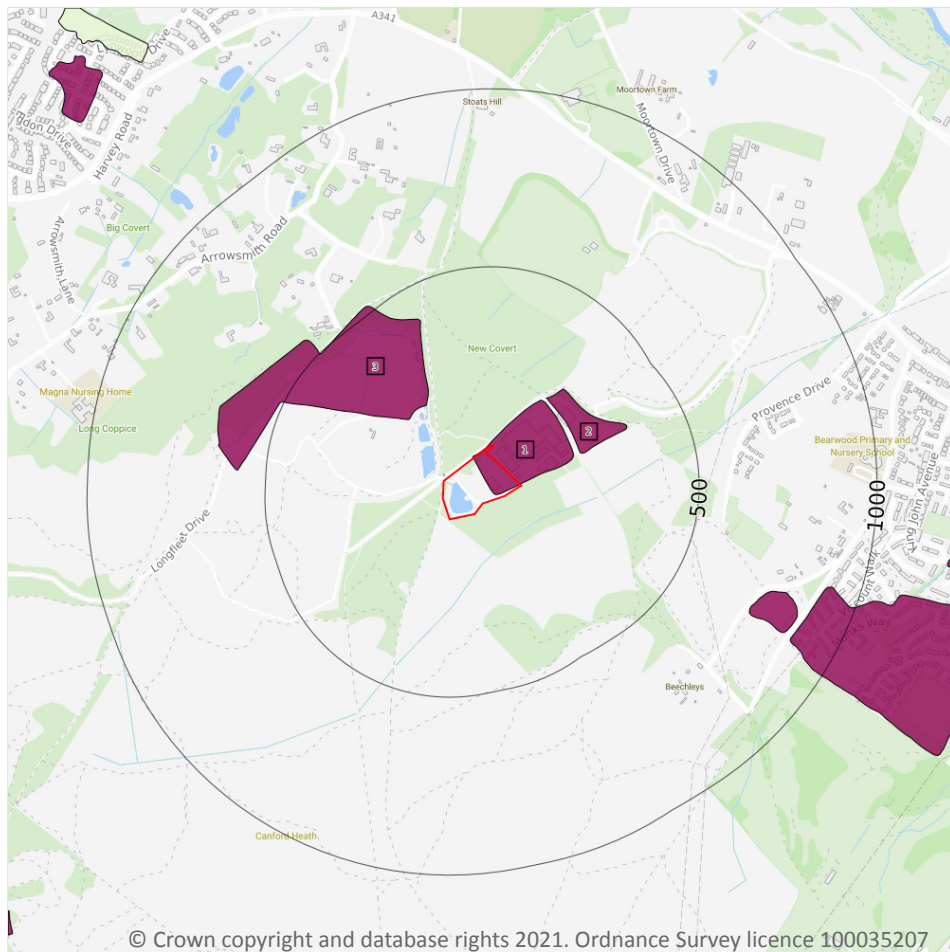
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 90**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SZ09NW

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



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



— Site Outline  
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

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

Records within 500m

3

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.

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 91**

ID	Location	LEX Code	Description	Rock description
1	On site	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
2	190m NE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
3	197m NW	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit

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



## Geology 1:10,000 scale - Superficial



**Site Outline**

Search buffers in metres (m)

**Landslip (10k)**

**Superficial geology (10k)**  
Please see table for more details.

### 14.3 Superficial geology (10k)

Records within 500m

14

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.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 92**

ID	Location	LEX Code	Description	Rock description
1	On site	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
2	On site	SUPNM-UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
3	22m NW	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel



ID	Location	LEX Code	Description	Rock description
4	41m SE	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
5	68m W	RT12-XSV	River Terrace Deposits, 12 - Sand And Gravel	Sand And Gravel
6	175m NW	RT11-XSV	River Terrace Deposits, 11 - Sand And Gravel	Sand And Gravel
7	190m NE	SUPNM-UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
8	197m NW	SUPNM-UNKNOWN	Superficial Theme Not Mapped [for Digital Map Use Only] - Unknown/unclassified Entry	Unknown/unclassified Entry
9	264m N	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
10	291m SE	RT12-XSV	River Terrace Deposits, 12 - Sand And Gravel	Sand And Gravel
11	324m SE	RTDX-XSV	River Terrace Deposits, 10 - Sand And Gravel	Sand And Gravel
12	389m NE	RTD8-XSV	River Terrace Deposits, 8 - Sand And Gravel	Sand And Gravel
13	403m E	RTD9-XSV	River Terrace Deposits, 9 - Sand And Gravel	Sand And Gravel
14	450m N	HEAD-XCZSV	Head - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel

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

## 14.4 Landslip (10k)

**Records within 500m**

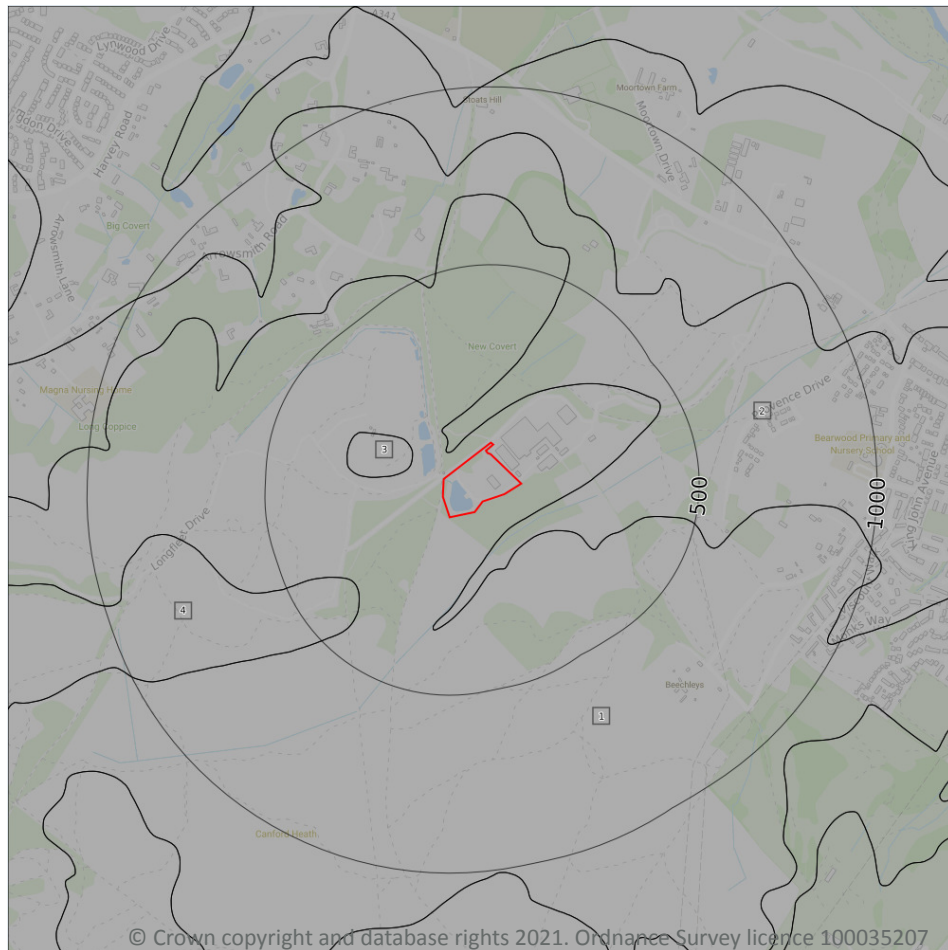
**0**

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

4

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 94**

ID	Location	LEX Code	Description	Rock age
1	On site	POOL-SSCL	Poole Formation - Sand, Silt And Clay	Lutetian Age - Ypresian Age
2	48m NW	BRTC-SICL	Broadstone Clay Member - Silty Clay	Lutetian Age
3	101m NW	BRTC-SICL	Broadstone Clay Member - Silty Clay	Lutetian Age
4	325m SW	PKC-SICL	Parkstone Clay Member - Silty Clay	Lutetian Age



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

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

**Records within 500m**

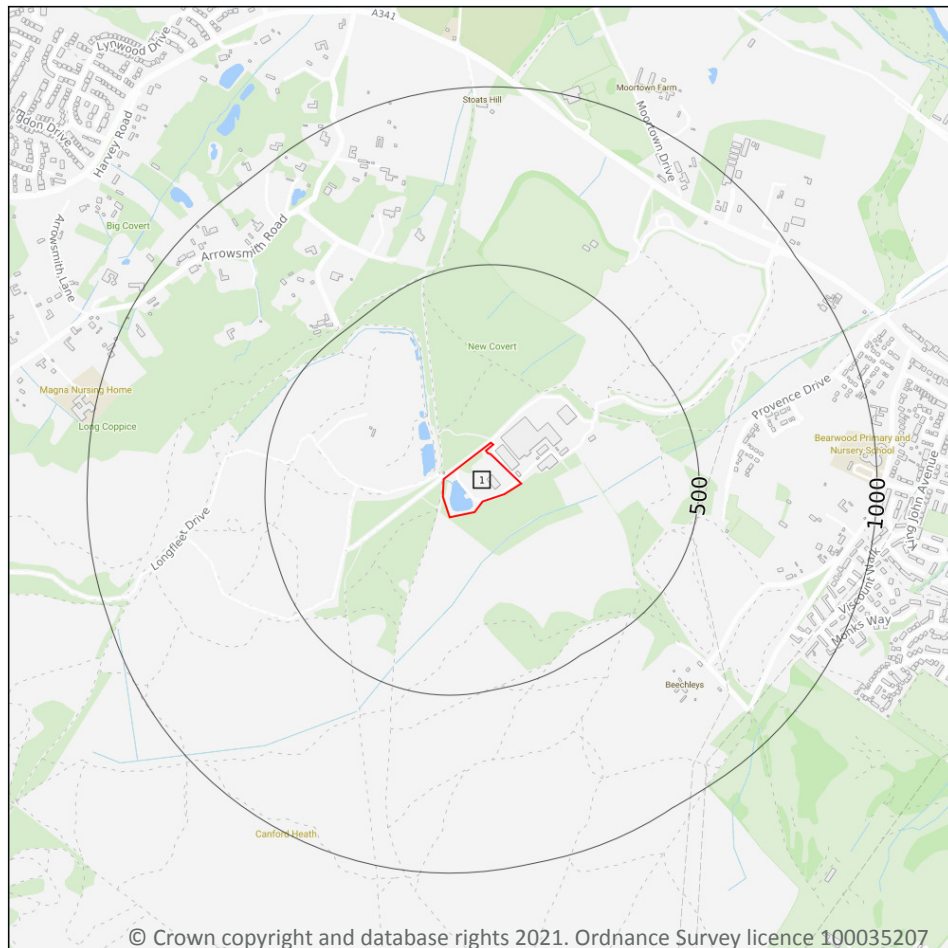
**0**

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.

*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.

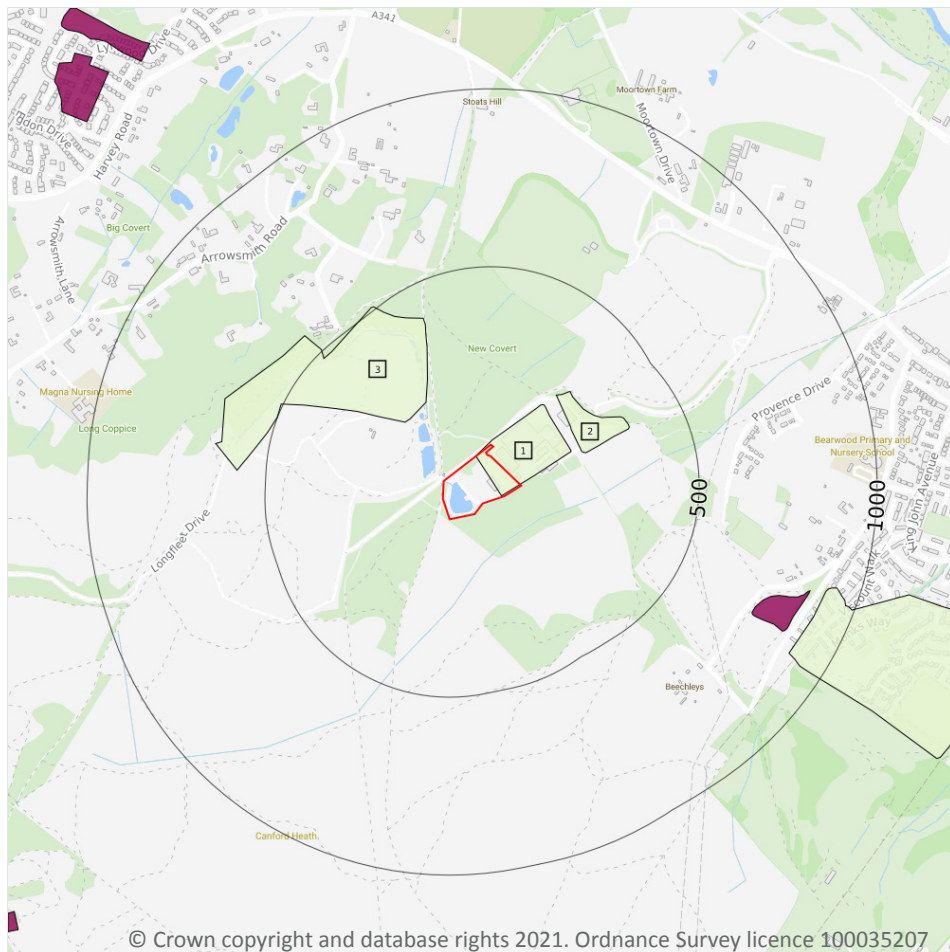
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 96**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW329_bournemouth_v4

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



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



- Site Outline
- Search buffers in metres (m)
- Made ground
  - Worked ground
  - Infilled ground
  - Disturbed ground
  - Landscaped ground

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

#### Records within 500m

3

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.

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 97**

ID	Location	LEX Code	Description	Rock description
1	On site	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
2	195m NE	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT
3	196m NW	WMGR-ARTDP	INFILLED GROUND	ARTIFICIAL DEPOSIT

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



### 15.3 Artificial ground permeability (50k)

**Records within 50m****1**

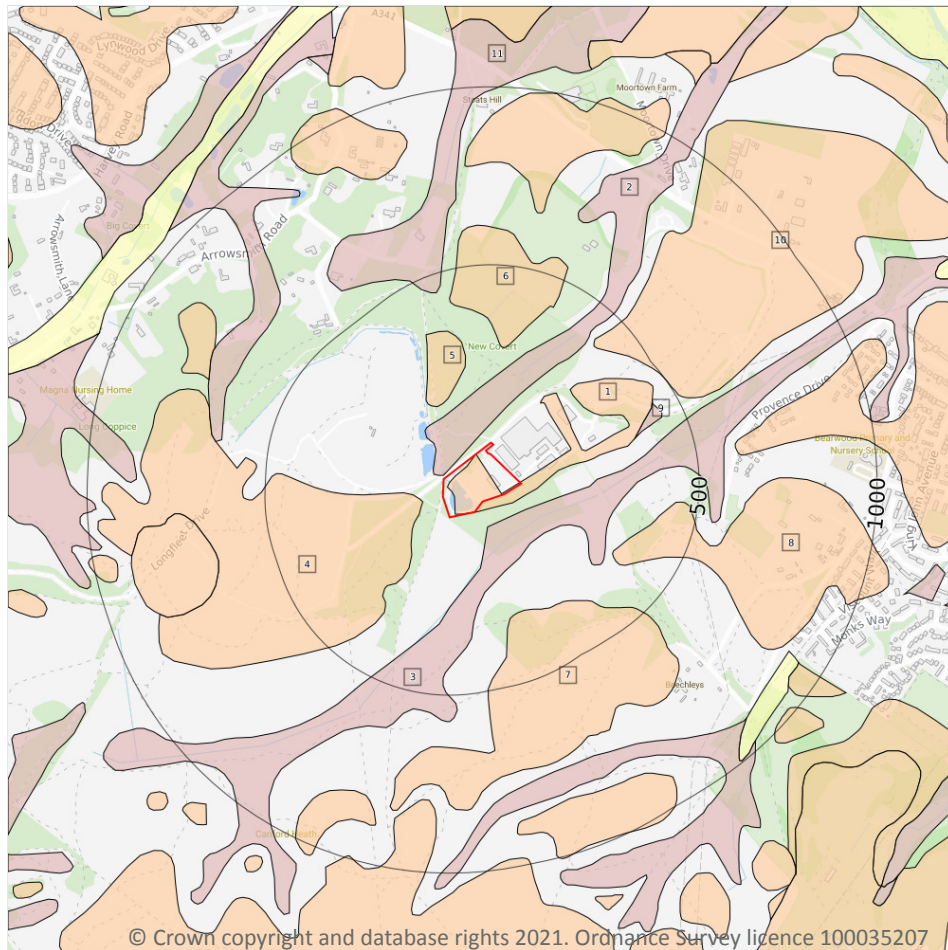
A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any artificial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Very High	Low

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



## Geology 1:50,000 scale - Superficial



**Site Outline**

Search buffers in metres (m)

**Landslip (50k)**

**Superficial geology (50k)**  
Please see table for more details.

### 15.4 Superficial geology (50k)

#### Records within 500m

11

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.

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 99**

ID	Location	LEX Code	Description	Rock description
1	On site	RTDX-XSV	RIVER TERRACE DEPOSITS, 10	SAND AND GRAVEL
2	9m NW	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
3	55m SE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	58m W	RT12-XSV	RIVER TERRACE DEPOSITS, 12	SAND AND GRAVEL
5	169m NW	RT11-XSV	RIVER TERRACE DEPOSITS, 11	SAND AND GRAVEL
6	269m N	RTDX-XSV	RIVER TERRACE DEPOSITS, 10	SAND AND GRAVEL
7	308m SE	RT12-XSV	RIVER TERRACE DEPOSITS, 12	SAND AND GRAVEL
8	321m SE	RTD8-XSV	RIVER TERRACE DEPOSITS, 8	SAND AND GRAVEL
9	344m E	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
10	396m NE	RTD8-XSV	RIVER TERRACE DEPOSITS, 8	SAND AND GRAVEL
11	448m N	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

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

## 15.5 Superficial 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 any superficial deposits (the zone between the land surface and the water table).

