



**PRELIMINARY GROUND
CONTAMINATION RISK
ASSESSMENT REPORT**

**LAND TO SOUTH OF
FEN PLACE MILL
TURNERS HILL ROAD
TURNERS HILL
WEST SUSSEX**

PROJECT REFERENCE: P17843

REPORT REFERENCE: R17259

Report Beneficiary: Terry Beasley

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This report is not intended to be either an ecological, archaeological or flood risk assessment. An appropriate specialist should be consulted about any concerns that may arise in this regard.

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EXECUTIVE SUMMARY

The following presents a summary of the main findings of the report. It is emphasised that no reliance should be placed on any individual point until the whole of the report has been read as other sections of the report may put into context the information contained herein.

It is proposed to construct a new house at the site located to the south of Fen Place Mill, Turners Hill Road, Turners Hill, West Sussex.

The main part of the site comprised a large open field of grass, generally sloping downward from west to east, with an area of woodland in the south-west, and a smaller meadow to the north, separated by a row of trees.

The site has remained undeveloped since the time of the earliest maps inspected in 1875, with the exception of the excavation of a small quarry near the southern boundary.

Reference to geological datasets indicates that the site is expected to be underlain by Alluvium near the River Medway on the eastern boundary. The remainder of the site is expected to be underlain by the Grinstead Clay Member, Ardingly Sandstone or the Lower Tunbridge Wells Sand, all of which form part of the Tunbridge Wells Sand Formation.

The underlying geology is classed as either Secondary A Aquifer or Unproductive Strata. The site does not lie within a SPZ.

The preliminary contamination risk assessment has identified potential pollutant linkages to be present.

An intrusive ground investigation is recommended to allow a quantitative risk assessment to be prepared. Details of the recommended works are included in section 5.5.

TABLE OF CONTENTS

1.	INTRODUCTION	1
2.	SITE CONTEXT	2
2.1	Walkover Survey	2
2.2	Site Topography	4
2.3	Geological Data Review	5
2.4	Hydrogeological and Hydrological Data	10
3.	GEO-ENVIRONMENTAL DATA	12
3.1	Historical Industrial Sites	12
3.2	Landfill and Other Waste Sites	12
3.3	Current Industrial Land Use	13
3.4	Environmental Designations	13
3.5	Railway Infrastructure and Projects	13
4.	HISTORICAL MAP AND IMAGERY REVIEW	14
5.	PRELIMINARY CONTAMINATION RISK ASSESSMENT	15
5.1	Introduction	15
5.2	Contaminant Pathways Identified	15
5.3	Potential Contamination Sources Identified	15
5.4	Preliminary Conceptual Model	16
5.5	Recommendations	16

FIGURES AND APPENDICES

FIGURES

Figure 1 Site Location Plan

APPENDIX A

Proposed Development Layout

APPENDIX B

Classification of Probability, Consequence and Risk

APPENDIX C

Preliminary Conceptual Model

APPENDIX D

Groundsure Enviro+Geo Insight Report
Historical Maps

1. INTRODUCTION

It is proposed to construct a new house at the site located to the south of Fen Place Mill, Turners Hill Road, Turners Hill, West Sussex. A copy of the proposed development layout is presented in Appendix A.

The development has been approved by Mid Sussex District Council, Planning Reference: DM/23/1608 and a planning condition (Condition 9) imposed with respect to contaminated land.

Ashdown Site Investigation Ltd. was requested to undertake a preliminary ground contamination risk assessment for the proposed development to assist with an application to discharge Condition 9 parts (a) and (b).

The scope of the works covered by this report, and the terms and conditions under which they were undertaken, were set out within the offer letter Q16662, dated 19TH June 2026. The instruction to proceed was received behalf of the client, Terry Beasley.

The specific objectives of the works were to:

- a) Establish the expected geology, hydrogeology and hydrology at the site;
- b) Ascertain the development history and current site use;
- c) Develop a preliminary conceptual model of the site identifying potential pollutant linkages relating to end users of the proposed development works, to controlled waters beneath and in the vicinity of the site, or to other off-site sensitive receptors, if identified; and
- d) Develop a site investigation scheme to allow an assessment of the potential risks identified.

Copies of the historical maps and geo-environmental data referred to in this report are presented within Appendix F.

2. SITE CONTEXT

2.1 Walkover Survey

The site is located to the north of Turners Hill Road, Turners Hill, West Sussex, and is centred on the approximate Ordnance Survey national grid reference 536393, 136377. A site location plan is presented as Figure 1.

The site walkover survey was carried out on 24th June 2026. The site is bounded by areas of open land to the north, a river to the east, Turners Hill Road to the south and an area of woodland to the west. The main part of the site comprised a large open field of grass, generally sloping downward from west to east, with an area of woodland in the south-west, and a smaller meadow to the north, separated by a row of trees.



The ground was uneven in the area of woodland in the south-west of the site. A glade in the south-west of the woodland appeared to have been levelled and there was evidence of brick, tile, glass, concrete, plastic and plastic pipe on the ground surface. Elsewhere within the woodland area suspected Japanese Knotweed was observed. It is noted that a Preliminary Ecological Appraisal Report¹ undertaken for the

¹ Urban Edge Environmental Consulting Report Ref: UE0503_MeadowBankHse_PEA_1_220624, Revision 1, 24th June 2022

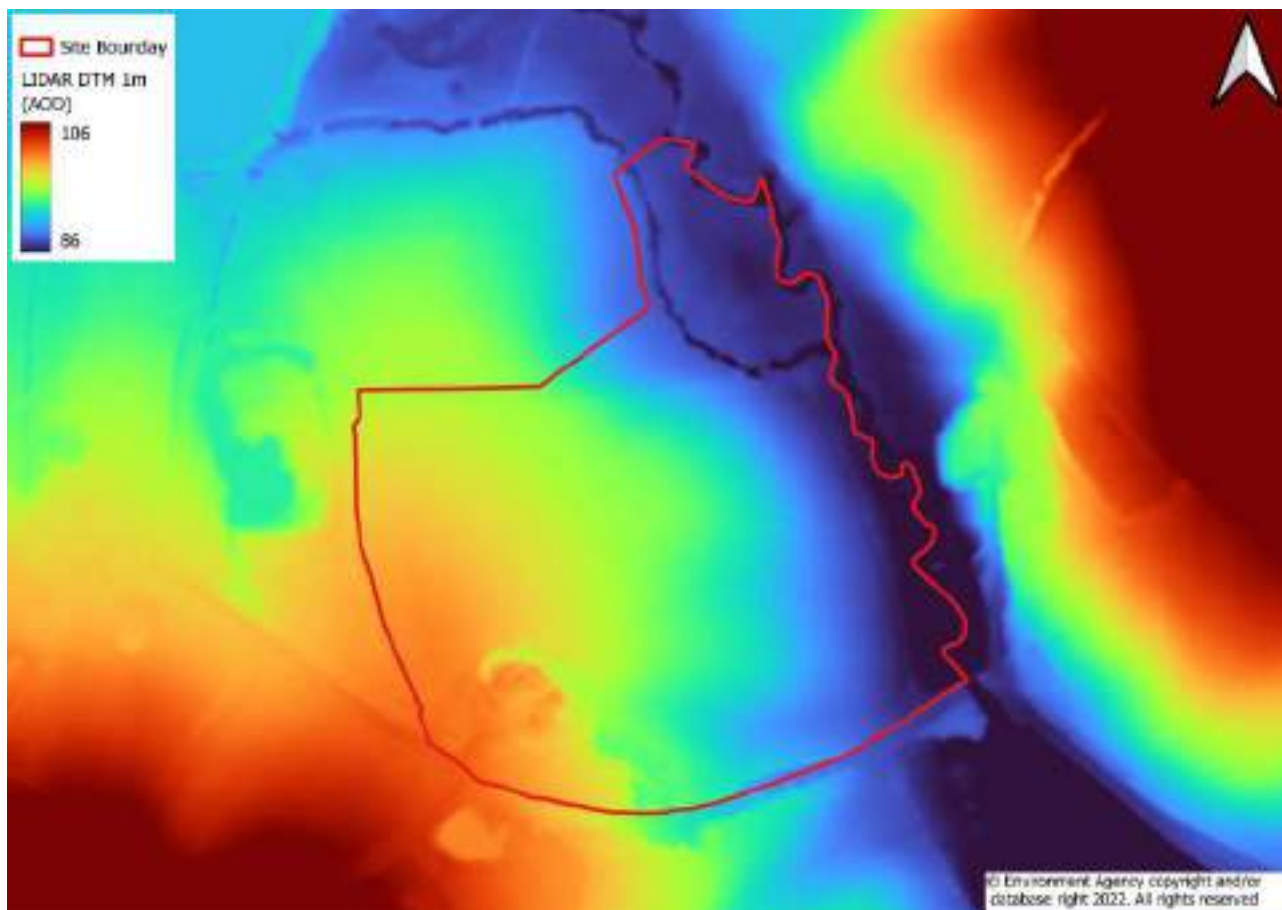
site referred to the presence of Japanese Knotweed in an area in the north of the site, but not within the woods in the south-west.