Location	Flow type	Maximum permeability	Minimum permeability
<b>On site</b>	<b>Intergranular</b>	<b>Very High</b>	<b>High</b>
9m NE	Mixed	High	Very Low

*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

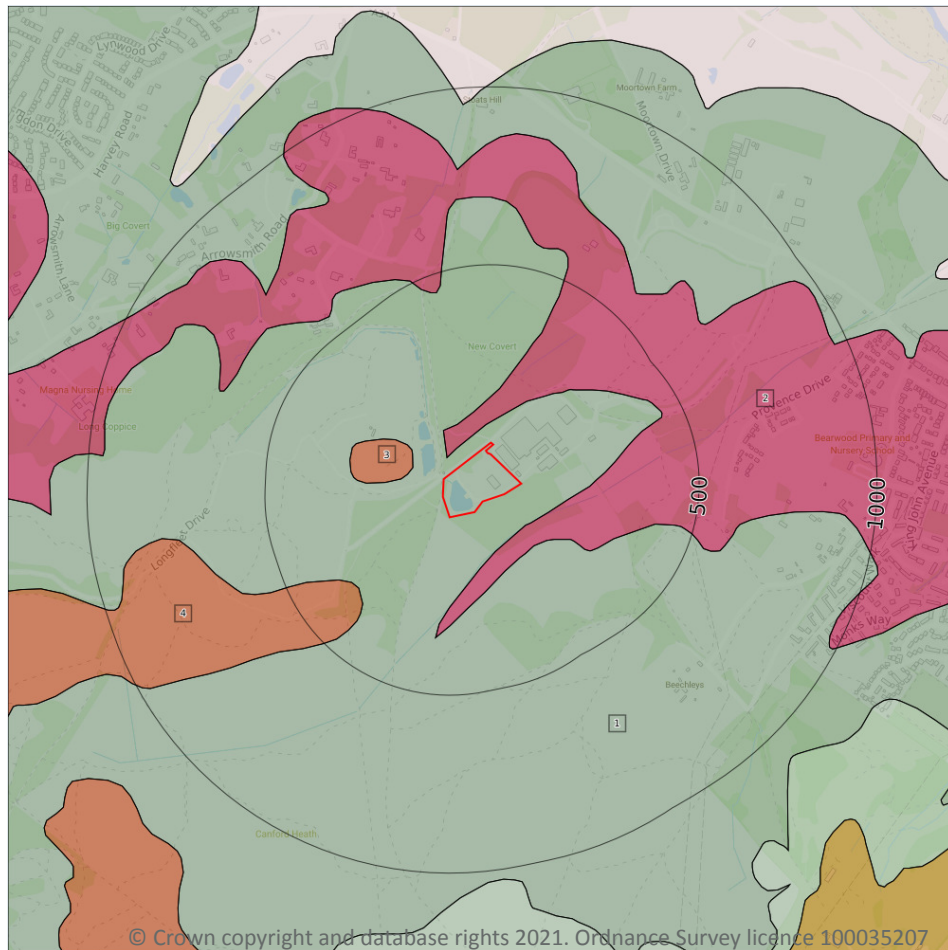
0

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

4

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 102**

ID	Location	LEX Code	Description	Rock age
1	On site	POOL-XSZC	POOLE FORMATION - SAND, SILT AND CLAY	YPRESIAN
2	42m NW	BRTC-CZ	BROADSTONE CLAY MEMBER - CLAY, SILTY	LUTETIAN
3	92m W	PKC-C	PARKSTONE CLAY MEMBER - CLAY	-
4	324m SW	PKC-C	PARKSTONE CLAY MEMBER - CLAY	-



*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
<b>On site</b>	<b>Intergranular</b>	<b>High</b>	<b>Low</b>
42m W	Fracture	Low	Very Low

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

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

Records within 500m

0

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.

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



## 16 Boreholes

### 16.1 BGS Boreholes

Records within 250m

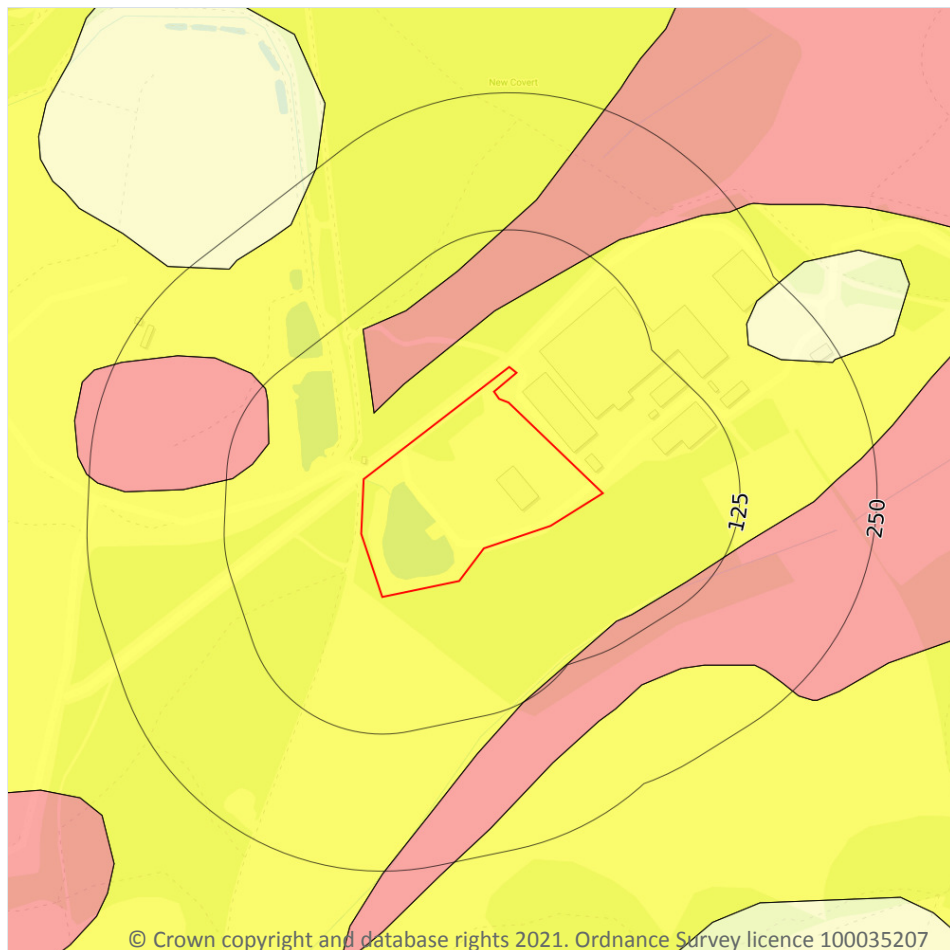
0

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.

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



## 17 Natural ground subsidence - Shrink swell clays



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

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### 17.1 Shrink swell clays

#### Records within 50m

2

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).

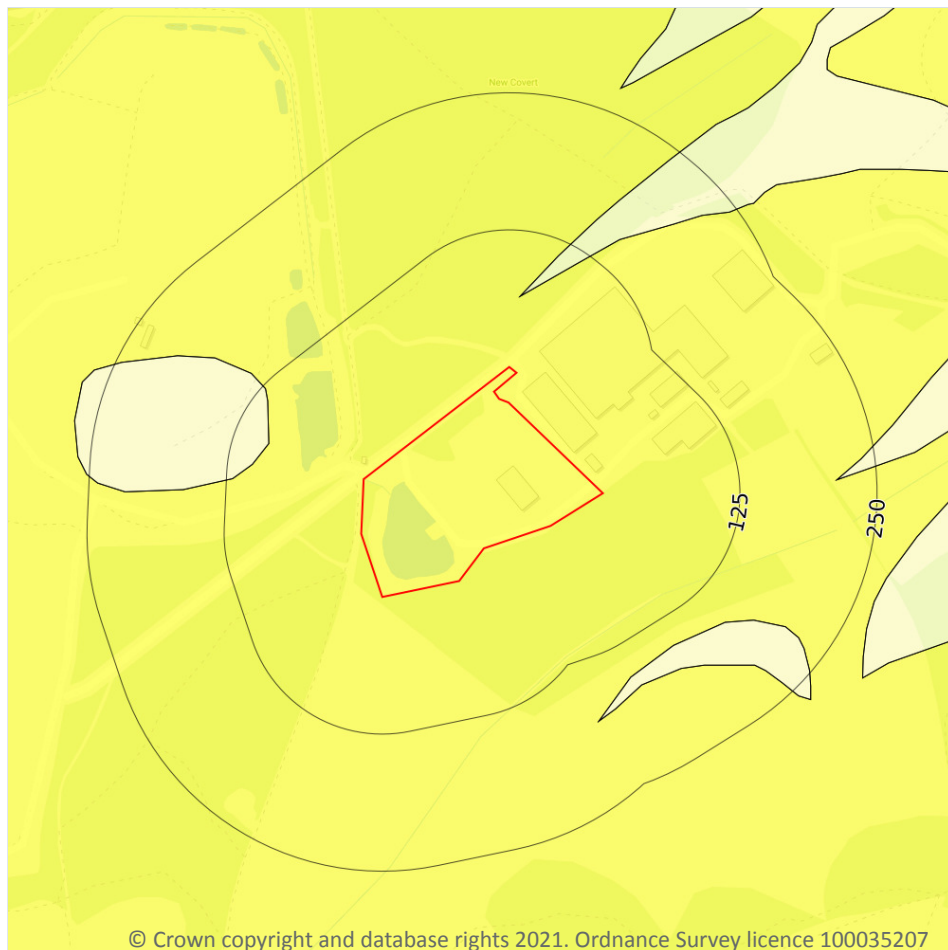
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 105**

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
42m NW	Moderate	Ground conditions predominantly high plasticity.

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



## Natural ground subsidence - Running sands



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 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.

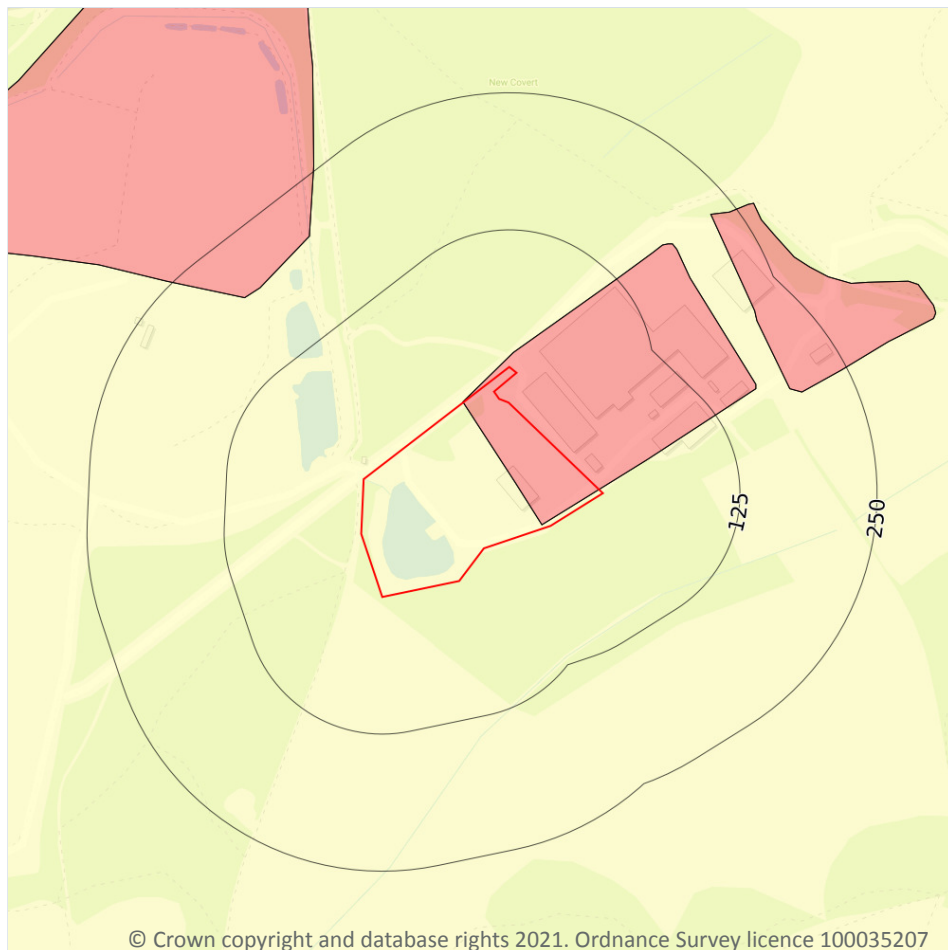
Features are displayed on the Natural ground subsidence - Running sands map on **page 106**

Location	Hazard rating	Details
On site	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

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



## Natural ground subsidence - Compressible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.3 Compressible deposits

#### Records within 50m

2

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.

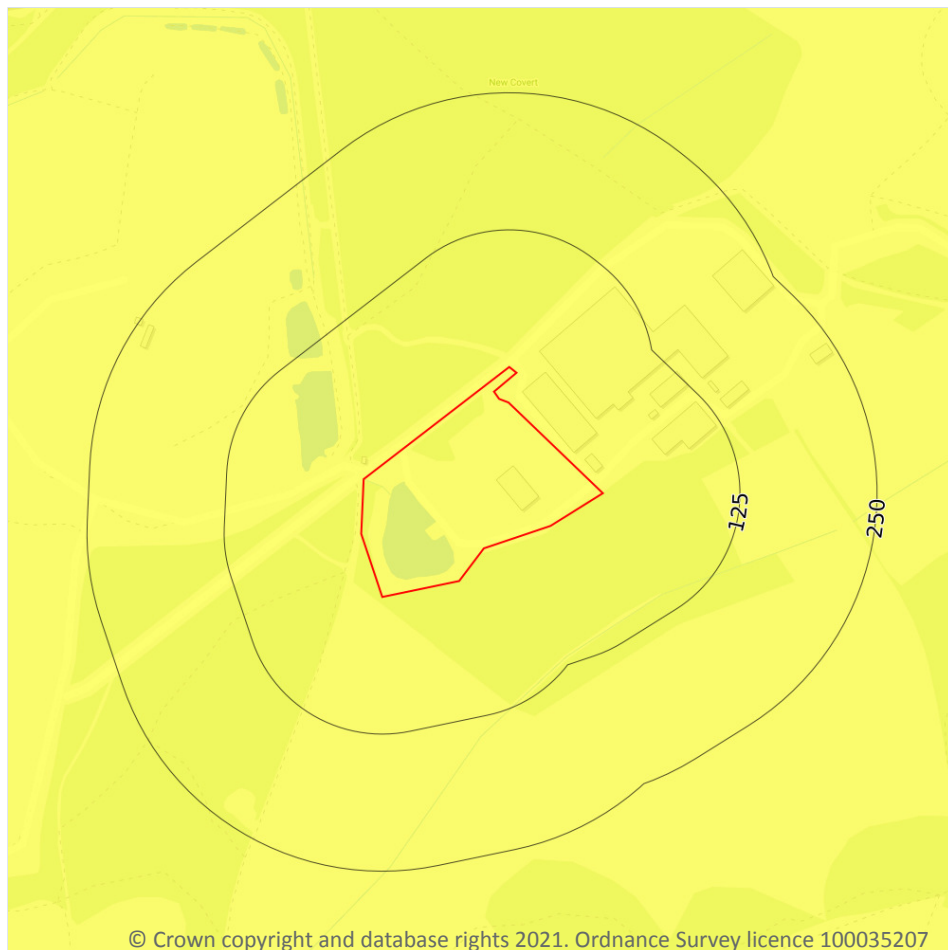
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 107**

Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.

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



## Natural ground subsidence - Collapsible deposits



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☒ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 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.

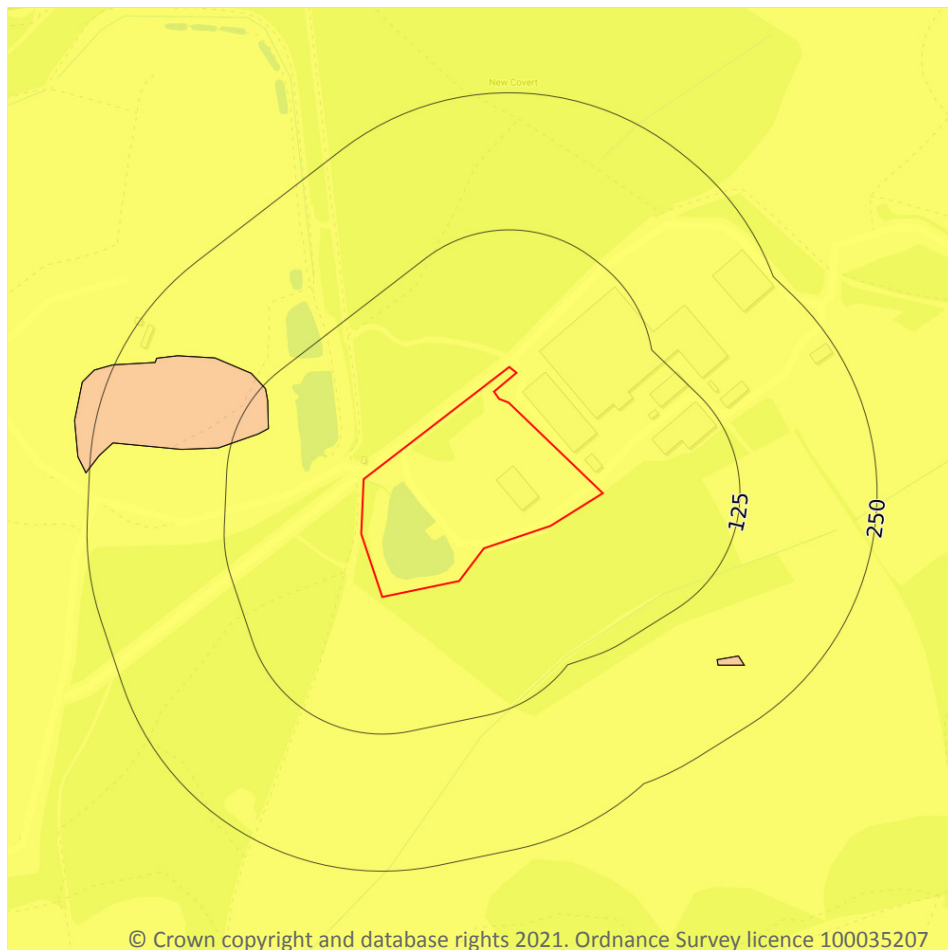
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 109**

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



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 17.5 Landslides

#### Records within 50m

1

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 110**

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.

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



## Natural ground subsidence - Ground dissolution of soluble rocks



- Site Outline
- Search buffers in metres (m)
- ☐ No data
  - ☐ Negligible
  - ☐ Very low
  - ☐ Low
  - ☐ Moderate
  - ☐ High

### 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.

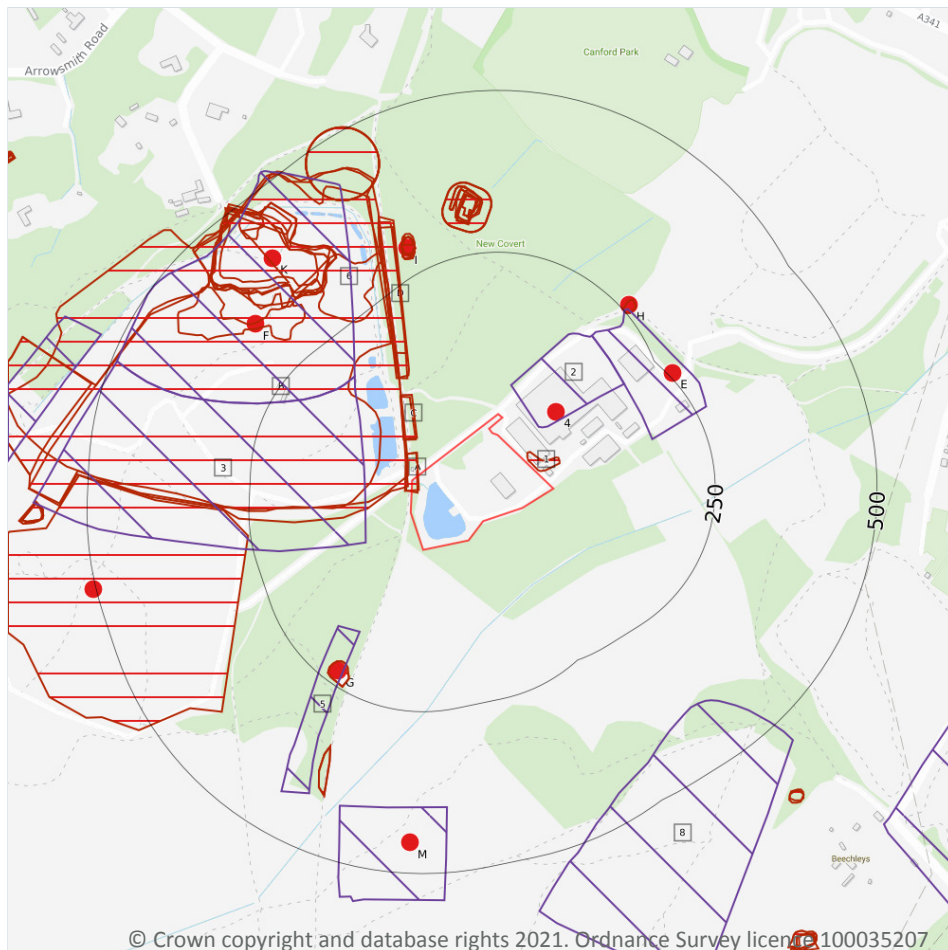
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 111**

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

9

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 113**

ID	Location	Details	Description
4	83m E	Name: Stoats Hill Gravel Pits Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel 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
G	227m SW	Name: Canford Heath Sand Pit Address: Canford, POOLE, Dorset Commodity: Sand & Gravel 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
G	227m SW	Name: Canford Heath Sand Pit Address: Canford, POOLE, Dorset Commodity: Sand & Gravel 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
E	257m NE	Name: Stoats Hill Gravel Pits Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel 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
H	261m NE	Name: New Covert Address: Merley, POOLE, Dorset Commodity: Sand & Gravel 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



ID	Location	Details	Description
I	292m NW	Name: Brake Hill Address: Merley, POOLE, Dorset Commodity: Sand & Gravel 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
F	342m NW	Name: Budden Gravel Pit Address: Canford Heath, POOLE, Dorset Commodity: Sand & Gravel 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
K	403m NW	Name: Budden Pit Address: Merley, POOLE, Dorset Commodity: Sand & Gravel 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
M	452m S	Name: Canford Heath Sand Pit Address: POOLE, Dorset Commodity: Sand & Gravel 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

15

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 113**

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Cuttings	1940	1:10560
A	On site	Cuttings	1934	1:10560
1	4m NE	Unspecified Disused Pit	1982	1:10000



ID	Location	Land Use	Year of mapping	Mapping scale
B	6m W	Sand and Gravel Pit	1982	1:10000
B	10m NW	Sand and Gravel Pit	1988	1:10000
C	47m NW	Cuttings	1940	1:10560
C	47m NW	Cuttings	1934	1:10560
B	58m W	Sand and Gravel Pit	1973	1:10000
D	129m NW	Cuttings	1940	1:10560
D	132m NW	Cuttings	1934	1:10560
D	161m NW	Cuttings	1973	1:10000
G	213m SW	Sand Pit	1973	1:10000
G	213m SW	Sand Pit	1963	1:10560
6	243m NW	Old Gravel Pit	1963	1:10560
H	249m NE	Gravel Pit	1887	1:10560

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

## 18.4 Underground workings

**Records within 1000m**

**0**

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

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

## 18.5 Historical Mineral Planning Areas

**Records within 500m**

**7**

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.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
2	39m NE	Stoats Hill	Sand and gravel	Surface mineral working	Valid	Not available



ID	Location	Site Name	Mineral	Type	Planning Status	Planning Status Date
3	70m W	Withy Bed	Sand and gravel	Surface mineral working	Valid	27/3/1956
5	160m SW	Canford Heath Sand Pits	Sand and gravel	Surface mineral working	Valid	1/2/1949
E	171m NE	Stoats Hill	Sand and gravel	Surface mineral working	Valid	27/5/1956
F	181m NW	Withy Bed	Sand and gravel	Surface mineral working	Valid	1/2/1949
M	398m S	Canford Heath Sand Pits	Sand and gravel	Surface mineral working	Valid	1/2/1949
8	399m SE	Beechleys Cottage	Sand	Surface mineral working	Valid	Not available

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

## 18.6 Non-coal mining

**Records within 1000m**

**0**

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).

*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	0
-----------------	---

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

*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
-----------------	---

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.13 Clay mining

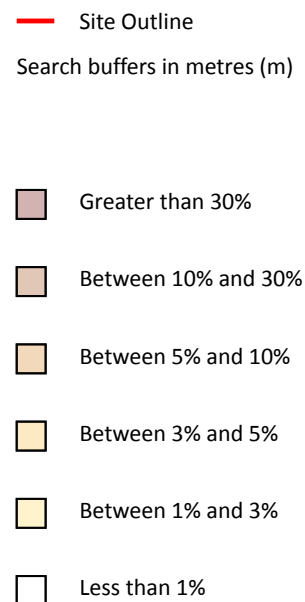
Records on site
0

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

1

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 120**

Location	Estimated properties affected	Radon Protection Measures required
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

9

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 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 mg/kg
9m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
28m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
42m N	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
49m NE	15 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

0

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.

*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.*



## 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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#### Site Details:

CANFORD RECYCLING CENTRE,  
ARENA WAY, POOLE, BH21  
3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1889

**Scale:** 1:2,500

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



Surveyed 1889  
Revised 1889  
Edition N/A  
Copyright N/A  
Levelled N/A

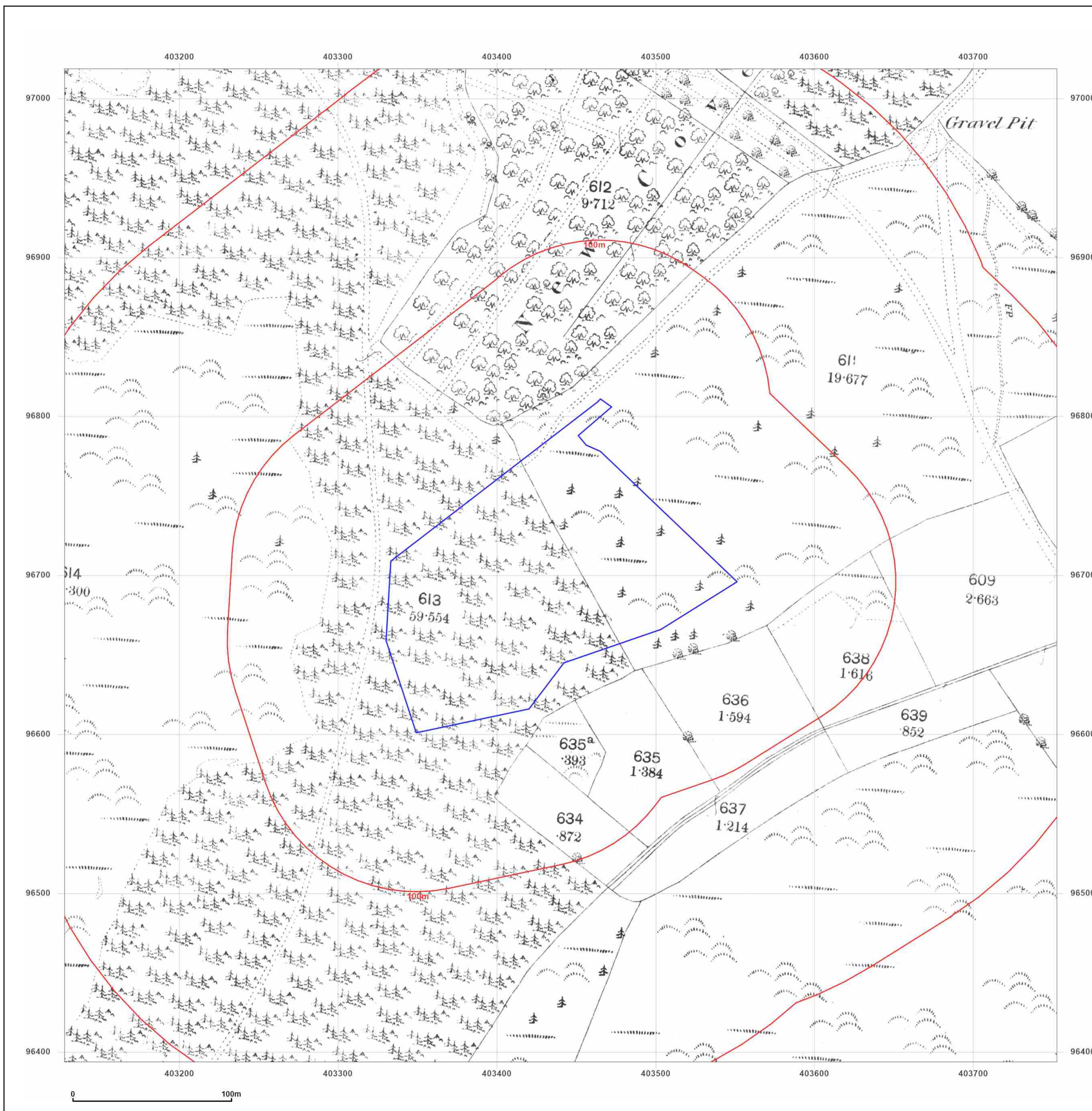


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Production date: 01 December 2021

Map legend available at:  
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**Printed at:** 1:2,500



Surveyed 1901  
Revised 1901  
Edition N/A  
Copyright N/A  
Levelled N/A

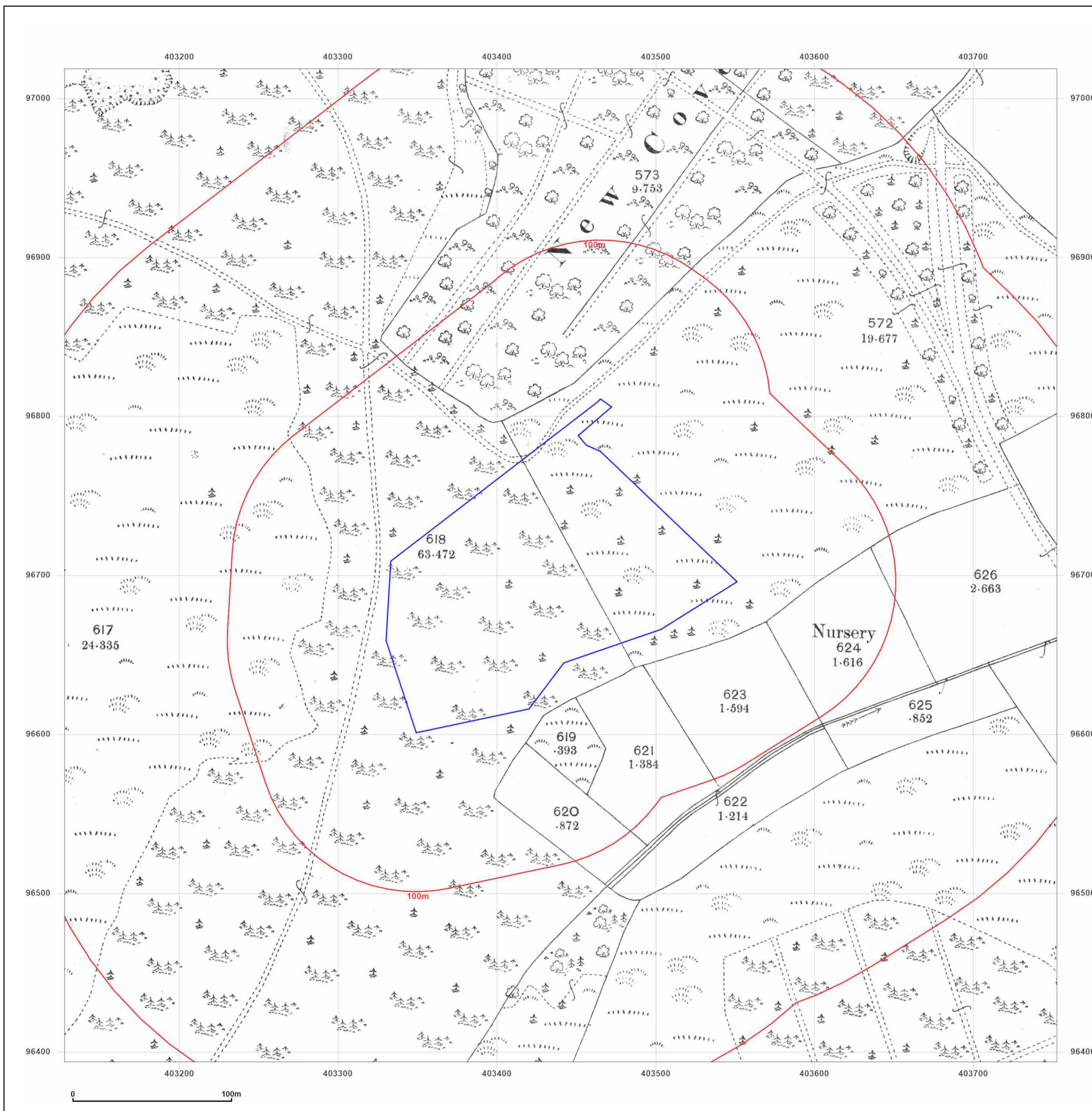


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Production date: 01 December 2021

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#### Site Details:

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ARENA WAY, POOLE, BH21  
3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1928

**Scale:** 1:2,500

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



Surveyed 1928  
Revised 1928  
Edition N/A  
Copyright N/A  
Levelled N/A

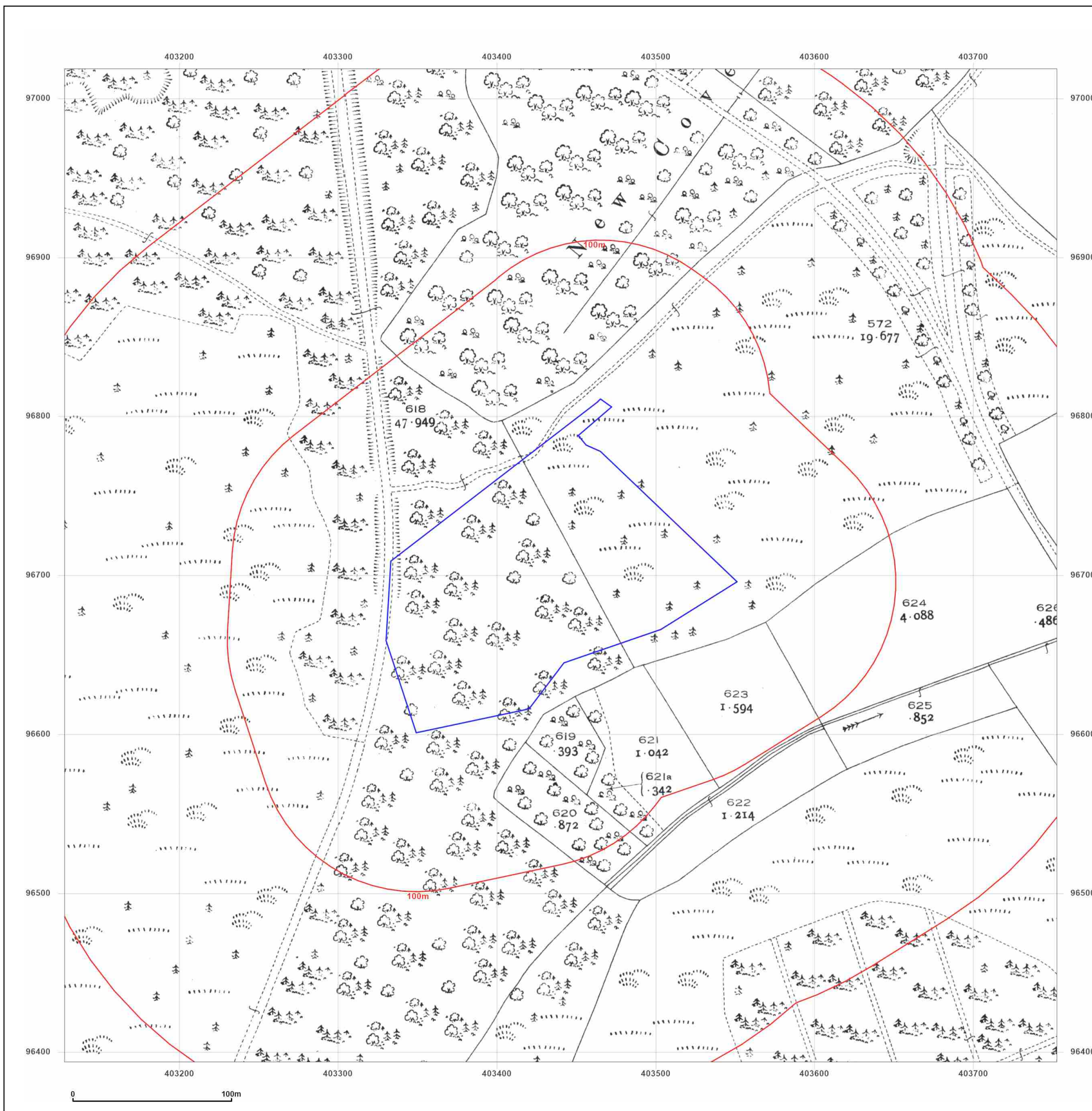


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ARENA WAY, POOLE, BH21  
3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1933

**Scale:** 1:2,500

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



Surveyed 1933  
Revised 1933  
Edition N/A  
Copyright N/A  
Levelled N/A

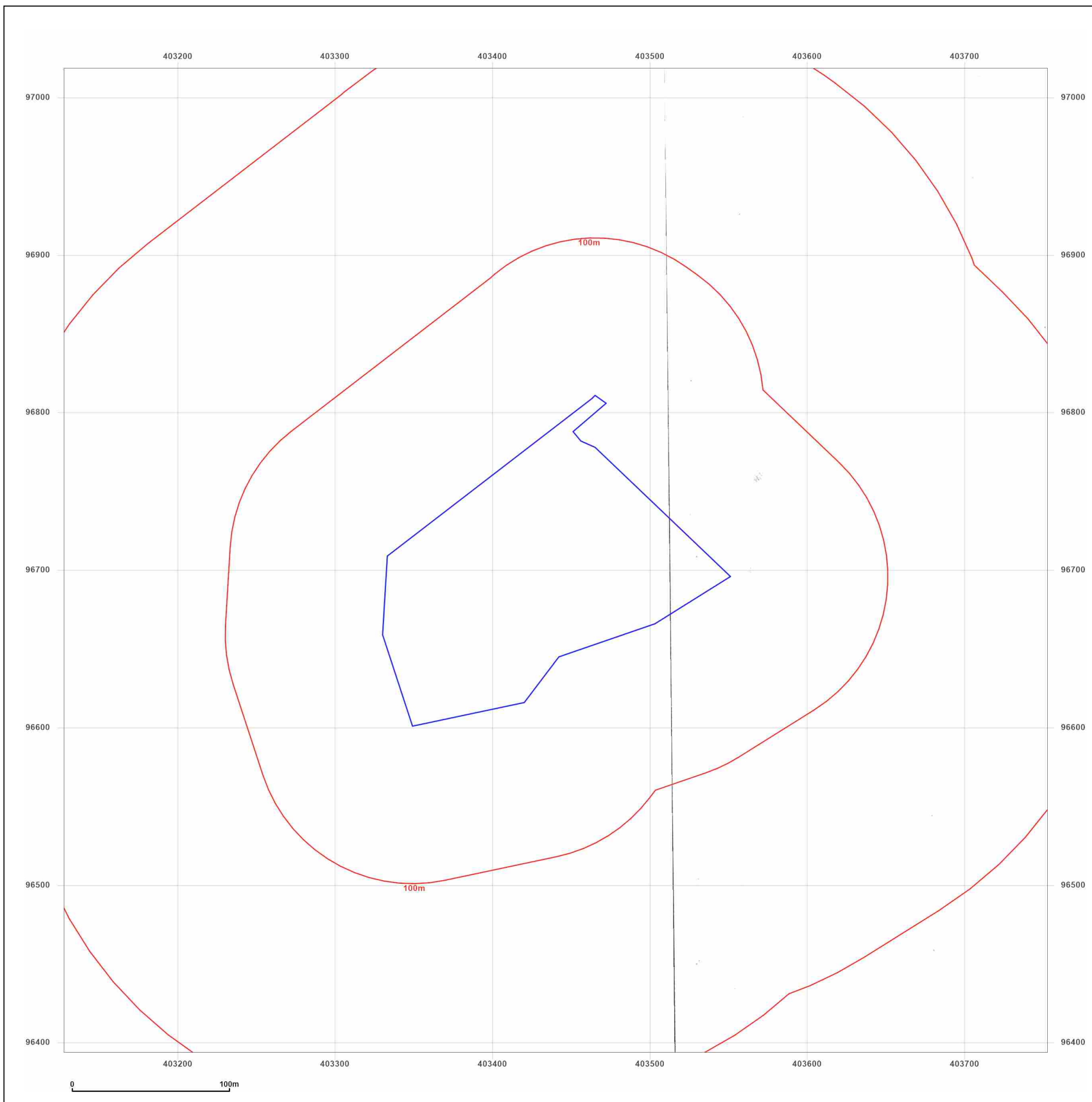


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3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1934