2.2 Site Topography

Environment Agency LIDAR Composite DTM (Digital Terrain Model) has been obtained for the site and its surrounds. The DTM is a raster elevation model at 1m spatial resolution vertical accuracy of $\pm 15\text{cm}$ RMSE².

The LIDAR data is presented below as a map view.



² LIDAR Composite Digital Terrain Model (DTM) - 1m. <https://environment.data.gov.uk/dataset/13787b9a-26a4-4775-8523-806d13af58fc>, Accessed 1st July 2026.

2.3 Geological Data Review

2.3.1 Expected Geology and Aquifer Designation

The stratigraphic succession that may be expected to underlie the site has been established by reference to British Geological Survey (BGS) mapping and the BGS Lexicon of Named Rock Units. The expected stratigraphy is presented in the following table.

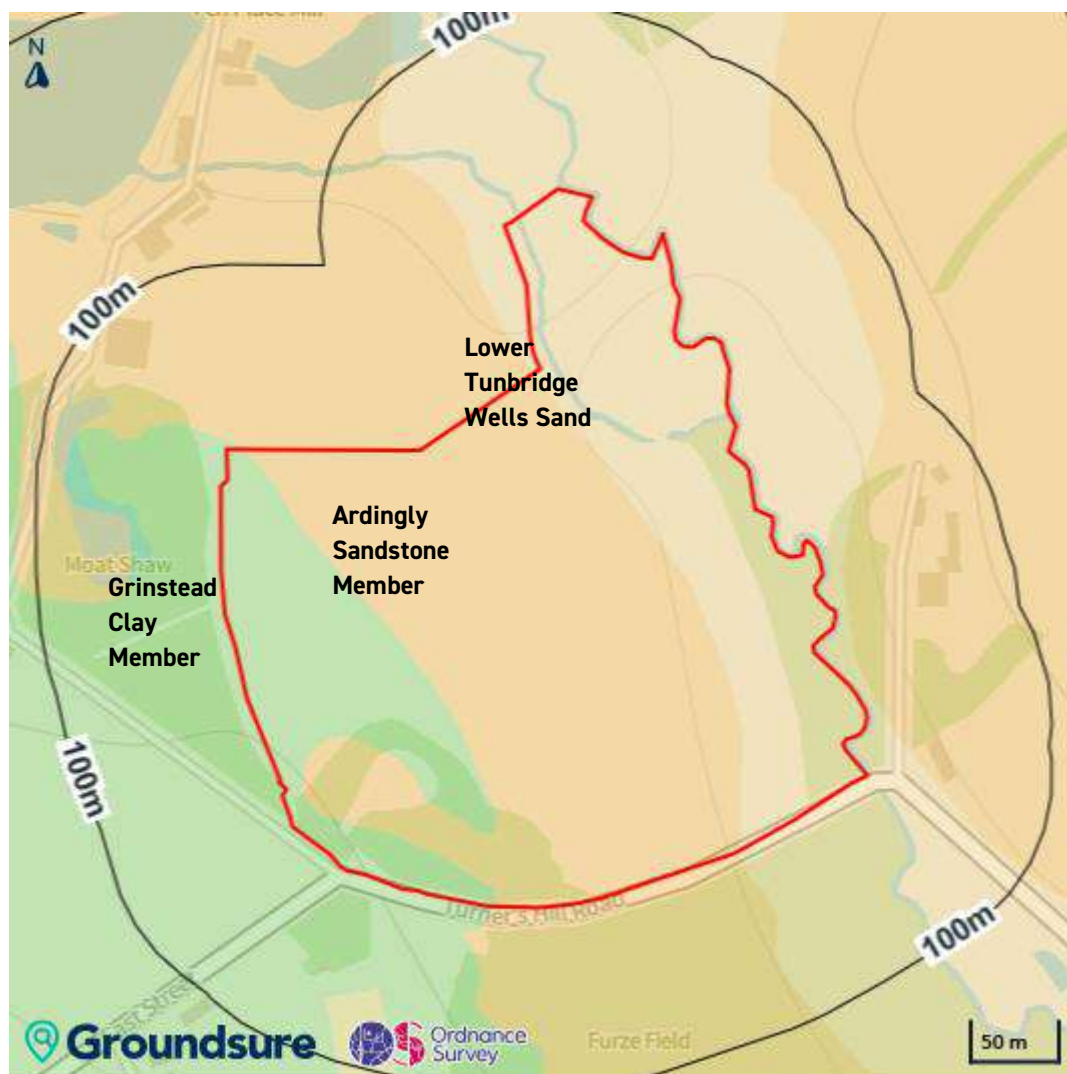
Table 1. Expected Strata and Aquifer Designation

Type	Stratum	Aquifer Designation
Superficial	Alluvium (in proximity to the river along the eastern boundary only)	Secondary A Aquifer
Bedrock	Grinstead Clay Member	Unproductive Stratum
	Ardingly Sandstone Member	Secondary A Aquifer
	Lower Tunbridge Wells Sand	Secondary A Aquifer

Alluvium is shown along the eastern boundary of the site and is a term for any material that has been transported and laid down by rivers. It can variably comprise sand and gravel, and, where deposited on flood plains may include compressible organic clay and silt. Peat and sand horizons may be present within the deposits, indicating localised changes within the depositional regime.

The Tunbridge Wells Sand Formation forms part of the Wealden Group. The formation is of Valanginian age (133.9 to 139.4 million years old; Early Cretaceous). The Tunbridge Wells Sand Formation predominantly comprises repeating sequences of fine to medium grained sandstone, siltstone and silty sand with finely-bedded mudstones and thin limestones. In the western High Weald (between Haywards Heath and Tunbridge Wells) the formation can be divided into three, the informally named Lower and Upper Tunbridge Wells Sand and the intervening Grinstead Clay Member. The succession commences with rhythmically bedded sandstones, siltstones and mudstones of the lower part of the Lower Tunbridge Wells Sand which pass up into the massive sandstones of the Ardingly Sandstone Member. These are overlain by the finely bedded mudstones, mudstones and silty mudstones with subordinate clay ironstones and shelly limestones of the Grinstead Clay Member. This clay member is itself locally divided into upper and lower parts by the cross-bedded fine sandstone of the Cuckfield Stone Bed. Above the Grinstead Clay Member, the Upper Tunbridge Wells Sand comprises a generally more argillaceous rhythmic succession, including mudstones, siltstones and silty sandstones. Outside the western High Weald the Grinstead Clay Member is not recognisable, and the succession is mapped as undivided Tunbridge Wells Sand Formation. The formation is recorded by the BGS to range in thickness up to 122m.

An extract from the data showing the formal distribution of the bedrock geology anticipated on the site is shown below:



Contains OS data © Crown copyright and database rights 2026. Contains or is derived from Data from British Geological Survey © UKRI. All rights reserved

2.3.2 BGS Borehole

No British Geological Survey (BGS) boreholes are identified within 100m of the site.

2.3.3 Mining and Ground Workings

Table 2. Mining and Ground Workings from Groundsure Data

Section	Groundsure Comment
BritPits	16 BritPits have been identified with the closest located on site and the furthest located ~458m east of the site. The on-site records refer to Moat Shaw Quarry and Kingscote, both used for sandstone excavation and both no longer in use.
Surface Ground Workings	A number of historical unspecified pits and an unspecified quarry are located on site from 1874-1975. A pond is located ~144m north-west, a water body ~149m north-west and a mill pond located ~156m north-west.
Underground Workings	No underground workings are identified within 1km of the site.
Underground Mining Extents	No records are identified within 500m of the site.
Historical Mineral Planning Areas	No records are identified within 500m of the site.
Non-Coal Mining	Three sites are recorded ~444m south-east, ~576m west and ~620m south of site all used for iron ore.
JPB Mining Areas	No records are identified on the site.
The Coal Authority – Non-Coal Mining	No records are identified within 500m of the site.
Researched Mining	No records are identified within 500m of the site.
Mining Record Office Plans	No records are identified within 500m of the site.
BGS Mine Plans	No records are identified within 500m of the site.
Coal Mining	No records are identified on the site.
Brine Areas	No records are identified on the site.
Gypsum Areas	No records are identified on the site.
Tin Mining	No records are identified on the site.
Clay Mining	No records are identified on the site.