**Scale:** 1:2,500

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



Surveyed 1934  
Revised 1934  
Edition N/A  
Copyright N/A  
Levelled N/A

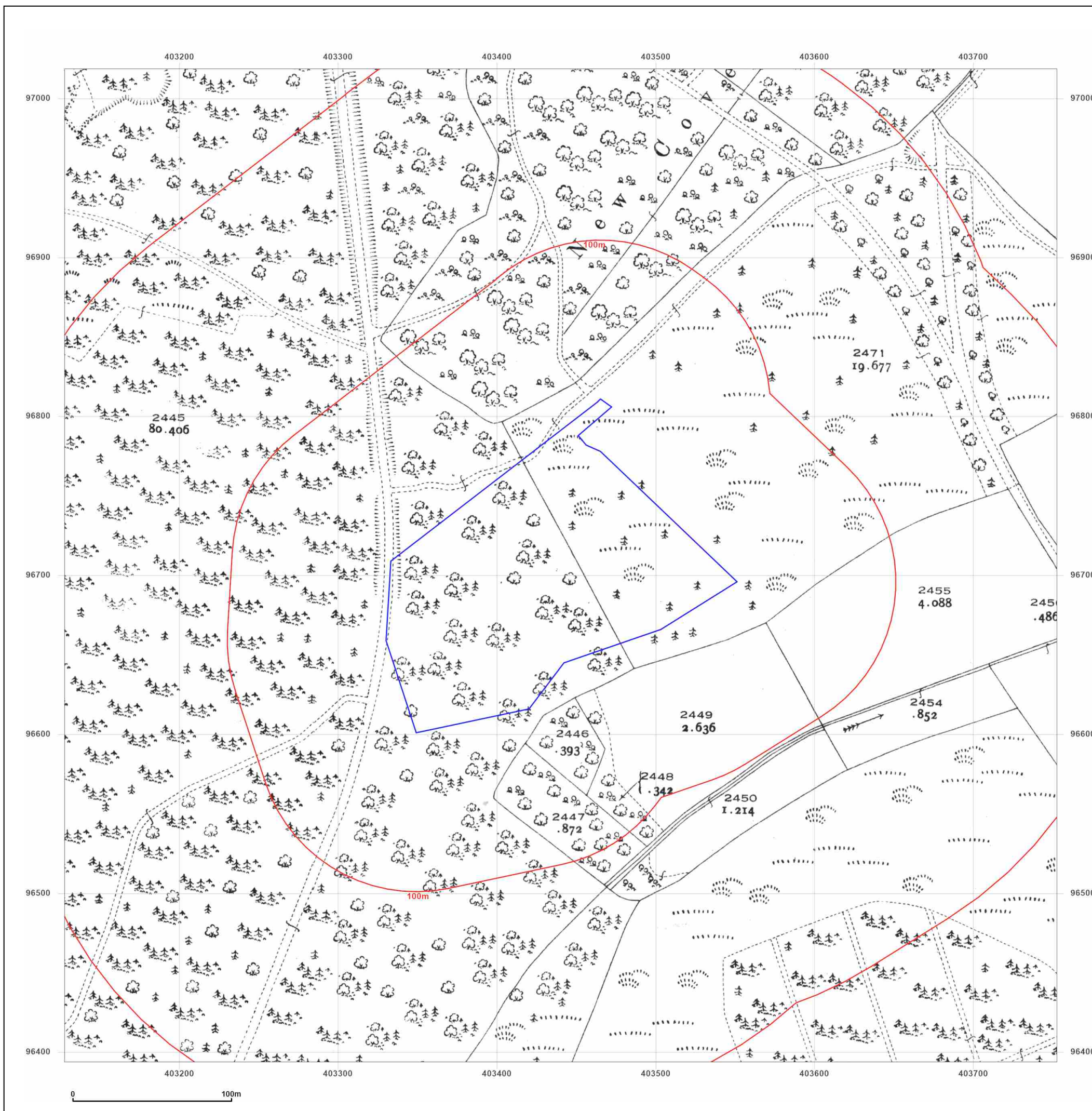


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3BW

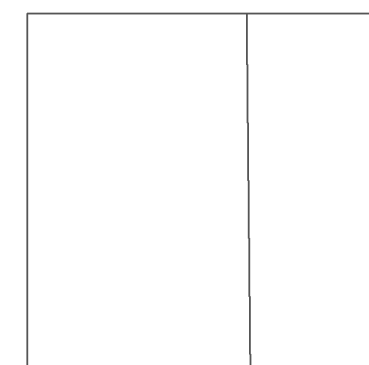
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**Map Name:** County Series

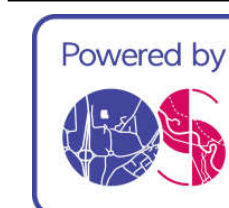
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**Scale:** 1:2,500

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



Surveyed 1940  
Revised 1940  
Edition N/A  
Copyright N/A  
Levelled N/A

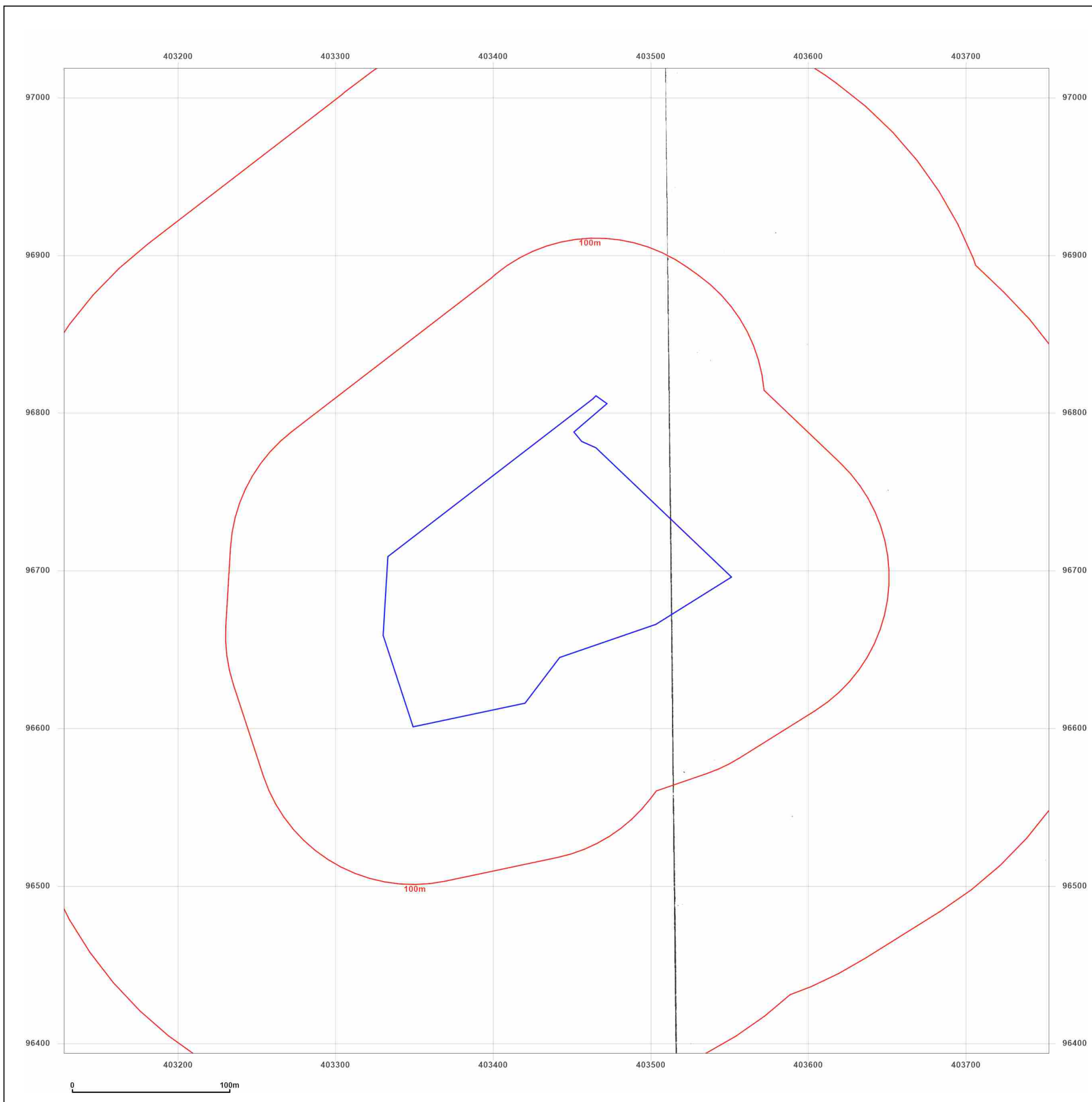


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3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1954

**Scale:** 1:2,500

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



Surveyed 1954  
Revised 1954  
Edition N/A  
Copyright N/A  
Levelled 1944

Surveyed 1954  
Revised 1954  
Edition N/A  
Copyright N/A  
Levelled 1944

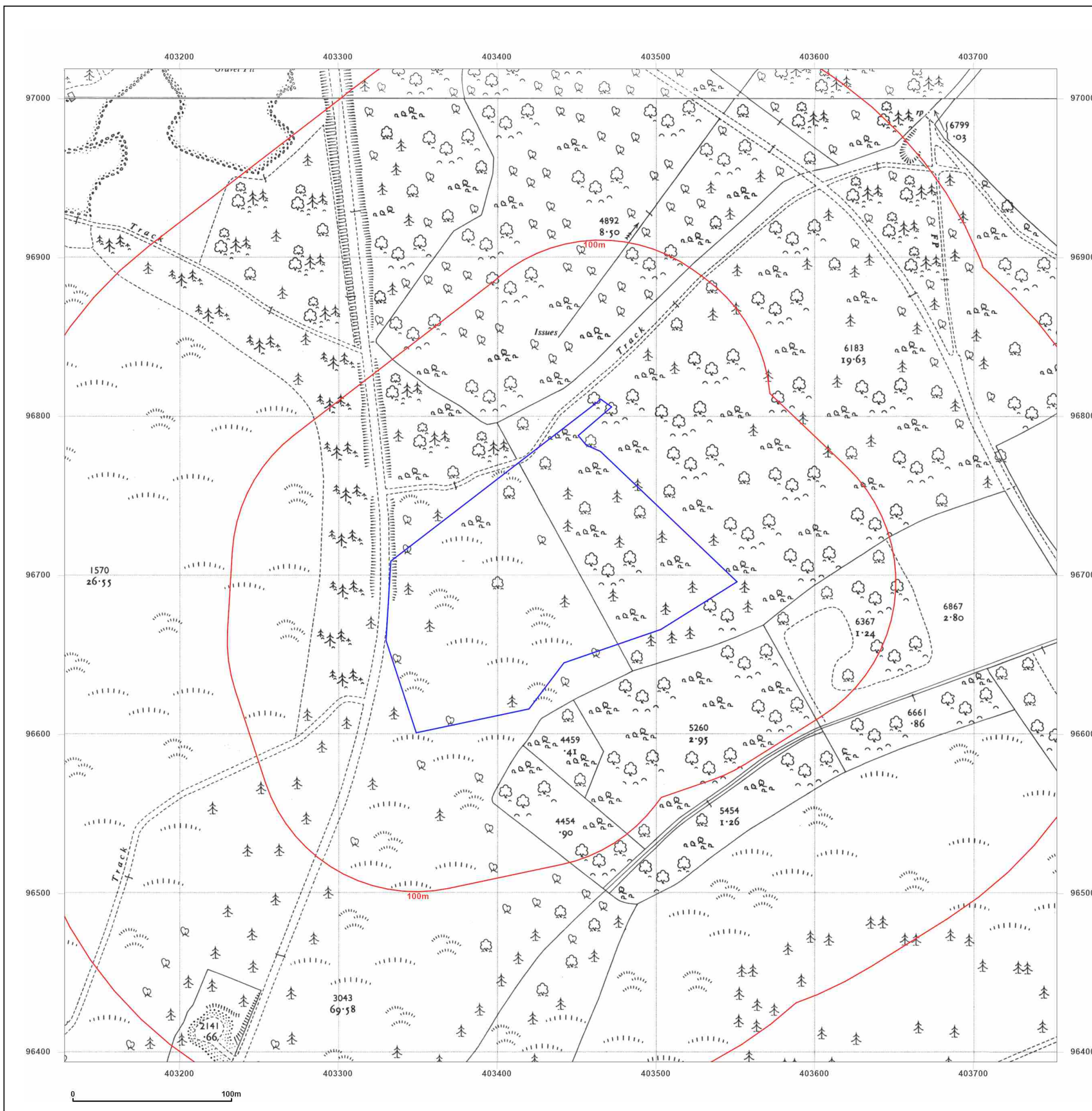


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**Client Ref:** EX-21-001  
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**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1954-1955

**Scale:** 1:2,500

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



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

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

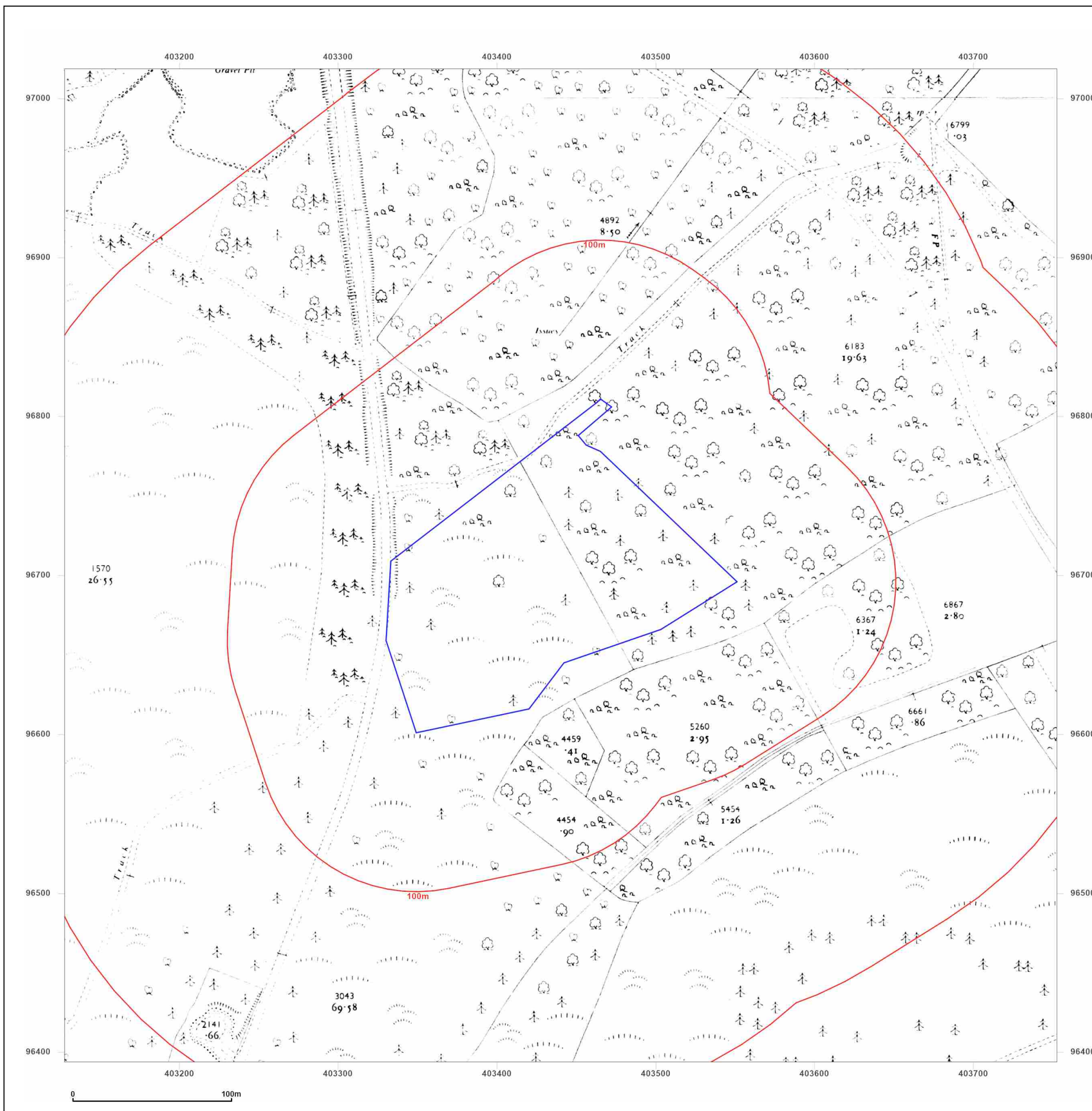


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3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1988-1989

**Scale:** 1:2,500

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



Surveyed 1944  
Revised 1989  
Edition N/A  
Copyright 1989  
Levelled 1944

Surveyed 1988  
Revised 1988  
Edition N/A  
Copyright 1988  
Levelled N/A

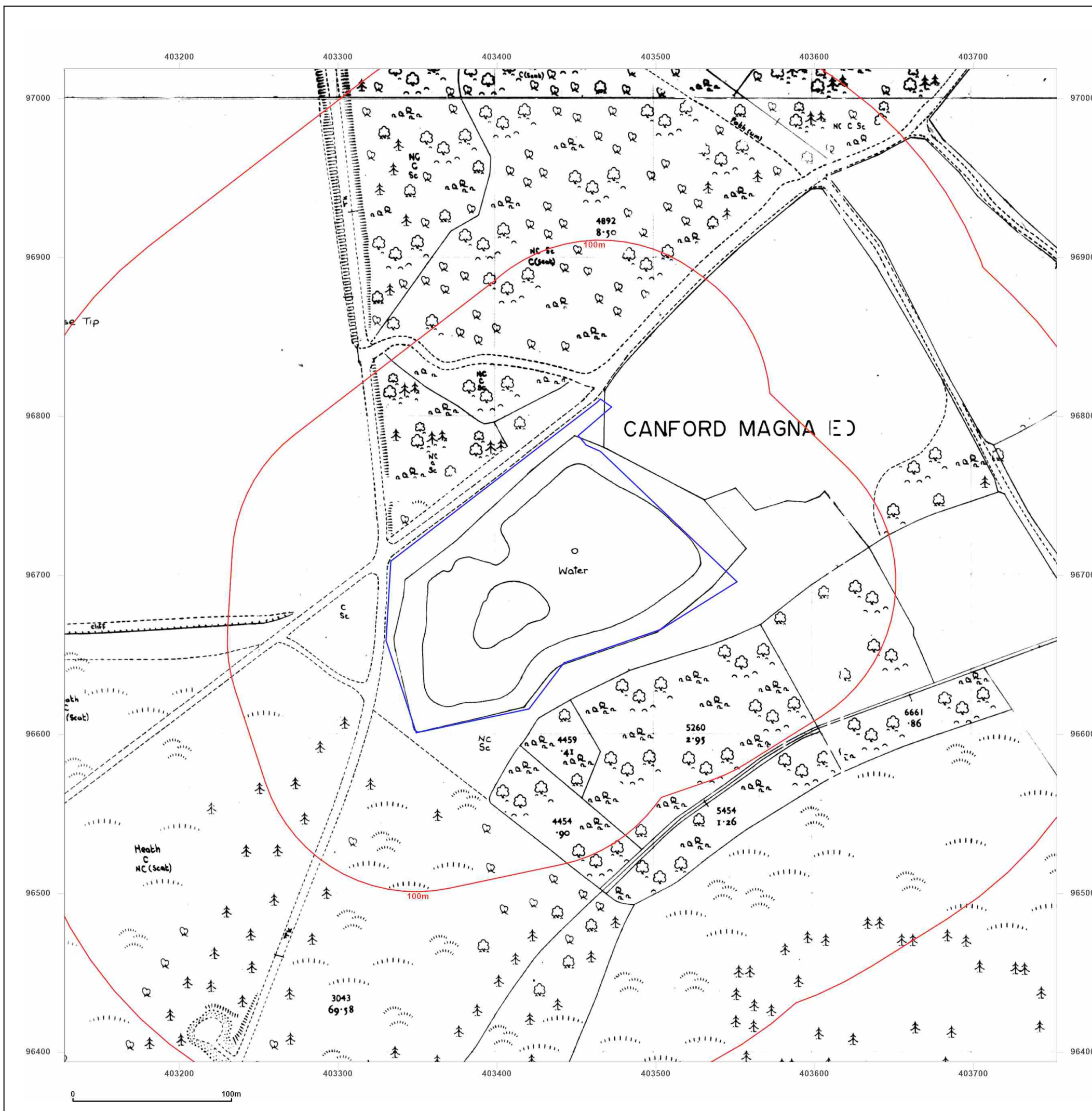


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1988-1989

**Scale:** 1:2,500

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



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

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

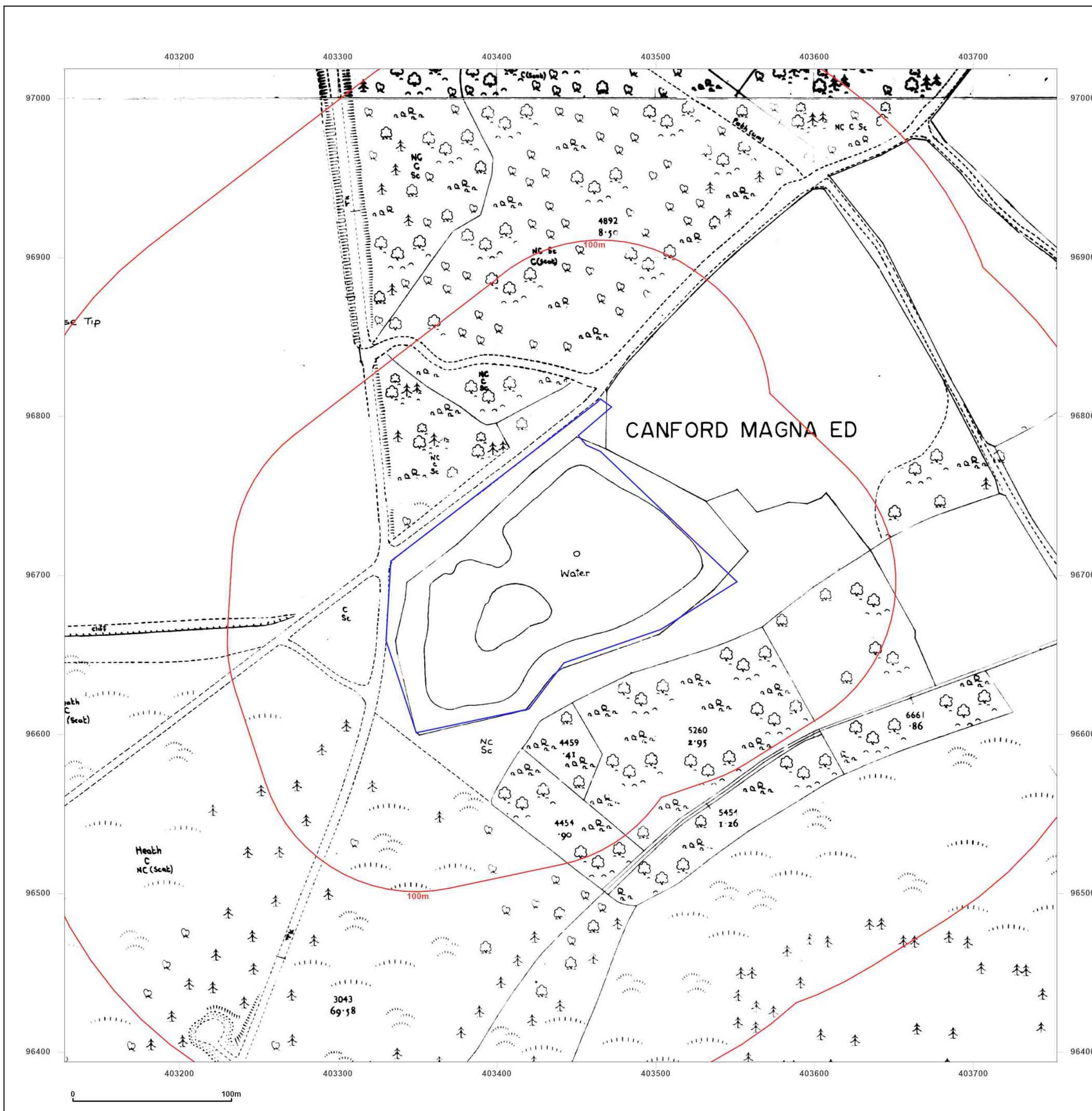


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1993

**Scale:** 1:2,500

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



Surveyed 1993  
Revised N/A  
Edition N/A  
Copyright 1993  
Levelled N/A

Surveyed 1993  
Revised 1993  
Edition N/A  
Copyright N/A  
Levelled N/A

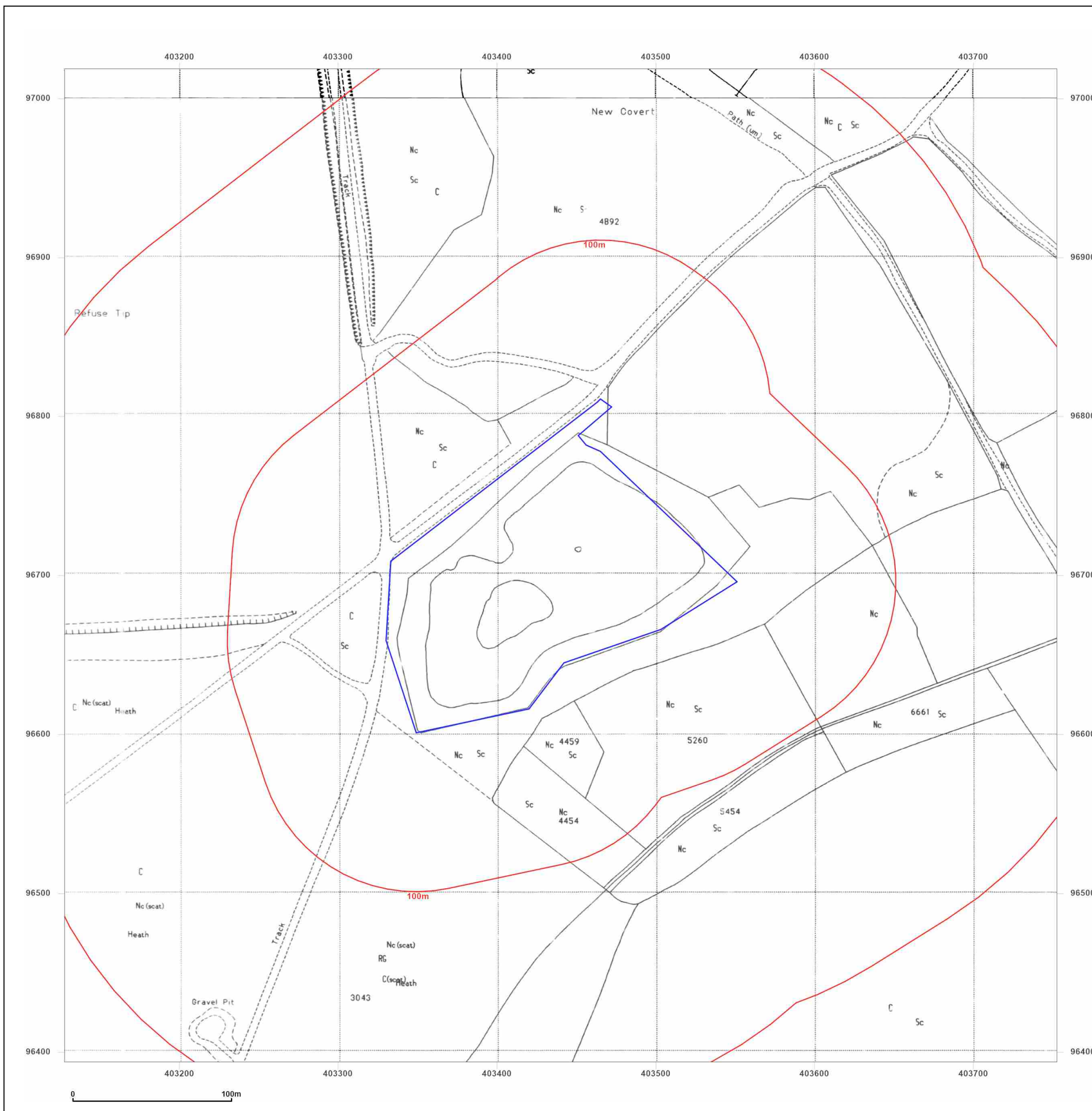


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** LandLine

**Map date:** 2003

**Scale:** 1:1,250

**Printed at:** 1:1,250



2003

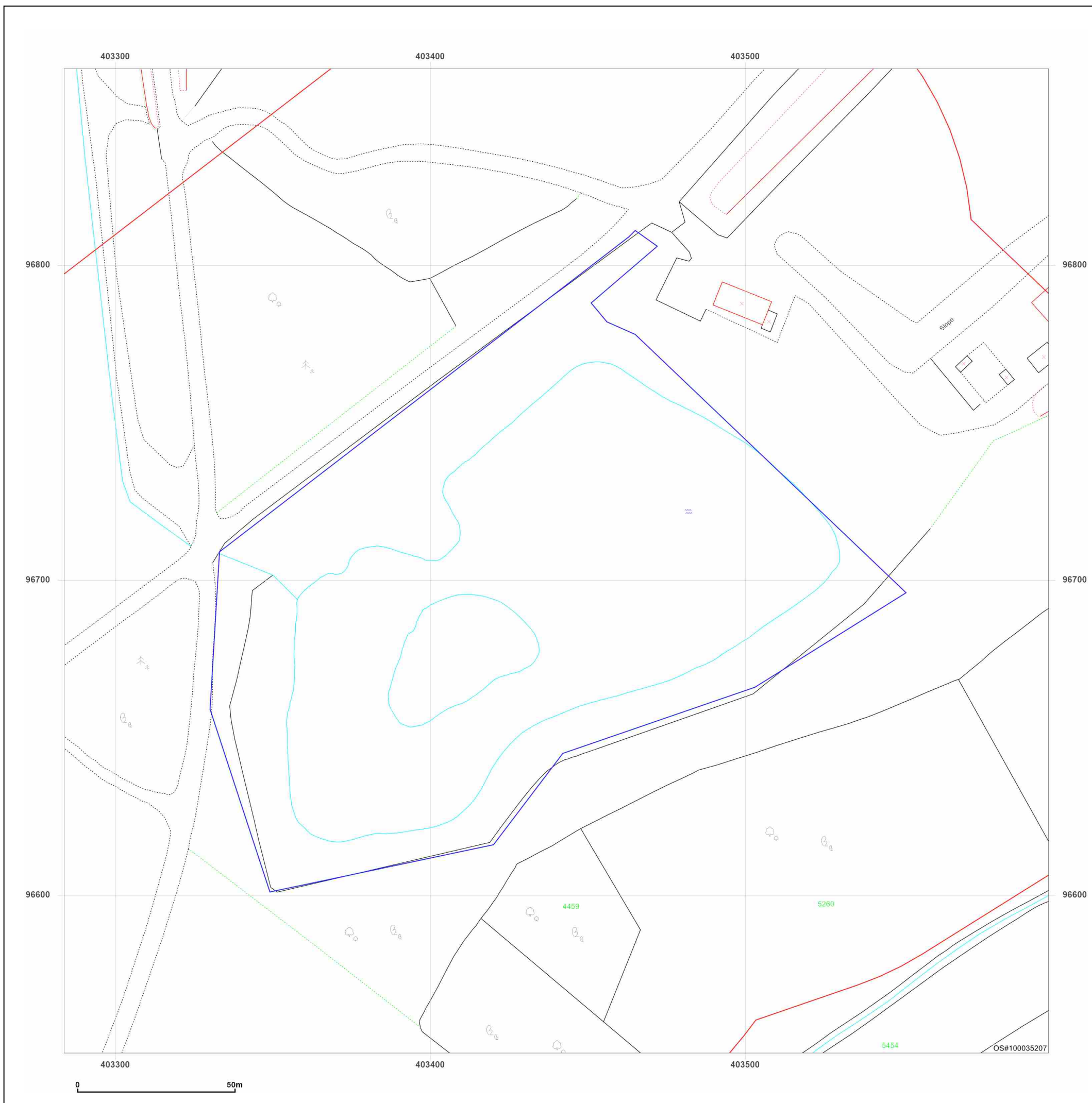


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3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1887

**Scale:** 1:10,560

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



Surveyed 1887  
Revised 1887  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1887  
Revised 1887  
Edition N/A  
Copyright N/A  
Levelled N/A

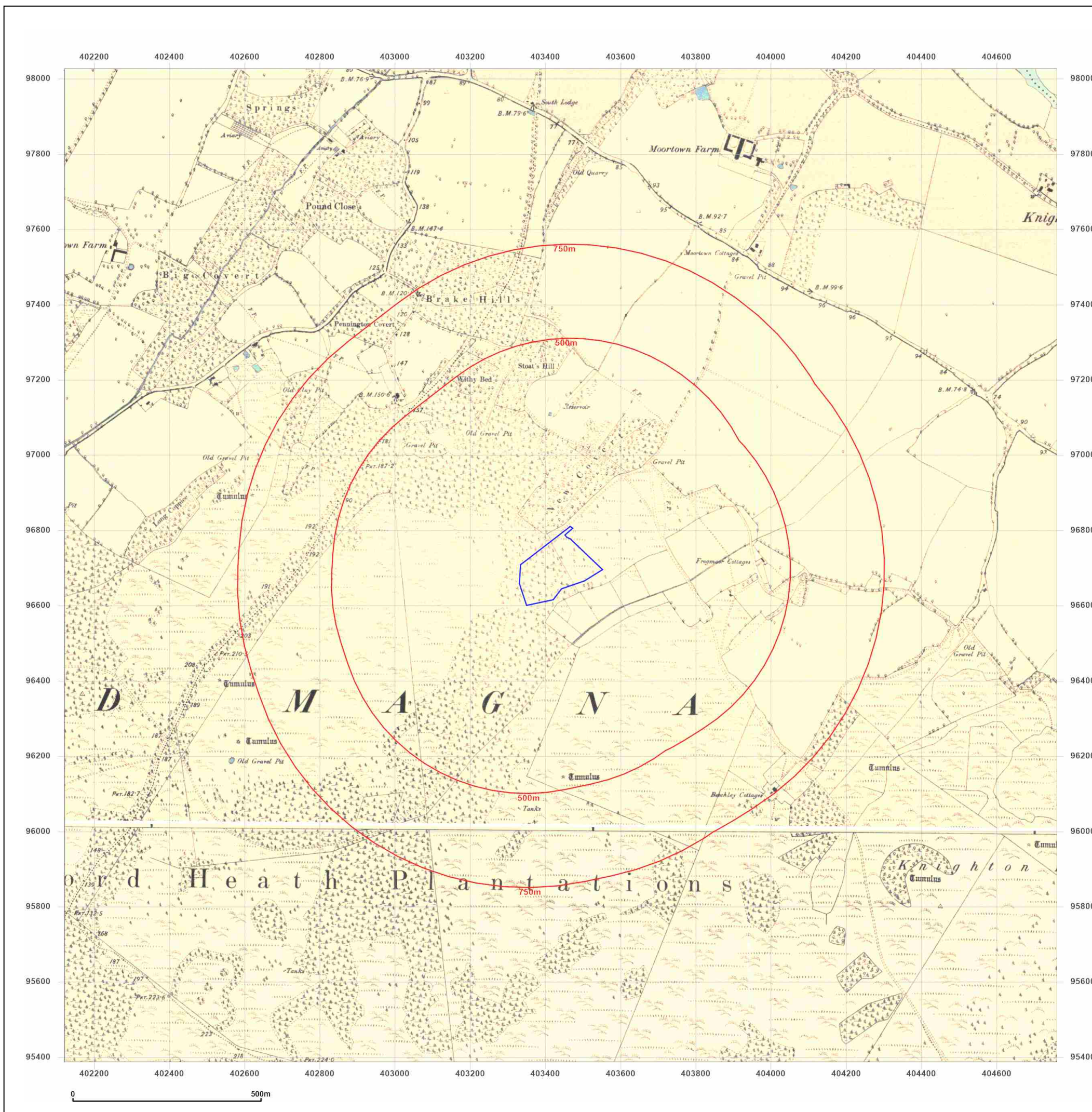


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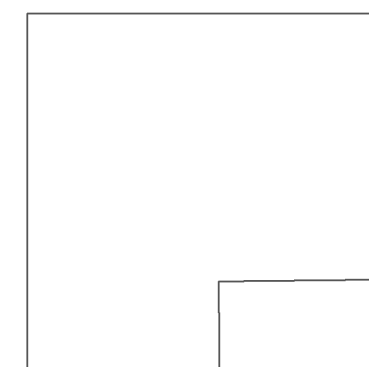
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**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1896