The geological units of the Wealden Group were locally mined for iron during the early Roman period, the Medieval period and significantly between the 15th and 18th centuries. The mining activities were associated with hammer and furnace ponds, and forges. The locations of many of the workings are unknown, the works mostly having been dismantled and sites overgrown with woodland. Many of the old ponds in the Weald may be representative of old hammer or furnace ponds.

The historical extraction was mostly from open pits excavated from surface, but during the Medieval period, extraction in the eastern Weald was increasingly from mine pits. These mine pits were typically five metres in diameter and up to twelve metres deep. The pits were worked in sequence with spoil from one pit used to in-fill the one before. In the western part of the Weald, the principal method of extracting iron ore was also the mine pit but smaller in scale; the pits consisted of a vertical shaft up to 2.5 metres in diameter and the base of the shaft would have been widened out.

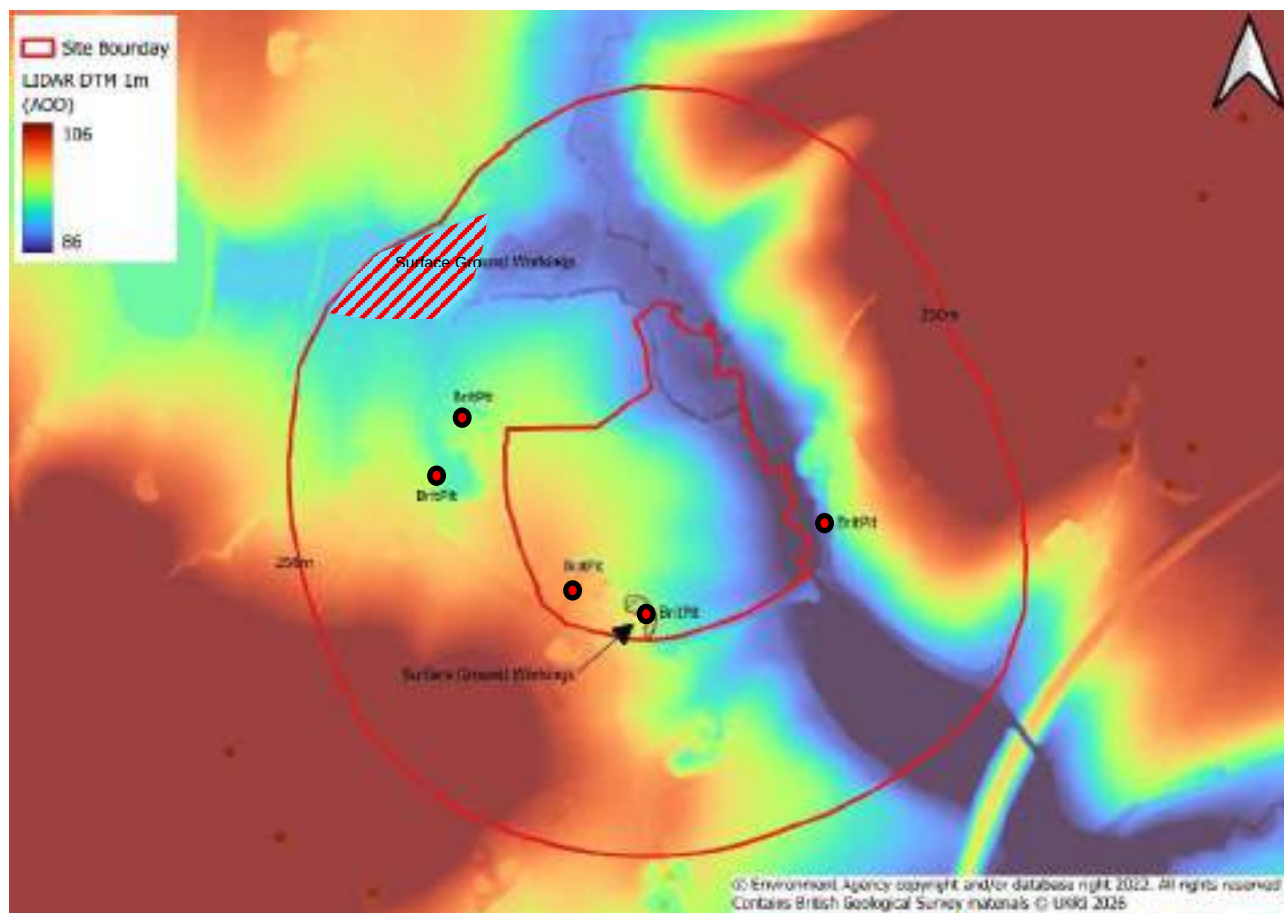
The British Geological Survey GeoIndex Onshore viewer records the presence of a series of mines and

quarries within 1km of the site, the closest of which are identified in the table above. A search of the Wealden Iron Research Group database (www.wirgdata.org) revealed no records of iron workings within 1km of the site.

The positions of the records relating to BritPits and surface ground workings within 250m of the site from the GroundSure Data are presented on the diagram below:



Below is the map view of the BritPits and surface ground workings data overlain on the LIDAR data.



2.3.4 Ground Cavities and Sinkholes

Table 3. Ground Cavities and Sinkholes from Groundsure Data

Section	Groundsure Comment
Natural Cavities	No records are identified within 500m of the site.
Mining Cavities	No records are identified within 500m of the site.
Reported Recent Incidents	No records are identified within 500m of the site.
Historical Incidents	No records are identified within 500m of the site.

2.3.5 Radon

Table 4. Radon

Section	Groundsure Comment
Radon Affected Areas	The site is reported to be within an area where less than 1% of properties are at or above the action level requiring radon gas protection measures to be installed in new buildings.

Section	Groundsure Comment
Radon Protection Measures	No radon protection measures are reported by the British Geological Survey to be necessary in the construction of new dwellings or extensions.

2.3.6 Soil Chemistry

Table 5. BGS Estimated Background Soil Chemistry

Contaminant	Estimated Value (mg/kg)
Arsenic	15 - 25
Bioaccessible Arsenic	No data
Lead	100
Bioaccessible Lead	60
Cadmium	1.8
Chromium	60 - 90
Nickel	15 - 30

2.4 Hydrogeological and Hydrological Data

2.4.1 Groundwater Abstractions

No active groundwater abstraction licences are indicated within 2km of the site.

2.4.2 Surface Water Abstractions

No active surface water abstraction licences are indicated within 2km of the site.

2.4.3 Potable Abstractions

No potable abstraction licences are indicated within 2km of the site.

2.4.4 Groundwater Vulnerability

The level of groundwater vulnerability, as reported within the Groundsure data, is High.

2.4.5 Groundwater Source Protection Zones (SPZ)

The Environment Agency defines SPZs as those areas where groundwater supplies are at risk from potentially polluting activities and accidental releases of pollutants. SPZs are primarily a policy tool used to control activities close to water supplies intended for human consumption.

The site does not lie within a SPZ.

2.4.6 Surface Water Features

An inland river, River Medway, is indicated to be present on site and along the eastern boundary of the site. The next nearest significant surface water feature recorded by the data is a reservoir, located ~87m west.

2.4.7 Flood Risk

The table below summarises the flood risk data provided by the Groundsure report. It is noted that this does not constitute a flood risk assessment.

Table 6. Flood Risk

Section	On Site	Within 50m of the Site
Risk of Flooding from Rivers and Seas (RoFRaS)	High	High
Historical Flood Events	None Identified	None Identified
Flood Defences	None Identified	None Identified
Areas Benefitting from Flood Defences	None Identified	None Identified
Flood Storage Areas	None Identified	None Identified
Environment Agency Flood Zone 2	Fluvial	Fluvial
Environment Agency Flood Zone 3	Fluvial	Fluvial
Surface Water Flooding	Highest Risk: 1 in 30 year, greater than 1.0m	Highest Risk: 1 in 30 year, greater than 1.0m
Groundwater Flooding	Highest Risk: Low	Highest Risk: Low

3. GEO-ENVIRONMENTAL DATA

3.1 Historical Industrial Sites

The following table summarises past land uses of the site and the surrounding area extracted by Groundsure from historical maps.