**Scale:** 1:10,560

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



Surveyed 1869  
Revised 1896  
Edition N/A  
Copyright N/A  
Levelled N/A

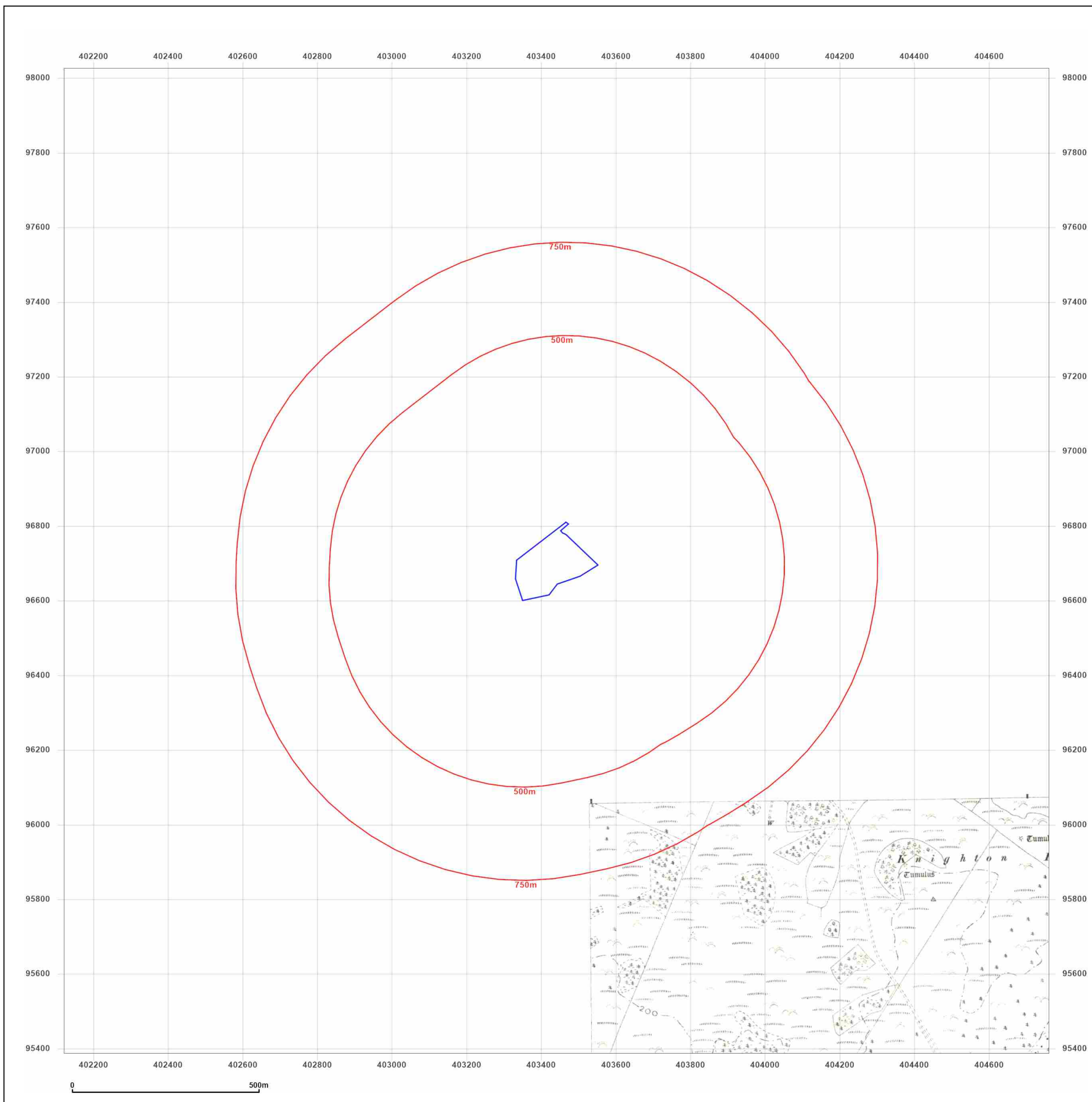


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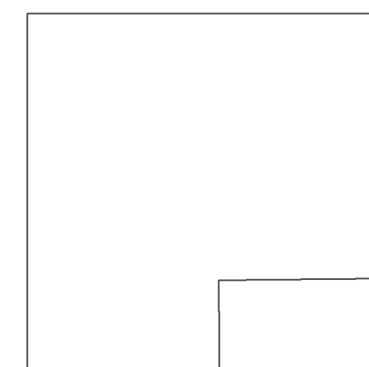
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**Map Name:** County Series

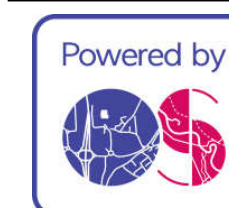
**Map date:** 1899

**Scale:** 1:10,560

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



Surveyed 1887  
Revised N/A  
Edition N/A  
Copyright N/A  
Levelled N/A

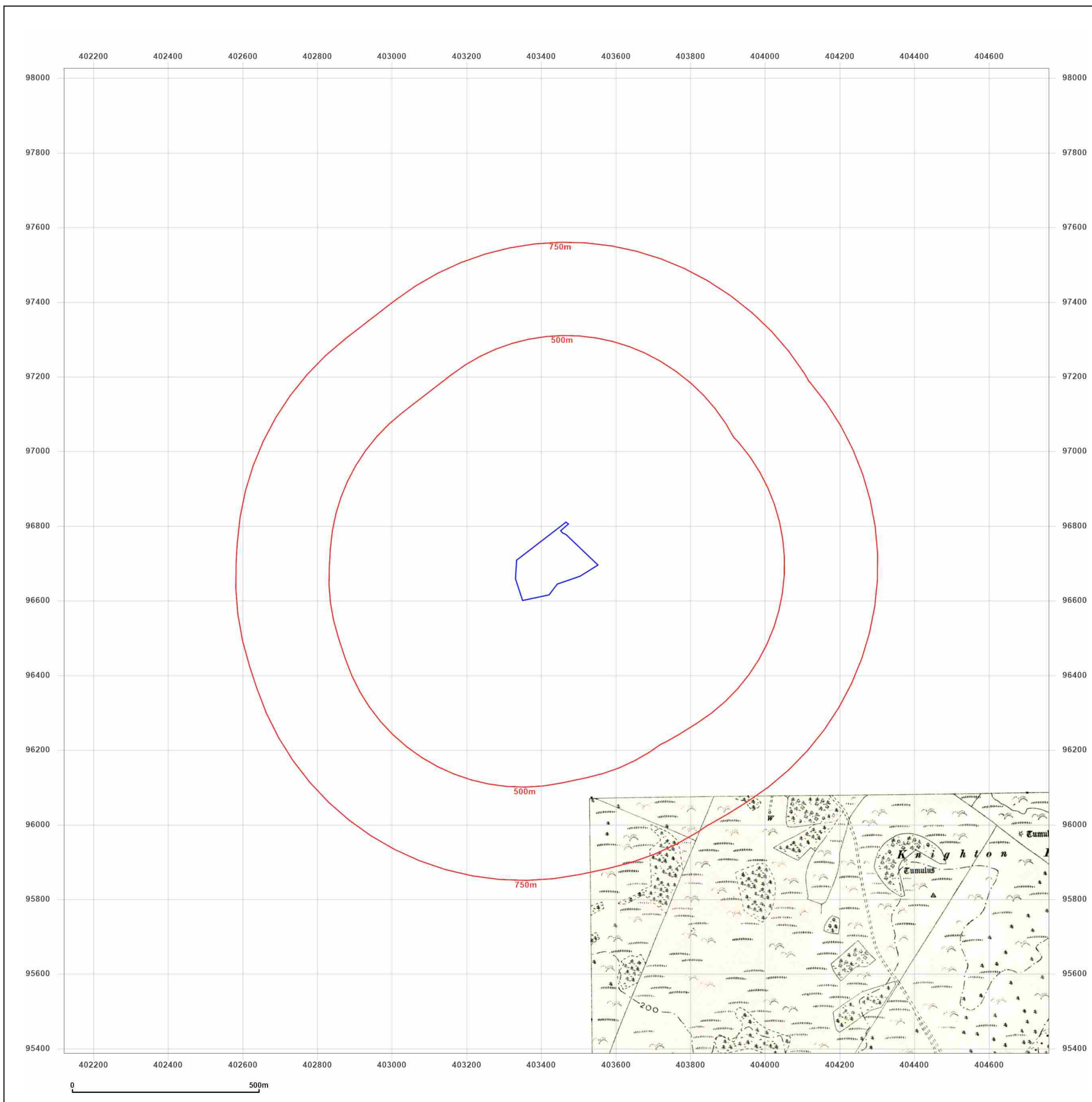


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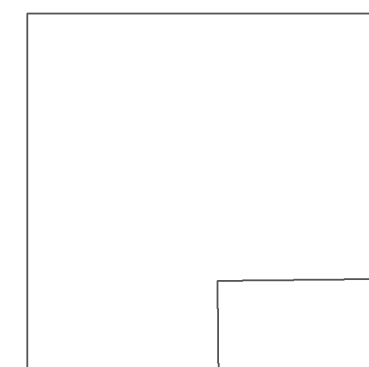
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**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1908

**Scale:** 1:10,560

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



Surveyed 1869  
Revised 1908  
Edition N/A  
Copyright N/A  
Levelled N/A

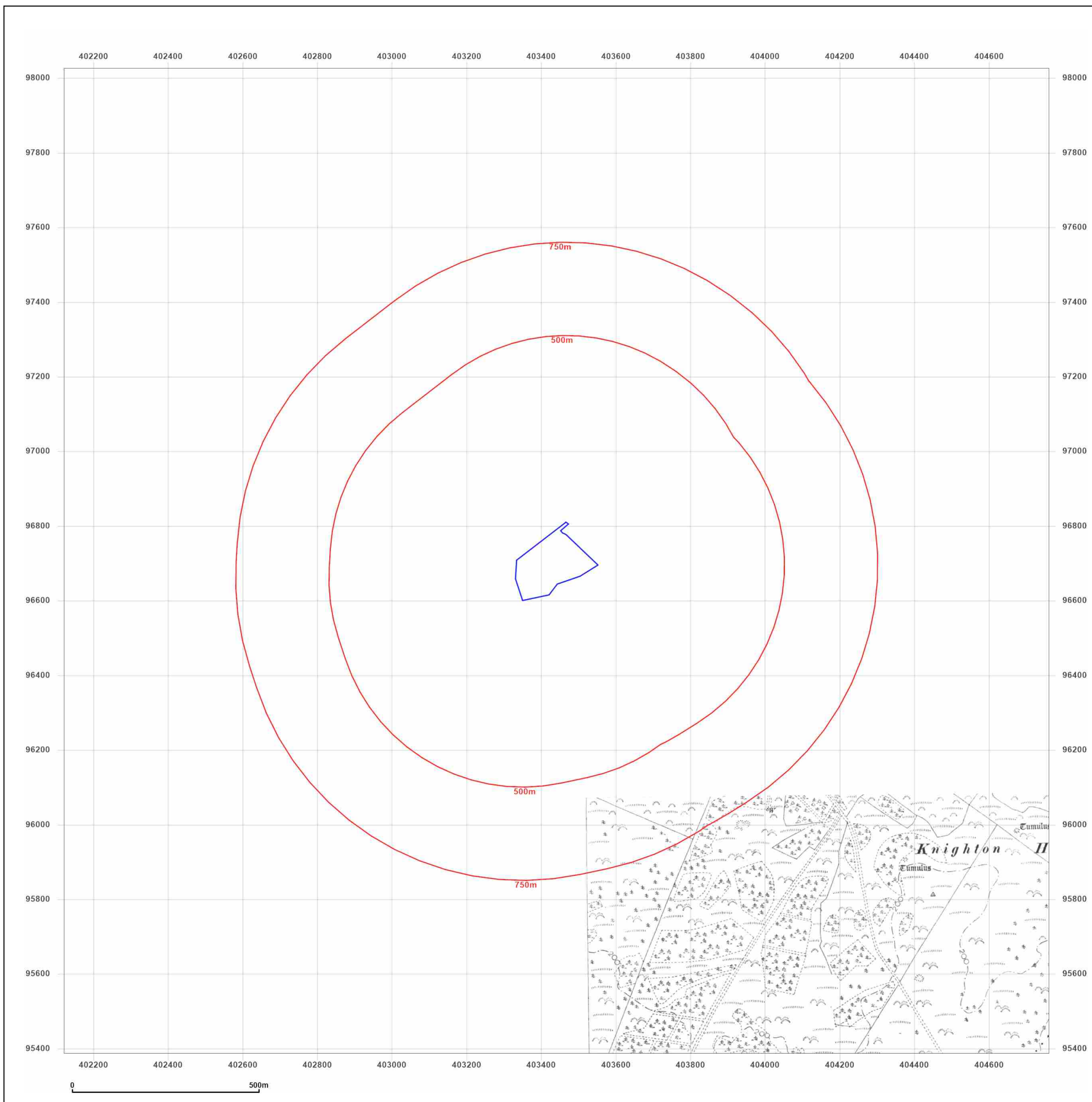


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3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1923-1926

**Scale:** 1:10,560

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



Surveyed 1886  
Revised 1926  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1869  
Revised 1923  
Edition N/A  
Copyright N/A  
Levelled N/A

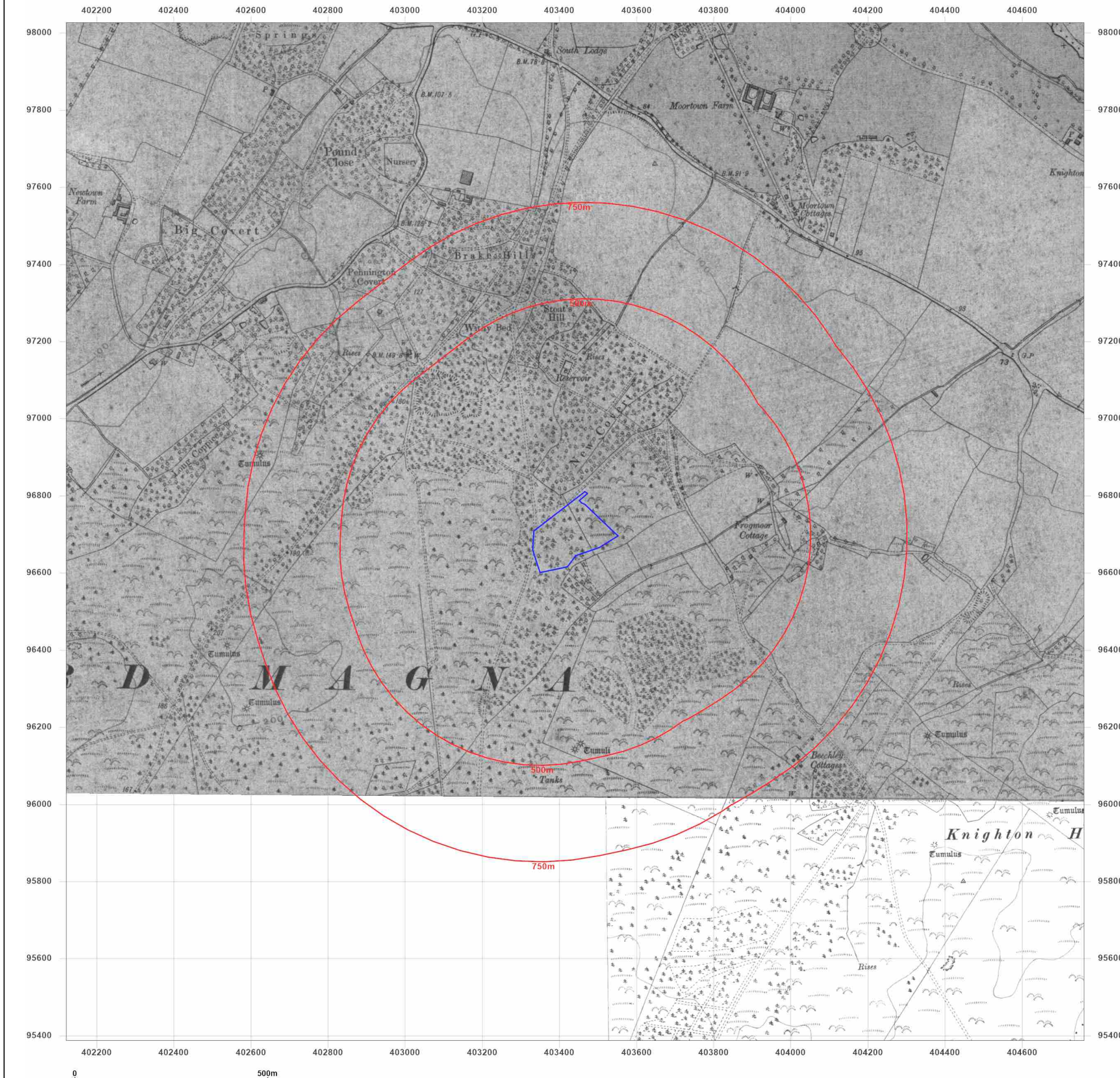


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**Client Ref:** EX-21-001  
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**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1923-1926

**Scale:** 1:10,560

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



Surveyed 1886  
Revised 1926  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1886  
Revised 1923  
Edition N/A  
Copyright N/A  
Levelled N/A