Table 7. *Historical Industrial Sites*

Section	Remarks
Historical Industrial Land Uses	A number of unspecified pits and an unspecified quarry is located on site. A pump house is located ~44m east of site.
Historical Tank Database	No historical tanks are identified within 100m of the site.
Historical Energy Features	No energy features are identified within 100m of the site.
Historical Petrol Stations	No historical petrol stations are identified within 100m of the site.
Historical Garages	No historical garages are identified within 100m of the site.
Historical Military Sites	No historical military sites are identified within 100m of the site.

3.2 Landfill and Other Waste Sites

The following table summarises the location of waste sites either on the site or within the surrounding area (within 250m of the site).

Table 8. *Landfill and Other Waste Sites*

Section	Groundsure Comments
Active or Recent Landfills	No active or recent landfills are identified within 250m of the site.
Historical Landfill (BGS Records/LA/Mapping Records EA Records)	No historical landfills are identified within 250m of the site.
Historical Waste Sites	No historical waste sites are identified within 250m of the site.
Licensed Waste Sites	No licensed waste sites are identified within 250m of the site.
Waste Exemptions	The nearest exemptions refer to the burning of waste, spreading of waste to confer agricultural benefit and use of waste in construction located at Fen Place Mill ~171m to the north-west.

3.3 Current Industrial Land Use

The relevant current industrial land uses are discussed in the table below.

Table 9. Current Industrial Land Uses

Section	Groundsure Comments
Recent Industrial Land Use	No recent industrial land uses are identified within 100m of the site.
Current or Recent Petrol stations	No current or recent petrol stations are identified within 100m of the site.
Electricity Cables / Gas Pipelines	No underground high voltage cables or high-pressure pipes are identified within 100m of the site.
Sites determined as Contaminated Land	No sites determined as contaminated land are identified within 100m of the site.
Control of Major Accident Hazards (COMAH) Sites	No COMAH sites are identified within 100m of the site.
Regulated Explosive Sites	No regulated explosive sites are identified within 100m of the site.
Hazardous Substance Storage/Usage	No consents have been granted for hazardous substance storage/usage within 100m of the site.
Historical Licensed Industrial Activities (IPC)	No records are identified within 100m of the site.
Licensed Industrial Activities (Part A(1))	No records are identified within 100m of the site.
Licensed Pollutant Release (Part A(2)/B)	No records are identified within 100m of the site.
Radioactive Substance Authorisations	No records are identified within 100m of the site.
Licensed Discharges to Controlled Waters	A license for discharge of sewage is located ~22m east at Orchardside cottage.
Pollutant Release to Surface Water / Public Sewer	No records are identified within 100m of the site.
List 1 / List 2 Dangerous Substances	No records are identified within 100m of the site.
Pollution Incidents (EA/NRW)	No pollution incidents are identified within 100m of the site.
Pollution Inventory Substances / Waste Transfers / Radioactive Waste	No records are identified within 100m of the site.

3.4 Environmental Designations

No sensitive environmental designations at risk from the proposed development are identified on or in close proximity to the site.

3.5 Railway Infrastructure and Projects

No current railway or associated features are identified within 250m of the site.

4. HISTORICAL MAP AND IMAGERY REVIEW

Historical Ordnance Survey maps and imagery covering the area of the site have been reviewed and are summarised in the following table.

It is noted that maps and images present information applicable at the time of production of the maps or image captures, that maps are subject to surveying and cartographic errors and images to atmospheric conditions at the time of their capture. It is possible that significant developments may have taken place on or within the vicinity of the site that are not shown on the inspected maps and images.

'In the Vicinity of the Site' generally refers to features of relevance within approximately 250m of the site boundary but may also include more distant features if considered to be pertinent to the assessment of the development history.

Table 10. Summary of Significant Features Identified on Historical Maps and Images

Map/Image Details	On-Site	In the Vicinity of the Site
1873 1:2,500	The site largely comprises open fields, with areas of woodland in the south-west and east. A river runs along the whole of the eastern boundary. A second river runs along the western edge of the northern part of the site, before cutting across the site to the join the river on the east.	Buildings denoted <i>Fen Place Mill</i> are located ~200m north of the site. A series of buildings, <i>Hurley Farm</i> , are located ~50m east of the site.
1873 - 1874 1:2,500		A road is constructed ~100m to the south-east.
1897 1:2,500	Small areas of excavation labelled as a <i>Quarry</i> and <i>Old Gravel Pit</i> are shown near the southern boundary adjacent to the area of woodland.	
1910 1:2,500	The excavation area has been extended to the north west	
1975 1:2,500		Further development has occurred at Fen Mill Place with a number of buildings being constructed.
1999-2021 Aerial Photos	Ground workings can be seen in the area of the glade in the woods in the south-east.	

5. PRELIMINARY CONTAMINATION RISK ASSESSMENT

5.1 Introduction

The risk assessment considers the potential sources of contamination identified, the receptors that may be present in view of the development proposals and the contaminant pathways by which these may be linked. A complete pollutant linkage is only deemed to exist where all three are present and a site is considered suitable for use where no complete pollutant linkages are identified.

Where a complete pollutant linkage is deemed to be present, an assessment of the level of risk associated with the pollutant linkage has been carried out in line with current guidance³.

The level of risk is determined using the risk matrix presented in the following table. Classifications of probability, consequence and risk are presented in Appendix B.

Table 11. Risk Assessment Matrix

		Probability			
		Very Low	Low	Moderate	High
Consequence	Very Minor	Negligible	Very Low	Low	Low/Moderate
	Minor	Very Low	Low	Low/Moderate	Moderate
	Moderate	Low	Low/Moderate	Moderate	High
	Severe	Low/Moderate	Moderate	High	Very High

5.2 Contaminant Pathways Identified

The development is to comprise a new house, with the surrounding ground forming a private garden.

As such, pathways associated with gas and vapour intrusion into new buildings are considered to be valid, along with direct contact and dust related pathways, and pathways associated with the consumption of home grown produce.

The underlying geology are classed as either Unproductive Strata or Secondary A Aquifers. Although the site is not located within a SPZ, a river is located on the eastern boundary and therefore pathways relating to controlled waters may be reasonably considered to be present.

Should the proposed development plans be altered, a revised risk assessment may be required.

5.3 Potential Contamination Sources Identified

The following potential sources of contamination have been identified by the preliminary contamination risk assessment:

- Historical and recent surface ground workings in the south of the site.
- Areas of historical surface workings in close proximity to the site.

³ Contaminated Land Risk Assessment: A guide to good practice, CIRIA C552, 2001.

The potential contaminants associated with these sources are set out in the conceptual model.

5.4 Preliminary Conceptual Model

The preliminary conceptual model for the proposed development is presented in Appendix C.

5.5 Recommendations

As potential pollutant linkages are considered to be present, it is recommended that an intrusive ground investigation should be undertaken to allow a quantitative risk assessment to be carried out.

To assess the risk from ground gases that may be present as a result of the historical and recent surface workings both on and in the vicinity of the site, four monitoring standpipes should be installed around the footprint of the proposed house. The standpipes should ideally be installed to depths of 2m below ground level, with a sealed upper section of between 0.5m-1.0m and a slotted response zone below.

Given the age and/or relatively small scale of the various historical ground workings, the ground gases generation potential is considered to be very low to low. Referencing guidance set out in Figure 6 of BS 8576:2013, this indicates that gas monitoring over a period of 2 months with *up to* weekly measurements would be a reasonable choice for initial monitoring. As such, it is recommended that an initial period of monitoring of 6 visits spread across 2 months would be provide a suitable set of initial data on which to base an assessment of risk.

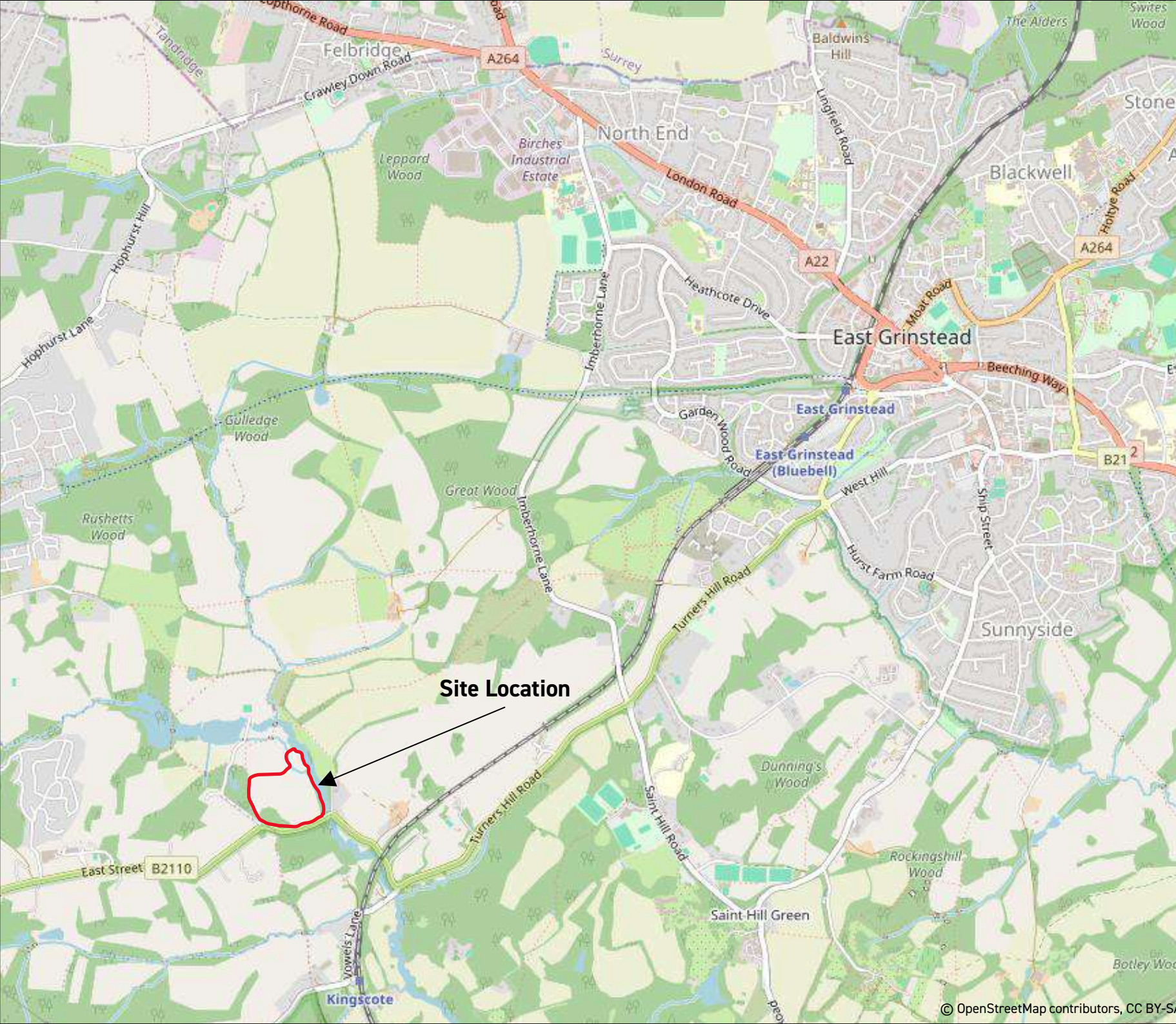
If the data is consistent and the initial assessment indicates that no significant risk is present, then no further monitoring may be required.

To assess the risk from soils within the area of the former quarry and recent surface workings, which were observed to contain rubble and other waste material during the walkover, it is recommended that a series of six shallow trial pits or boreholes are excavated to obtain samples of the soils within the top 600mm, the depth within which end users may reasonably be expected to come into contact with the soils during their use of the site. The samples should be tested for the range of contaminants identified in the conceptual model and an assessment made regarding the level of risk posed by these soils.

This report should be submitted to the local authority for their review as part of an application to discharge parts a) and b) of planning condition 9.

FIGURES

Figure 1 Site Location Plan



Head Office

Unit 3
The Old Grain Store
Ditchling Common Business Park
Ditchling
East Sussex
BN6 8SG
contact@ashdownsi.co.uk

Site

Land to South of Fen Place Mill
Turners Hill Road
Turners Hill
West Sussex

Project Ref

P17848

Figure No

1

Drawing Title

Site Location Plan

Scale

Not To Scale

APPENDIX A

Proposed Development Layout



1. Proposed courtyard garden
2. Proposed orchard
3. Proposed PV panels
4. Proposed driveway
5. Proposed improved scrub woodland (broadleaf woodland + native shrub planting)
6. Proposed woodland shaw (broadleaf woodland + native shrub planting)
7. Proposed ditch to driveway
8. Proposed pond
9. Proposed attenuation pond
10. Proposed wetland grass meadow
11. Proposed lowland meadow
12. Proposed specimen broadleaf tree
13. Proposed specimen riparian tree

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Description
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Rev
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Job No
309

Project
Meadowbank House

Title
Proposed Site Plan

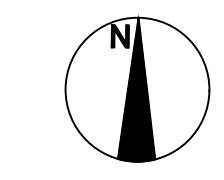
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APPENDIX B

Classification of Probability, Consequence and Risk

Probability Of Risk Being Realised	
Classification	Definition
High	There is a pollution linkage and an event that either appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution.
Moderate	There is a pollution linkage and all the elements are present and in the right place, which means that it is probable that an event will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.
Low	There is a pollution linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place and is less likely in the shorter term.
Very Low	There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

Consequence Of Risk Being Realised		
Classification	Category	Definition
Severe	Human Health	Short term (acute) risk to human health likely to result in "significant harm" as defined by the Environment Protection Act 1990, Part IIA.
	Controlled Waters	Short term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource.
	Property	Catastrophic damage to buildings/property.
	Ecological Systems	A short term risk to a particular ecosystem or organisation forming part of such ecosystem.
Moderate	Human Health	Chronic damage to Human Health.
	Controlled Waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution).
	Ecological System	A significant change in a particular ecosystem or organism forming part of such ecosystem.
Minor	Controlled Waters	Pollution of non-sensitive water resources.
	Property	Significant damage to crops, buildings, structures and services.
	Ecological Systems	Damage to sensitive buildings/structures/services or the environment.
Very Minor	Human Health	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing, etc).
	Property	Easily repairable effects of damage to buildings, structures and services.
	Project	Harm, although not necessarily significant harm, which may result in a financial loss or expenditure to resolve.

Risk Classification Definitions	
Very High	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening. This risk, if realised, is likely to result in a substantial liability. Urgent investigation (if not undertaken already) and remediation are likely to be required.
High	Harm is likely to arise to a designated receptor from an identified hazard. Realisation of the risk is likely to present a substantial liability. Urgent investigation (if not undertaken already) is required and remedial works may be necessary in the short term and are likely over the long term.
Moderate	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild. Investigation (if not already undertaken) is normally required to clarify the risk and to determine the potential liability. Some remedial works may be required in the longer term.
Low	It is possible that harm could arise to a designated receptor from an identified hazard, but there is a low likelihood of this hazard occurring and if realised, harm would at worst normally be mild.
Very Low	There is a low possibility that harm could arise to a receptor. In the event of such harm being realised, it is not likely to be severe.

APPENDIX C

Preliminary Conceptual Model

Site: Land to South of Fen Place Mill, Turners Hill Road, Turners Hill, West Sussex

Project Ref: P17848

Potential Source	Potential Receptor	Potential Contaminants	Potential Pathway	Complete Linkage Present?	Probability	Consequence	Risk
Historical and recent surface ground workings in the south of the site.	End Users	Asbestos, Heavy Metals, Land Gases and PAH Compounds	Dermal contact with soil and dust (indoor & outdoor)	Yes	P2: Low	C3: Moderate	Low/Moderate
			Ingestion of soil and indoor dust	Yes	P2: Low	C3: Moderate	Low/Moderate
			Consumption of home-grown produce and attached soil	Yes	P2: Low	C3: Moderate	Low/Moderate
			Inhalation of soil dust (indoor and outdoor)	Yes	P2: Low	C3: Moderate	Low/Moderate
			Inhalation of soil vapours	No potential contaminants identified			N/A
			Inhalation of soil gases/ Risk of explosion	Yes	P1: Very Low	C3: Moderate	Low
	End Users (via Water Supply Pipework)		Contamination of incoming services	No potential contaminants identified			N/A
	Controlled Waters	Heavy Metals and PAH Compounds	Migration to groundwater	Yes	P1: Very Low	C1: Very Minor	Negligible
Areas of historical surface workings in close proximity to the site	End Users	Land Gases	Dermal contact with soil and dust (indoor & outdoor)	No potential contaminants identified			N/A
			Ingestion of soil and indoor dust	No potential contaminants identified			N/A
			Consumption of home-grown produce and attached soil	No potential contaminants identified			N/A
			Inhalation of soil dust (indoor and outdoor)	No potential contaminants identified			N/A
			Inhalation of soil vapours	No potential contaminants identified			N/A
			Inhalation of soil gases/ Risk of explosion	Yes	P1: Very Low	C3: Moderate	Low
	End Users (via Water Supply Pipework)		Contamination of incoming services	No potential contaminants identified			N/A
	Controlled Waters		Migration to groundwater	No contaminants likely to impact groundwater identified			N/A