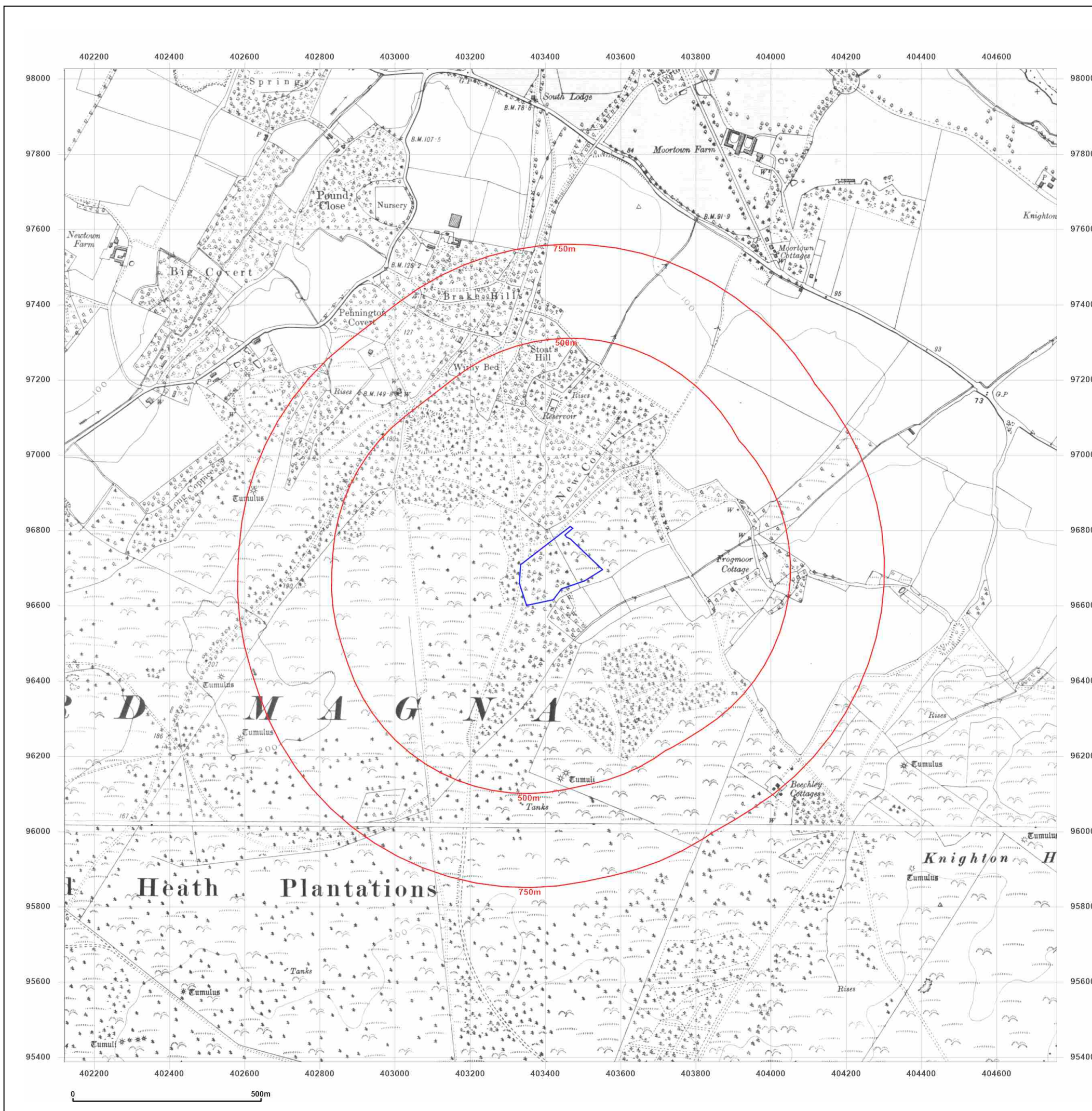


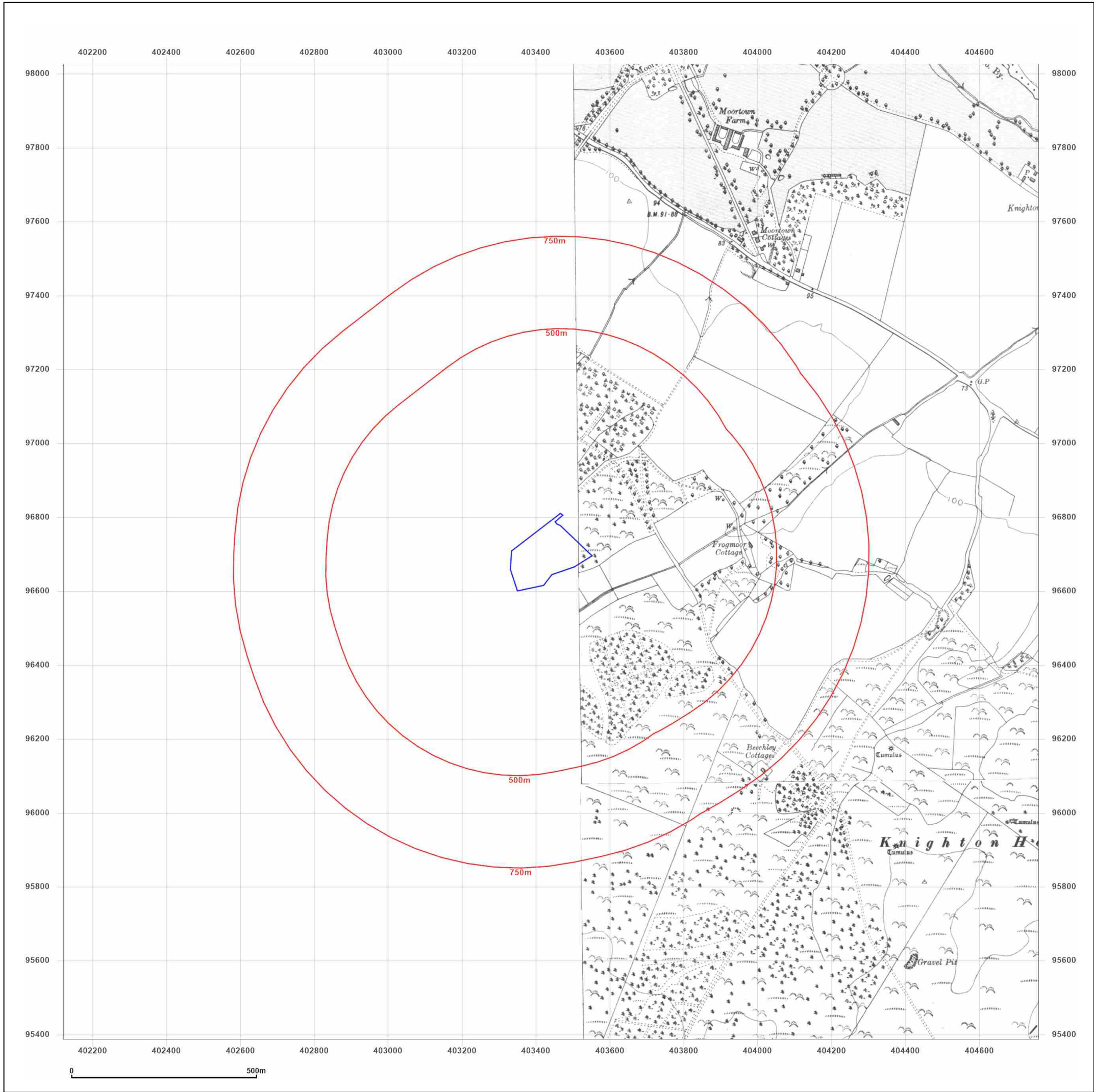
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3BW

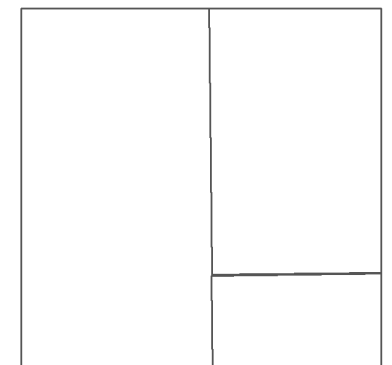
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Report Ref: GS-8371842  
Grid Ref: 403440, 96706

Map Name: County Series

Map date: 1932

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1886  
Revised 1932  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1869  
Revised 1932  
Edition N/A  
Copyright N/A  
Levelled N/A



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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1932-1934

**Scale:** 1:10,560

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



Surveyed 1886  
Revised 1934  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1887  
Revised 1932  
Edition N/A  
Copyright N/A  
Levelled N/A

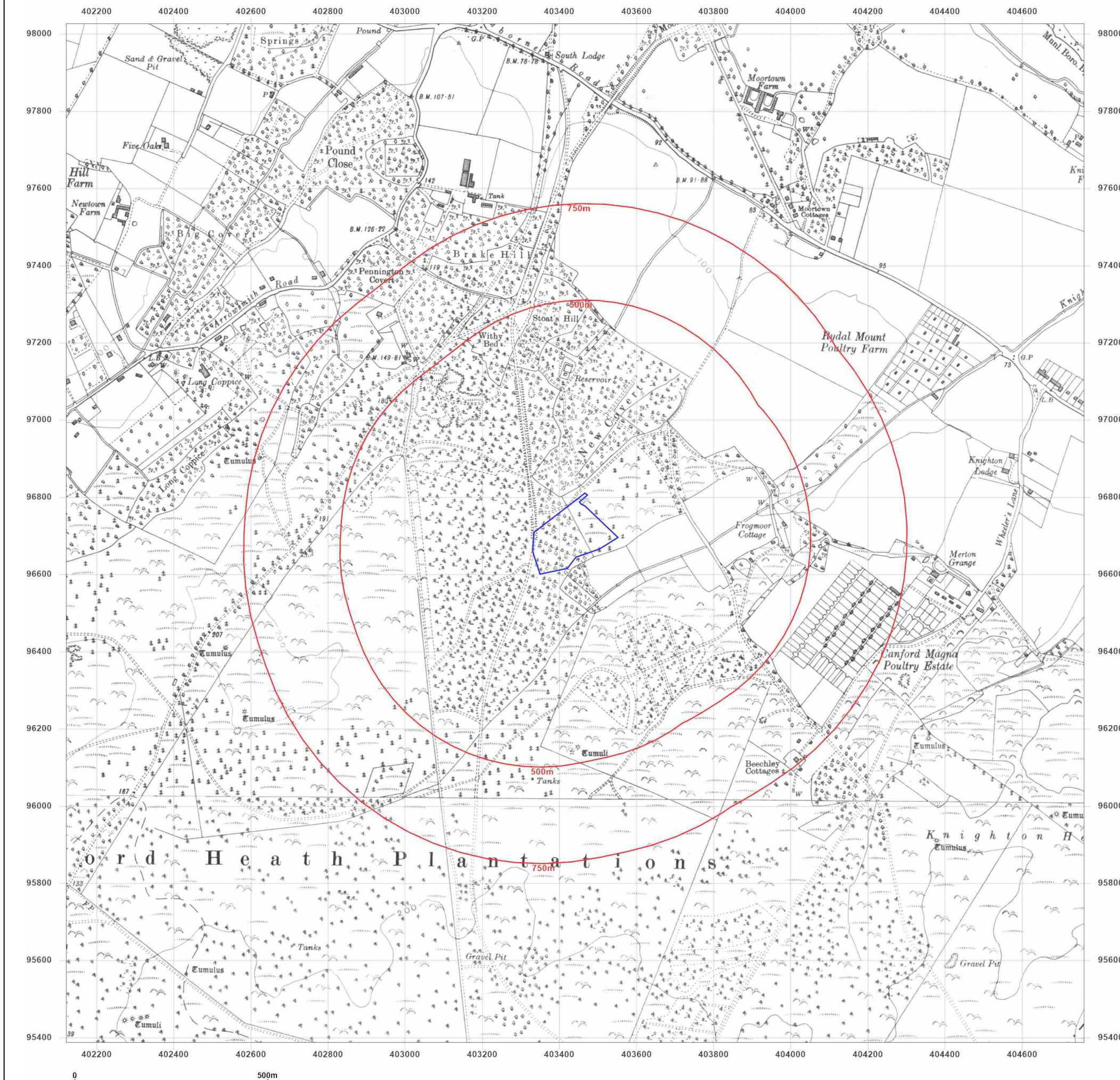


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3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1938

**Scale:** 1:10,560

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



Surveyed 1886  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1869  
Revised 1938  
Edition 1938  
Copyright N/A  
Levelled N/A

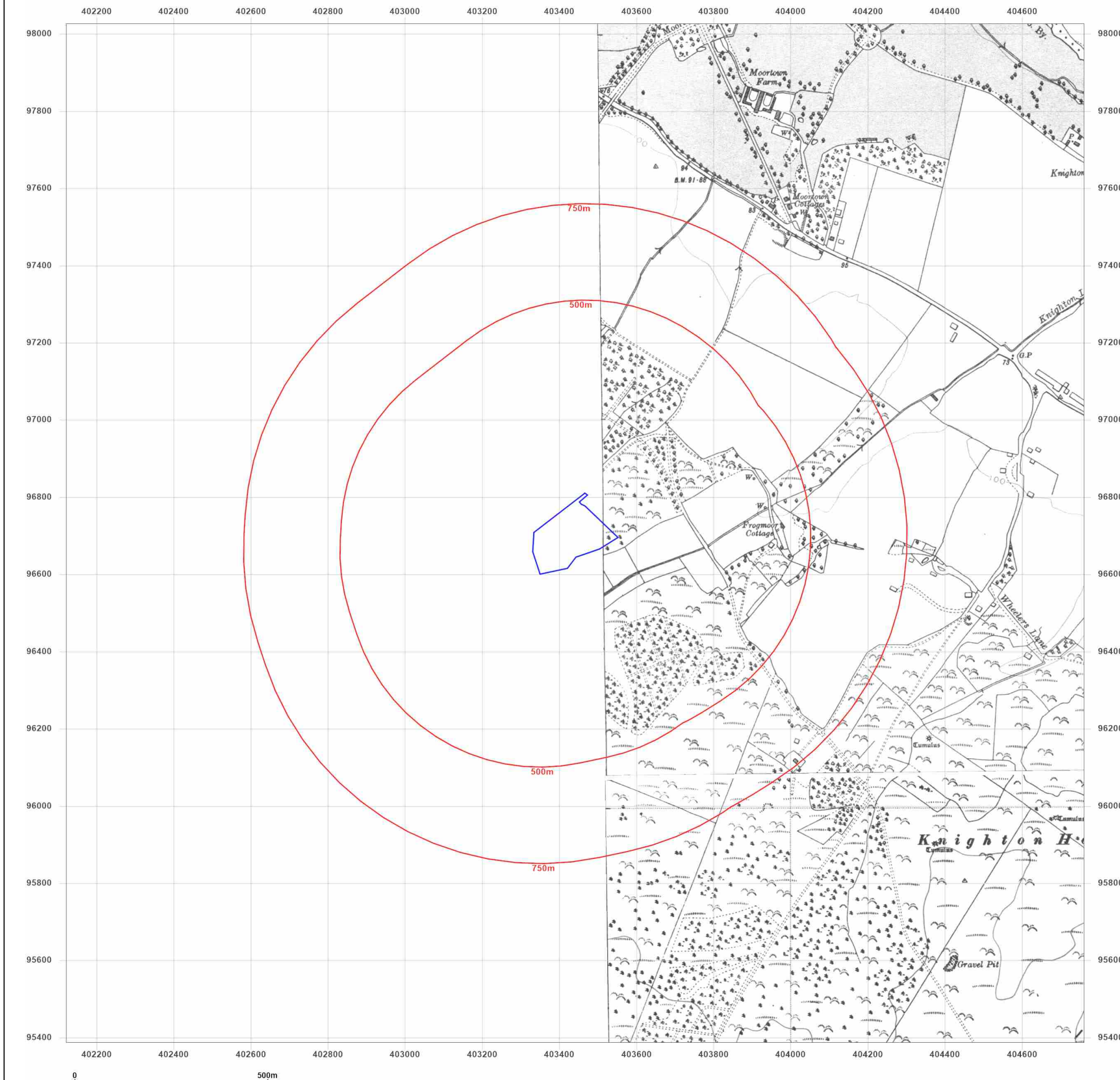


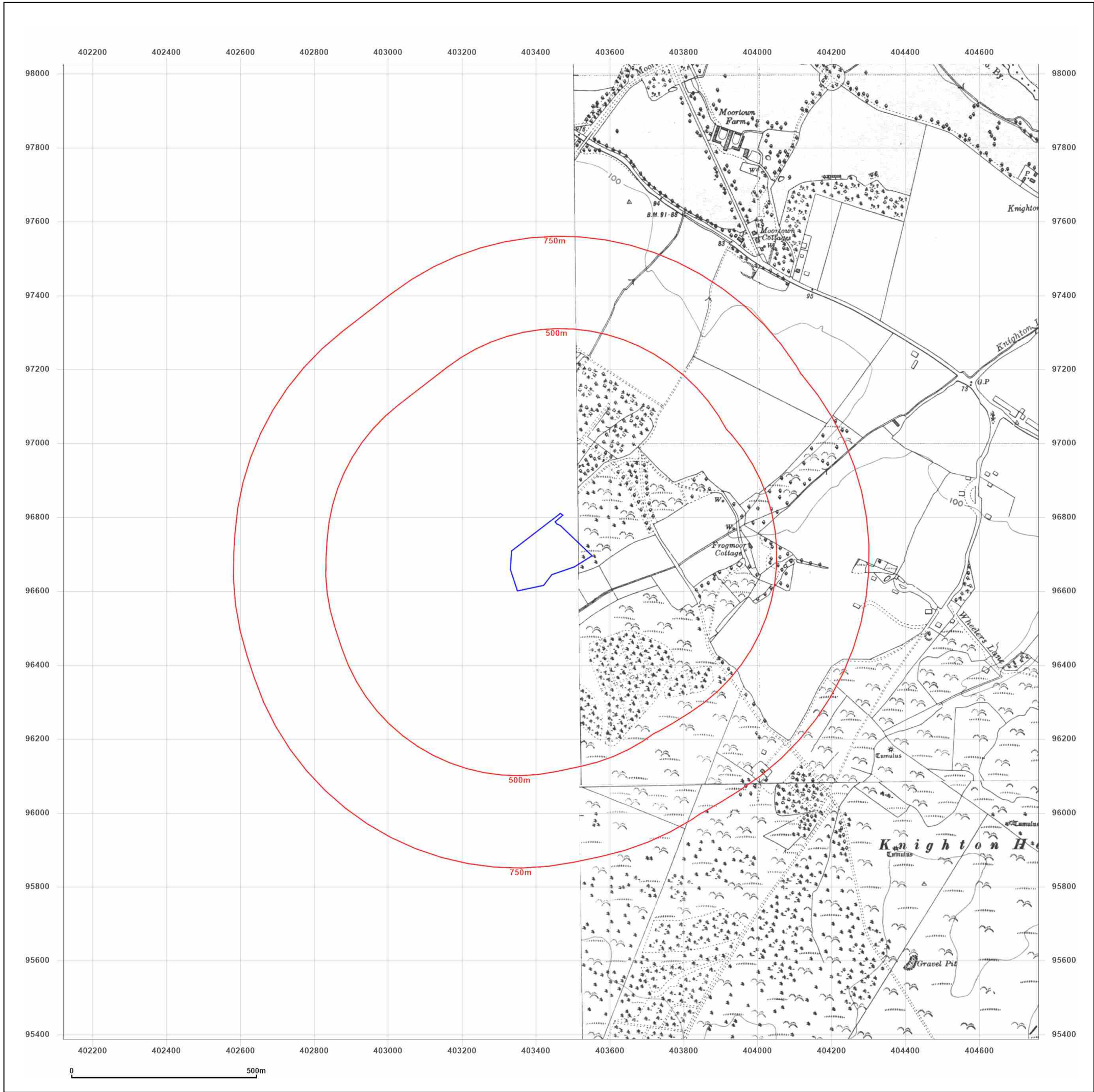
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[www.groundsure.com/sites/default/files/groundsure\\_legend.pdf](http://www.groundsure.com/sites/default/files/groundsure_legend.pdf)






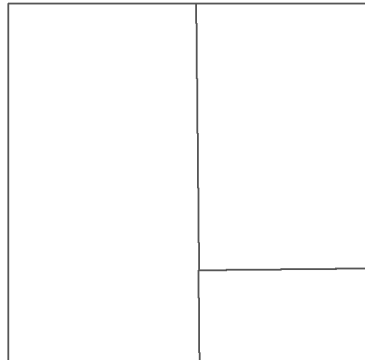
**Site Details:**

CANFORD RECYCLING CENTRE,  
ARENA WAY, POOLE, BH21  
3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series  
**Map date:** 1938  
**Scale:** 1:10,560  
**Printed at:** 1:10,560





Surveyed 1886  
Revised 1938  
Edition 1938  
Copyright N/A  
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Surveyed 1869  
Revised 1938  
Edition N/A  
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ARENA WAY, POOLE, BH21  
3BW