APPENDIX D

Groundsure Enviro+Geo Insight Report
Historical Maps

FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ

Order Details

Date: 23/06/2026
Your ref: P17848
Our Ref: GS-5CO-GDR-VLF-XLP

Site Details

Location: 536393 136377
Area: 8.36 ha
Authority: [Mid Sussex District Council](#) ↗

Site plan



Quick Links

[Summary of findings](#) [p. 2](#) >
[OS MasterMap site plan](#) [p.14](#) >
[Aerial image](#) [p. 9](#) >

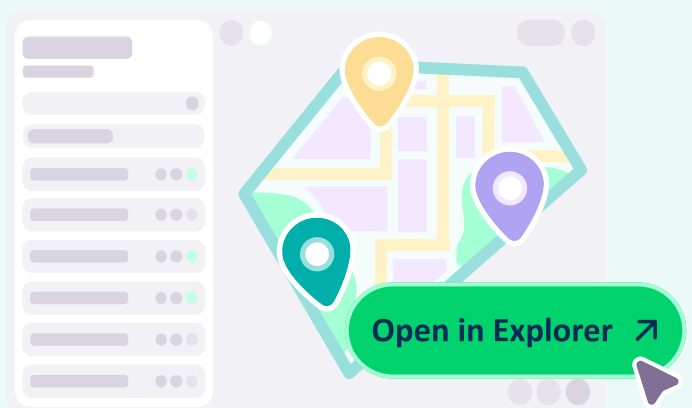
[Insight User Guide](#) ↗

Open this site in Explorer!

Access the data now in our interactive workspace.

- Map and interpret 130+ datasets across 170 years
- Generate insights and visuals quickly
- Revisit and collaborate with your team

Access to Groundsure Explorer requires an Insights account.
12 months access begins at purchase.



Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	7	1	6	17	-
17 >	1.2 >	Historical tanks >	0	0	1	2	-
17	1.3	Historical energy features	0	0	0	0	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
19 >	2.1 >	Historical industrial land uses >	7	1	7	22	-
21 >	2.2 >	Historical tanks >	0	0	1	4	-
21	2.3	Historical energy features	0	0	0	0	-
22	2.4	Historical petrol stations	0	0	0	0	-
22	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
24 >	3.7 >	Waste exemptions >	0	0	20	27	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
29	4.1	Recent industrial land uses	0	0	0	-	-
29	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
30	4.3	Current or recent petrol stations	0	0	0	0	-
30	4.4	Electricity cables	0	0	0	0	-
30	4.5	Gas pipelines	0	0	0	0	-



30	4.6	Sites determined as Contaminated Land	0	0	0	0	-
30	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
31	4.8	Regulated explosive sites	0	0	0	0	-
31	4.9	Hazardous substance storage/usage	0	0	0	0	-
31	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
31	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
31	4.12	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
32	4.13	Radioactive Substance Authorisations	0	0	0	0	-
32 >	4.14 >	<u>Licensed Discharges to controlled waters</u> >	0	1	2	1	-
33	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
33	4.16	Pollutant release to public sewer	0	0	0	0	-
33	4.17	List 1 Dangerous Substances	0	0	0	0	-
33	4.18	List 2 Dangerous Substances	0	0	0	0	-
33 >	4.19 >	<u>Pollution Incidents (EA/NRW)</u> >	0	0	2	0	-
34	4.20	Pollution inventory substances	0	0	0	0	-
34	4.21	Pollution inventory waste transfers	0	0	0	0	-
34	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology</u> >	On site	0-50m	50-250m	250-500m	500-2000m
35 >	5.1 >	<u>Superficial aquifer</u> >	Identified (within 500m)				
36 >	5.2 >	<u>Bedrock aquifer</u> >	Identified (within 500m)				
38 >	5.3 >	<u>Groundwater vulnerability</u> >	Identified (within 50m)				
39	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
40	5.5	Groundwater vulnerability- local information	None (within 0m)				
41 >	5.6 >	<u>Groundwater abstractions</u> >	0	0	0	0	1
42 >	5.7 >	<u>Surface water abstractions</u> >	0	0	0	0	1
42	5.8	Potable abstractions	0	0	0	0	0
43	5.9	Source Protection Zones	0	0	0	0	-
43	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology</u> >	On site	0-50m	50-250m	250-500m	500-2000m

44 >	6.1 >	Water Network (OS NGD) >	4	5	20	-	-
47 >	6.2 >	Surface water features >	1	3	10	-	-
47 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
48 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
48 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
49 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
50	7.2	Historical Flood Events	0	0	0	-	-
50	7.3	Flood Defences	0	0	0	-	-
50	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
50	7.5	Flood Storage Areas	0	0	0	-	-
51 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
52 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
53 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
55 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
56	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
57	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
57	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
57	10.4	Special Protection Areas (SPA)	0	0	0	0	0
57	10.5	National Nature Reserves (NNR)	0	0	0	0	0
58	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
58 >	10.7 >	Designated Ancient Woodland >	1	3	4	8	98
62	10.8	Biosphere Reserves	0	0	0	0	0
62	10.9	Forest Parks	0	0	0	0	0
63	10.10	Marine Conservation Zones	0	0	0	0	0
63	10.11	Green Belt	0	0	0	0	0



63	10.12	Proposed Ramsar sites	0	0	0	0	0
63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
63	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
64	10.15	Nitrate Sensitive Areas	0	0	0	0	0
64 >	10.16 >	Nitrate Vulnerable Zones >	2	0	2	0	1
65 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
66	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
67	11.1	World Heritage Sites	0	0	0	-	-
68 >	11.2 >	Area of Outstanding Natural Beauty >	0	1	0	-	-
68	11.3	National Parks	0	0	0	-	-
68 >	11.4 >	Listed Buildings >	0	0	1	-	-
69	11.5	Conservation Areas	0	0	0	-	-
69	11.6	Scheduled Ancient Monuments	0	0	0	-	-
69	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	12.1 >	Agricultural Land Classification >	Grade 4 (within 250m)				
71	12.2	Open Access Land	0	0	0	-	-
71 >	12.3 >	Tree Felling Licences >	0	1	0	-	-
71 >	12.4 >	Environmental Stewardship Schemes >	0	0	1	-	-
72 >	12.5 >	Countryside Stewardship Schemes >	1	0	4	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
73 >	13.1 >	Priority Habitat Inventory >	4	7	8	-	-
74	13.2	Habitat Networks	0	0	0	-	-
74	13.3	Open Mosaic Habitat	0	0	0	-	-
75	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
76 >	14.1 >	10k Availability >	Identified (within 500m)				
77	14.2	Artificial and made ground (10k)	0	0	0	0	-

78 >	14.3 >	Superficial geology (10k) >	1	0	0	3	-
79	14.4	Landslip (10k)	0	0	0	0	-
80 >	14.5 >	Bedrock geology (10k) >	3	0	4	13	-
81 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	1	4	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
83 >	15.1 >	50k Availability >	Identified (within 500m)				
84	15.2	Artificial and made ground (50k)	0	0	0	0	-
84	15.3	Artificial ground permeability (50k)	0	0	-	-	-
85 >	15.4 >	Superficial geology (50k) >	1	0	0	1	-
86 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
86	15.6	Landslip (50k)	0	0	0	0	-
86	15.7	Landslip permeability (50k)	None (within 50m)				
87 >	15.8 >	Bedrock geology (50k) >	3	0	3	11	-
88 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
89 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	1	8	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
90 >	16.1 >	BGS Boreholes >	0	0	4	-	-
Page	Section	Natural ground subsidence >					
92 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
93 >	17.2 >	Running sands >	Low (within 50m)				
95 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
97 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
98 >	17.5 >	Landslides >	Very low (within 50m)				
99 >	17.6 >	Ground dissolution of soluble rocks >	Negligible (within 50m)				
Page	Section	Mining and ground workings >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	18.1 >	BritPits >	2	1	2	11	-
106 >	18.2 >	Surface ground workings >	7	0	3	-	-
106	18.3	Underground workings	0	0	0	0	0
106	18.4	Underground mining extents	0	0	0	0	-