**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** County Series

**Map date:** 1938-1940

**Scale:** 1:10,560

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



Surveyed 1886  
Revised 1940  
Edition N/A  
Copyright N/A  
Levelled N/A

Surveyed 1887  
Revised 1938  
Edition N/A  
Copyright N/A  
Levelled N/A

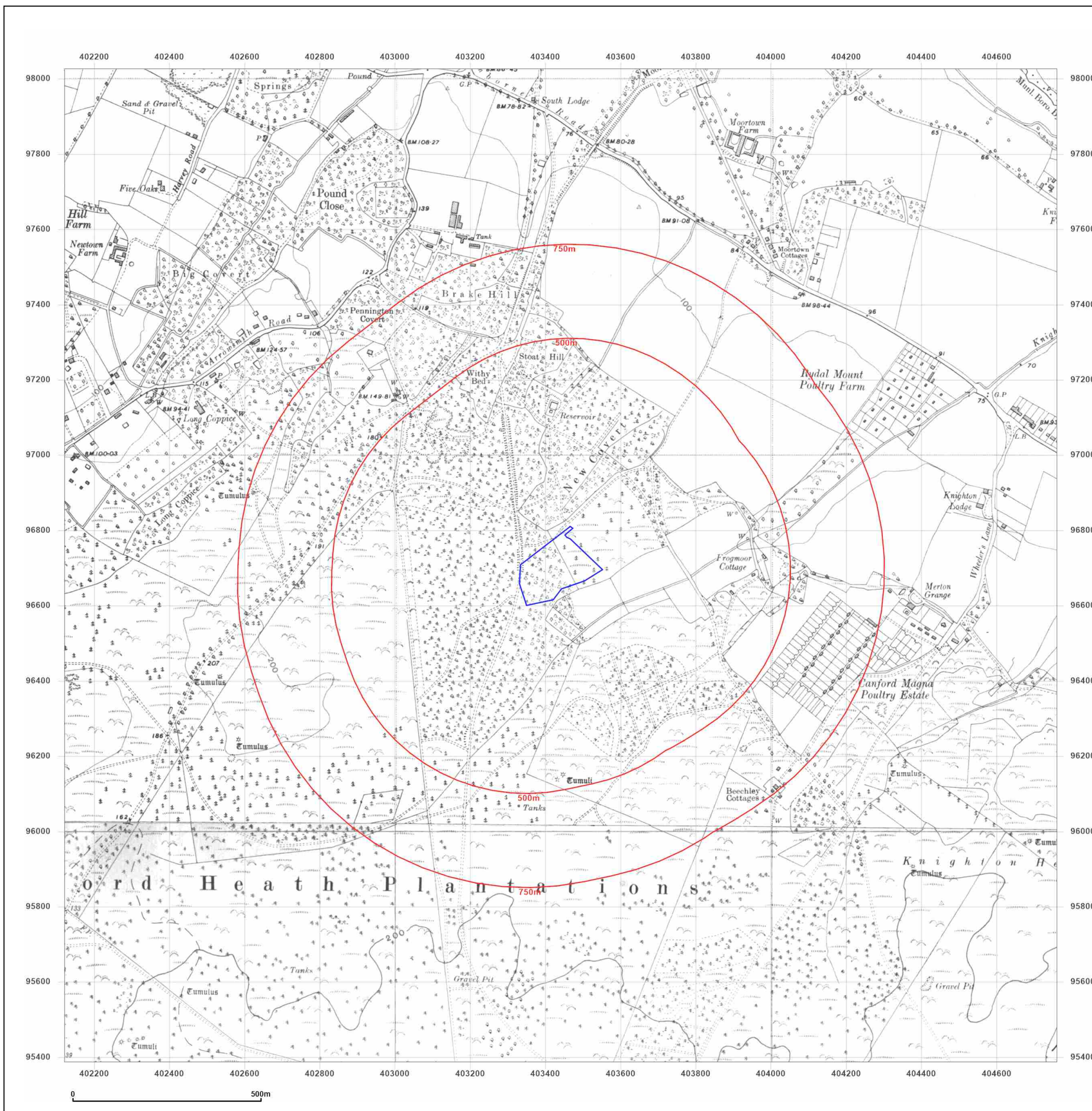


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1982

**Scale:** 1:10,000

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



Surveyed 1982  
Revised 1982  
Edition N/A  
Copyright N/A  
Levelled N/A

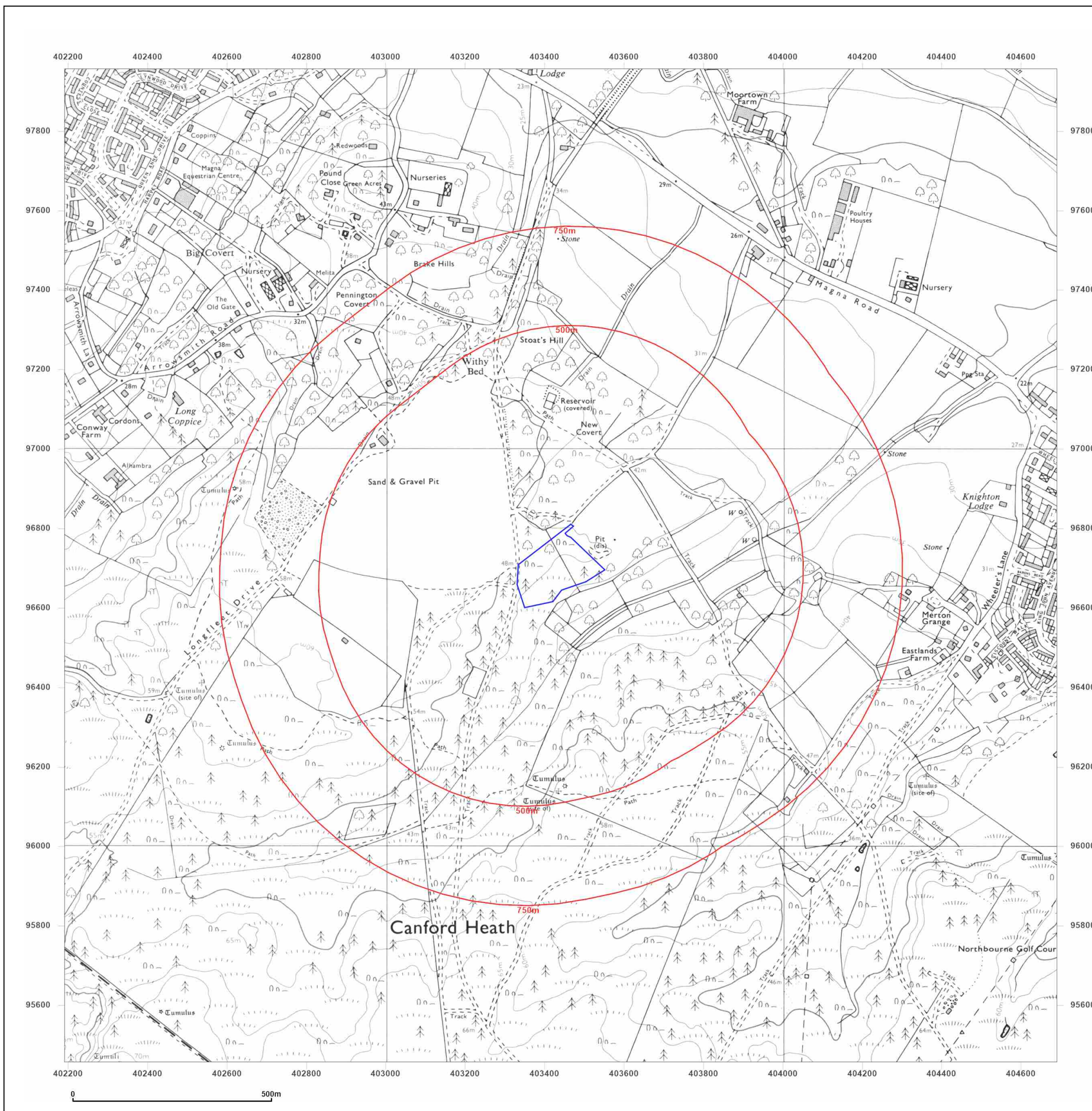


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 1988

**Scale:** 1:10,000

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



Surveyed 1986  
Revised 1988  
Edition N/A  
Copyright N/A  
Levelled N/A

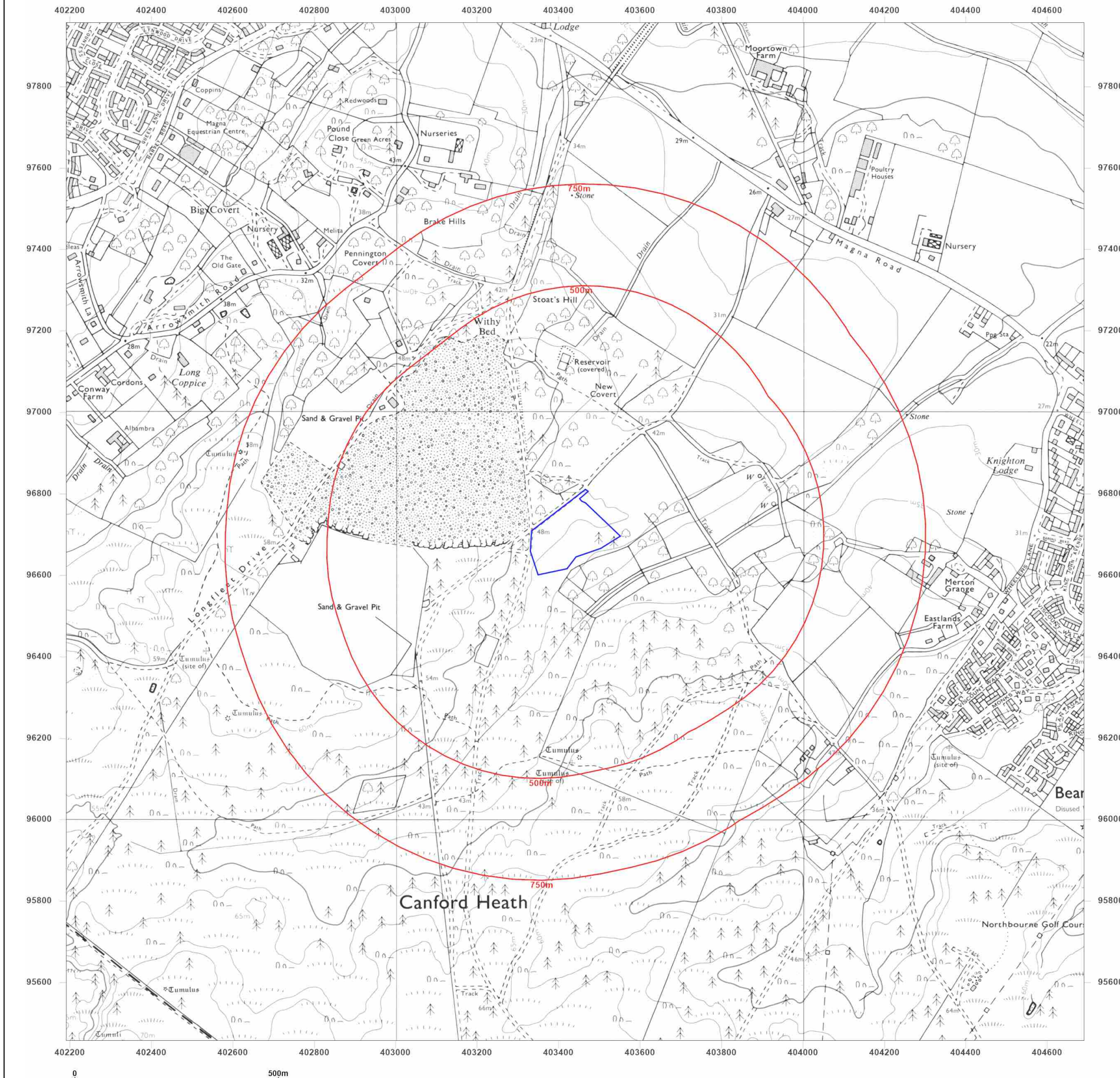


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 2001

**Scale:** 1:10,000

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



2001

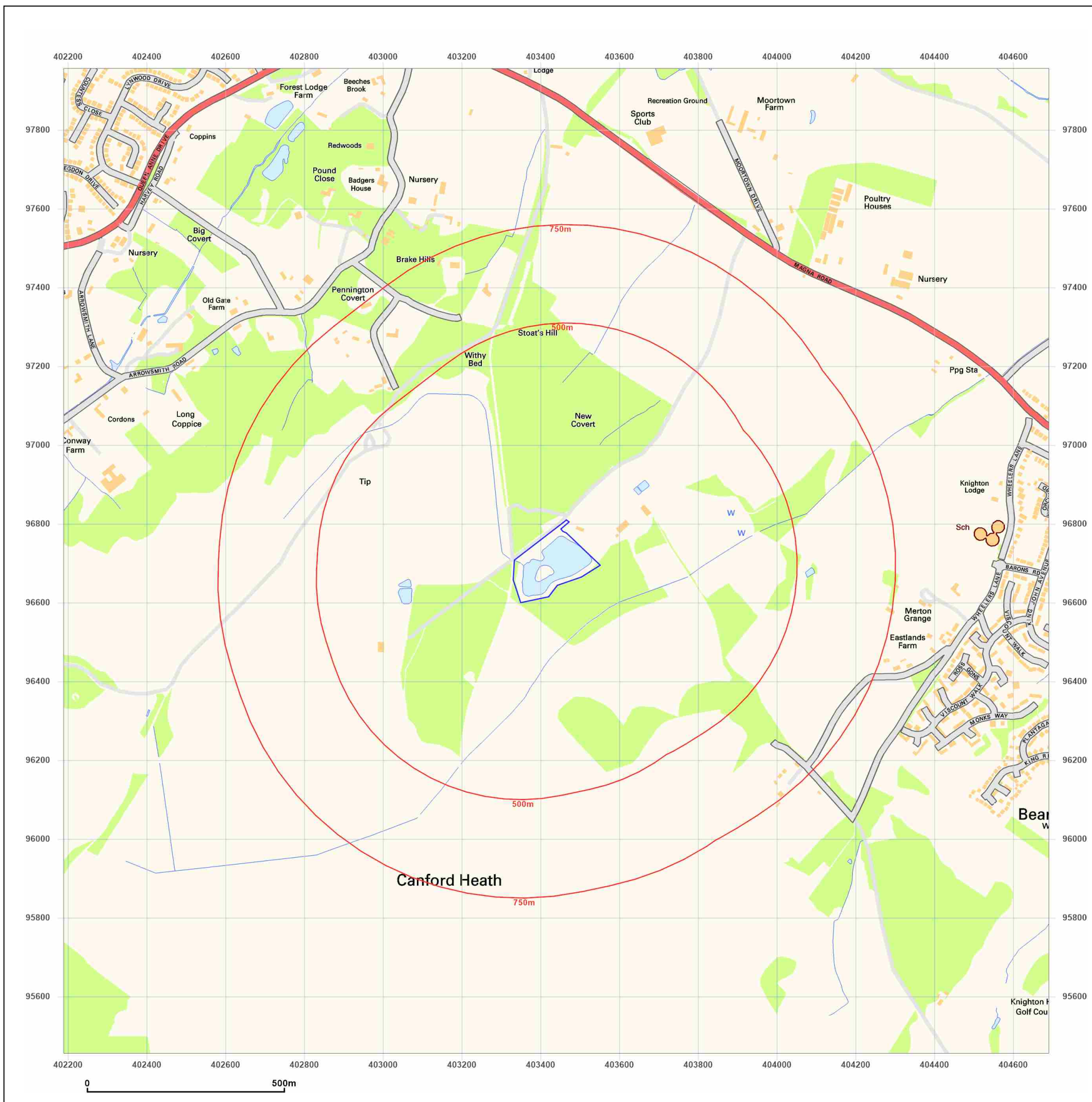


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

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



2010

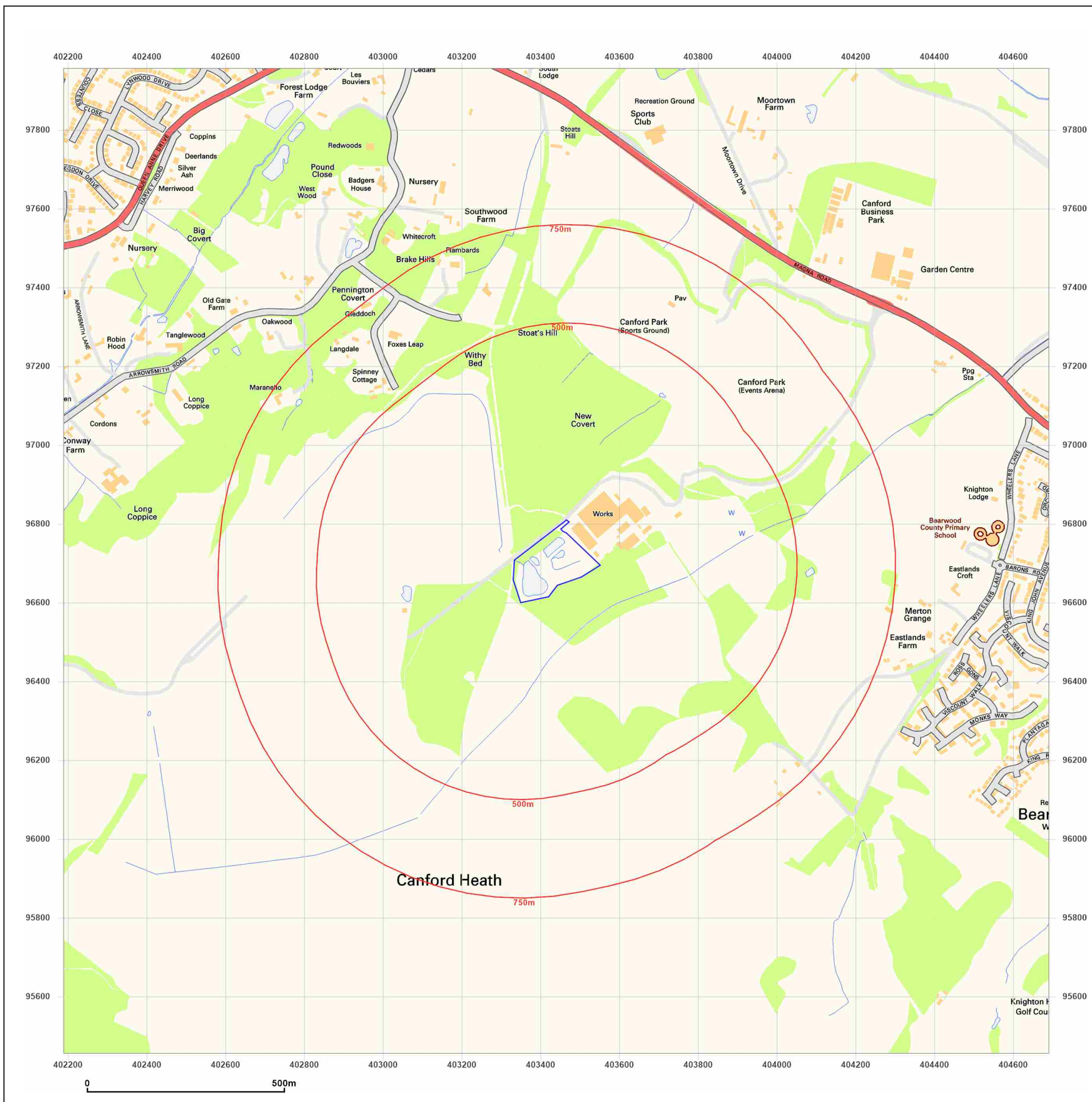


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**Client Ref:** EX-21-001  
**Report Ref:** GS-8371842  
**Grid Ref:** 403440, 96706

**Map Name:** National Grid

**Map date:** 2021

**Scale:** 1:10,000

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



2021



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