107	18.5	Historical Mineral Planning Areas	0	0	0	0	-
107 >	18.6 >	Non-coal mining >	0	0	0	1	2
107	18.7	JPB mining areas	None (within 0m)				
108	18.8	The Coal Authority non-coal mining	0	0	0	0	-
108	18.9	Researched mining	0	0	0	0	-
108	18.10	Mining record office plans	0	0	0	0	-
108	18.11	BGS mine plans	0	0	0	0	-
109	18.12	Coal mining	None (within 0m)				
109	18.13	Brine areas	None (within 0m)				
109	18.14	Gypsum areas	None (within 0m)				
109	18.15	Tin mining	None (within 0m)				
109	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
110	19.1	Natural cavities	0	0	0	0	-
110	19.2	Mining cavities	0	0	0	0	0
110	19.3	Reported recent incidents	0	0	0	0	-
110	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
112 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
114 >	21.1 >	BGS Estimated Background Soil Chemistry >	12	3	-	-	-
115	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
115	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
116	22.1	Underground railways (London)	0	0	0	-	-
116	22.2	Underground railways (Non-London)	0	0	0	-	-
116	22.3	Railway tunnels	0	0	0	-	-
116	22.4	Historical railway and tunnel features	0	0	0	-	-
116	22.5	Royal Mail tunnels	0	0	0	-	-

117	22.6	Historical railways	0	0	0	-	-
117	22.7	Railways	0	0	0	-	-
117	22.8	Crossrail 2	0	0	0	0	-
117	22.9	HS2	0	0	0	0	-



Recent aerial photograph



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Capture Date: 24/04/2021

Site Area: 8.36ha



Recent site history - 2018 aerial photograph



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Capture Date: 08/05/2018

Site Area: 8.36ha



Recent site history - 2012 aerial photograph



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Capture Date: 31/08/2012

Site Area: 8.36ha



Recent site history - 2005 aerial photograph



Capture Date: 28/08/2005

Site Area: 8.36ha



Recent site history - 1999 aerial photograph



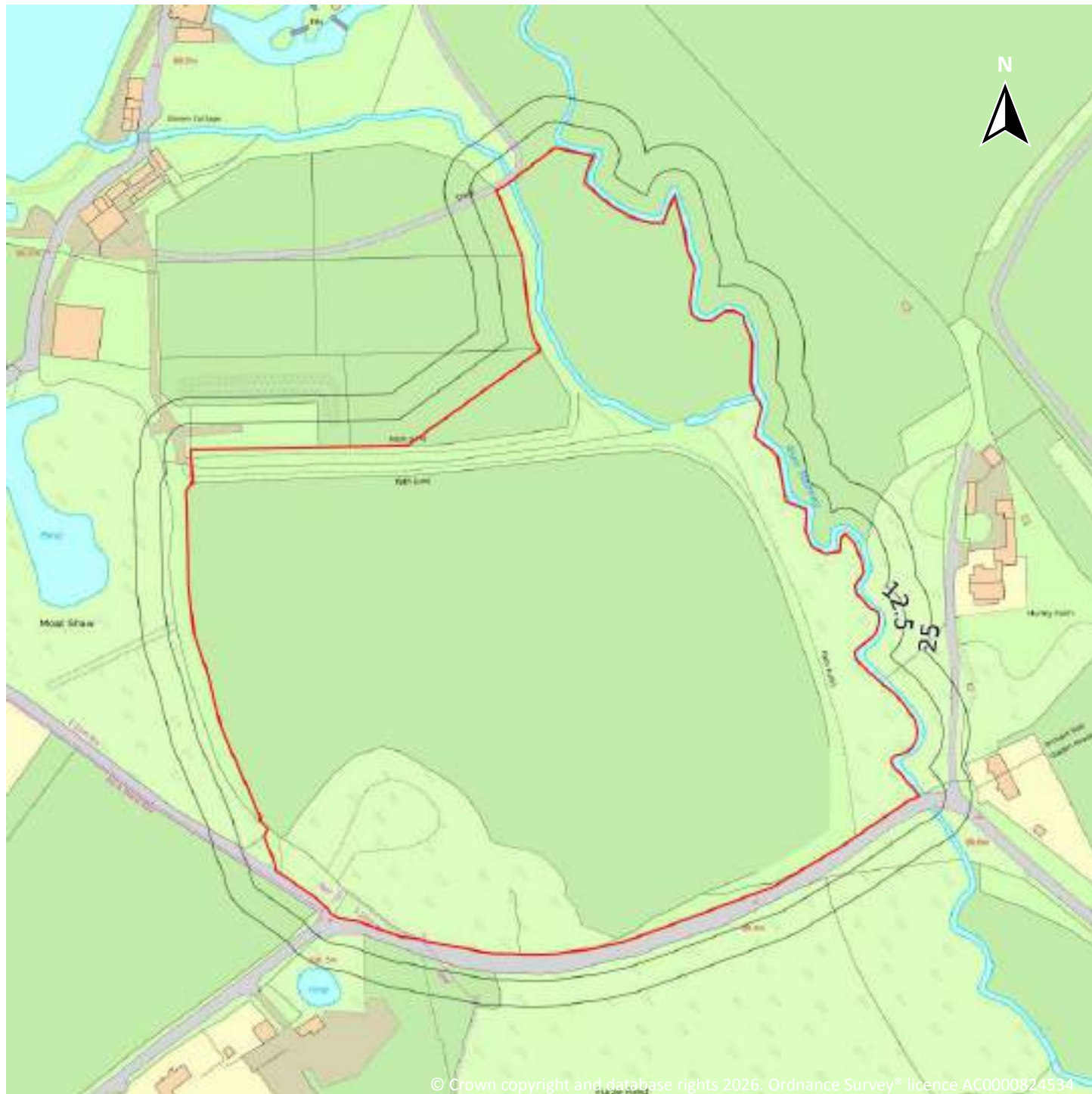
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Capture Date: 04/09/1999

Site Area: 8.36ha



OS MasterMap site plan



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Site Area: 8.36ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

31

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 15 >](#)

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Quarry	1895	2185293



ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Pit	1975	2212142
A	On site	Unspecified Pit	1874	2213318
A	On site	Unspecified Pit	1948	2251225
A	On site	Unspecified Pit	1963	2284887
A	On site	Unspecified Pit	1912	2295543
A	On site	Unspecified Pit	1912	2300021
1	44m E	Pump House	1895	2199833
B	136m NW	Unspecified Mill	1963 - 1975	2280049
B	148m W	Corn Mill	1874	2161125
B	149m N	Unspecified Mill	1895	2213308
B	149m N	Unspecified Mill	1948	2276089
C	156m NW	Mill Pond	1895	2161056
B	157m N	Unspecified Mill	1912	2213821
D	286m S	Unspecified Pit	1948	2176190
D	286m S	Unspecified Quarry	1895	2185294
E	366m E	Cuttings	1912 - 1948	2213344
3	367m W	Mill Pond	1874 - 1895	2256240
E	398m E	Cuttings	1895	2238073
F	423m SE	Nursery	1963 - 1975	2209819
E	425m E	Cuttings	1963 - 1975	2319632
F	426m SE	Nursery	1912	2322233
G	431m E	Unspecified Pit	1912	2204624
G	432m E	Unspecified Pit	1948	2264688
G	436m E	Old Gravel Pit	1895	2184736
H	440m SE	Railway Sidings	1963	2245861
H	440m SE	Railway Sidings	1912	2315631
I	446m E	Unspecified Tank	1948	2191055
H	449m SE	Railway Sidings	1895	2273504



ID	Location	Land use	Dates present	Group ID
H	449m SE	Railway Sidings	1948	2327968
H	458m S	Sawmill	1912 - 1948	2227340

This data is sourced from Ordnance Survey® / Groundsure.

1.2 Historical tanks

Records within 500m

3

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

Features are displayed on the Past land use map on [page 15 >](#)

ID	Location	Land use	Dates present	Group ID
C	204m NW	Unspecified Tank	1975	393564
2	305m E	Tanks	1975 - 1998	421781
I	443m E	Unspecified Tank	1910	393559

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
- Historical tanks

2.1 Historical industrial land uses

Records within 500m

37

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

Features are displayed on the Past land use - un-grouped map on [page 19](#) >

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Quarry	1895	2185293
A	On site	Unspecified Pit	1948	2251225
A	On site	Unspecified Pit	1874	2213318



ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Pit	1975	2212142
A	On site	Unspecified Pit	1963	2284887
A	On site	Unspecified Pit	1912	2295543
A	On site	Unspecified Pit	1912	2300021
1	44m E	Pump House	1895	2199833
B	136m NW	Unspecified Mill	1975	2280049
B	136m NW	Unspecified Mill	1963	2280049
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B	149m N	Unspecified Mill	1948	2276089
B	149m N	Unspecified Mill	1895	2213308
C	156m NW	Mill Pond	1895	2161056
B	157m N	Unspecified Mill	1912	2213821
D	286m S	Unspecified Quarry	1895	2185294
D	286m S	Unspecified Pit	1948	2176190
F	366m E	Cuttings	1912	2213344
G	367m W	Mill Pond	1874	2256240
F	370m E	Cuttings	1948	2213344
G	372m W	Mill Pond	1895	2256240
F	398m E	Cuttings	1895	2238073
H	423m SE	Nursery	1975	2209819
H	423m SE	Nursery	1963	2209819
F	425m E	Cuttings	1975	2319632
F	425m E	Cuttings	1963	2319632
H	426m SE	Nursery	1912	2322233
I	431m E	Unspecified Pit	1912	2204624
I	431m E	Unspecified Pit	1912	2204624
I	432m E	Unspecified Pit	1948	2264688
I	436m E	Old Gravel Pit	1895	2184736



ID	Location	Land Use	Date	Group ID
J	440m SE	Railway Sidings	1963	2245861
J	440m SE	Railway Sidings	1912	2315631
K	446m E	Unspecified Tank	1948	2191055
J	449m SE	Railway Sidings	1948	2327968
J	449m SE	Railway Sidings	1895	2273504
2	458m S	Sawmill	1948	2227340

This data is sourced from Ordnance Survey® / Groundsure.

2.2 Historical tanks

Records within 500m

5

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

Features are displayed on the Past land use - un-grouped map on [page 19 >](#)

ID	Location	Land Use	Date	Group ID
C	204m NW	Unspecified Tank	1975	393564
E	305m E	Tanks	1998	421781
E	305m E	Tanks	1993	421781
E	305m E	Tanks	1975	421781
K	443m E	Unspecified Tank	1910	393559

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

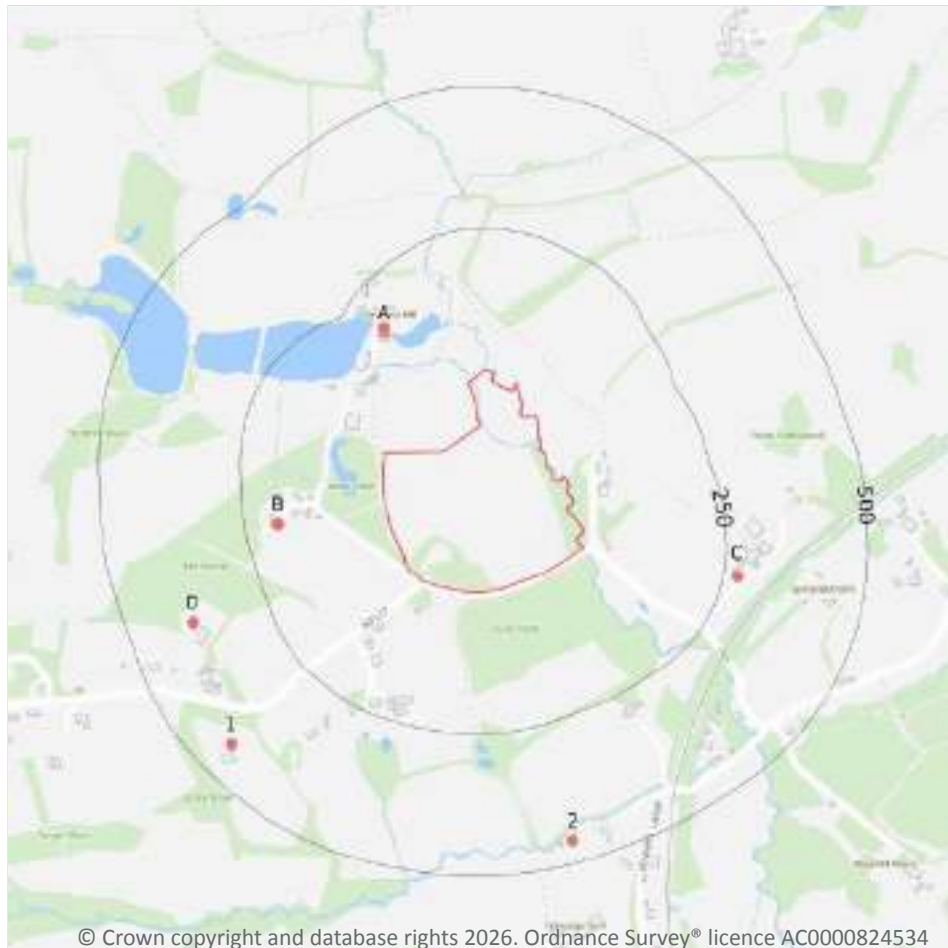
Records within 500m**0**

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)
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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**0**

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.

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**0**

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

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

3.7 Waste exemptions

Records within 500m**47**

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

Features are displayed on the Waste and landfill map on [page 23 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX163109	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit



ID	Location	Site	Reference	Category	Sub-Category	Description
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX163109	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX003192	Using waste exemption	Not on a farm	Use of waste in construction
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX003192	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX003192	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX298231	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX298231	Using waste exemption	Not on a farm	Use of waste in construction
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX298231	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX298231	Using waste exemption	Not on a farm	Spreading waste on agricultural land to confer benefit
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX163109	Using waste exemption	Not on a farm	Use of waste in construction
A	171m NW	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX163109	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
A	175m NW	Fen Place Mill East Street Crawley West Sussex Rh10 4qq	EPR/QH0717Y G/A001	Disposing of waste exemption	Both agricultural and non-agricultural waste	Deposit of waste from dredging of inland waters
A	175m NW	Fen Place Mill East Street Crawley West Sussex Rh10 4qq	EPR/QH0717Y G/A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising



ID	Location	Site	Reference	Category	Sub-Category	Description
A	175m NW	Fen Place Mill East Street Crawley West Sussex Rh10 4qq	EPR/QH0717Y G/A001	Using waste exemption	Both agricultural and non- agricultural waste	Use of waste in construction
A	175m NW	Fen Place Mill East Street Crawley West Sussex Rh10 4qq	EPR/QH0717Y G/A001	Disposing of waste exemption	Both agricultural and non- agricultural waste	Burning waste in the open
A	175m NW	Fen Place Mill East Street Crawley West Sussex Rh10 4qq	EPR/QH0717Y G/A001	Using waste exemption	Both agricultural and non- agricultural waste	Spreading waste on agricultural land to confer benefit
B	192m W	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX485672	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	192m W	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX485672	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	192m W	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX485672	Disposing of waste exemption	On a farm	Burning waste in the open
B	192m W	Fen Place Mill, East Street, Turners Hill, Crawley, Rh10 4qq	WEX485672	Using waste exemption	On a farm	Use of waste in construction
C	272m E	Ashlea Farm Turners Hill Road East Grinstead West Sussex Rh19 4lb	EPR/BH0272K C/A001	Using waste exemption	Agricultural waste only	Spreading of plant matter to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX444463	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX444463	Storing waste exemption	On a farm	Storage of waste in secure containers
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX444463	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX444463	Disposing of waste exemption	On a farm	Burning waste in the open



ID	Location	Site	Reference	Category	Sub-Category	Description
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX444463	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX444463	Using waste exemption	On a farm	Incorporation of ash into soil
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX019659	Storing waste exemption	On a farm	Storage of waste in secure containers
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX019659	Disposing of waste exemption	On a farm	Disposal by incineration
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX019659	Disposing of waste exemption	On a farm	Burning waste in the open
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX176888	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX176888	Disposing of waste exemption	On a farm	Burning waste in the open
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX307978	Disposing of waste exemption	On a farm	Burning waste in the open
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX307978	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX307978	Storing waste exemption	On a farm	Storage of waste in secure containers
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX307978	Using waste exemption	On a farm	Incorporation of ash into soil
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX307978	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX307978	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance

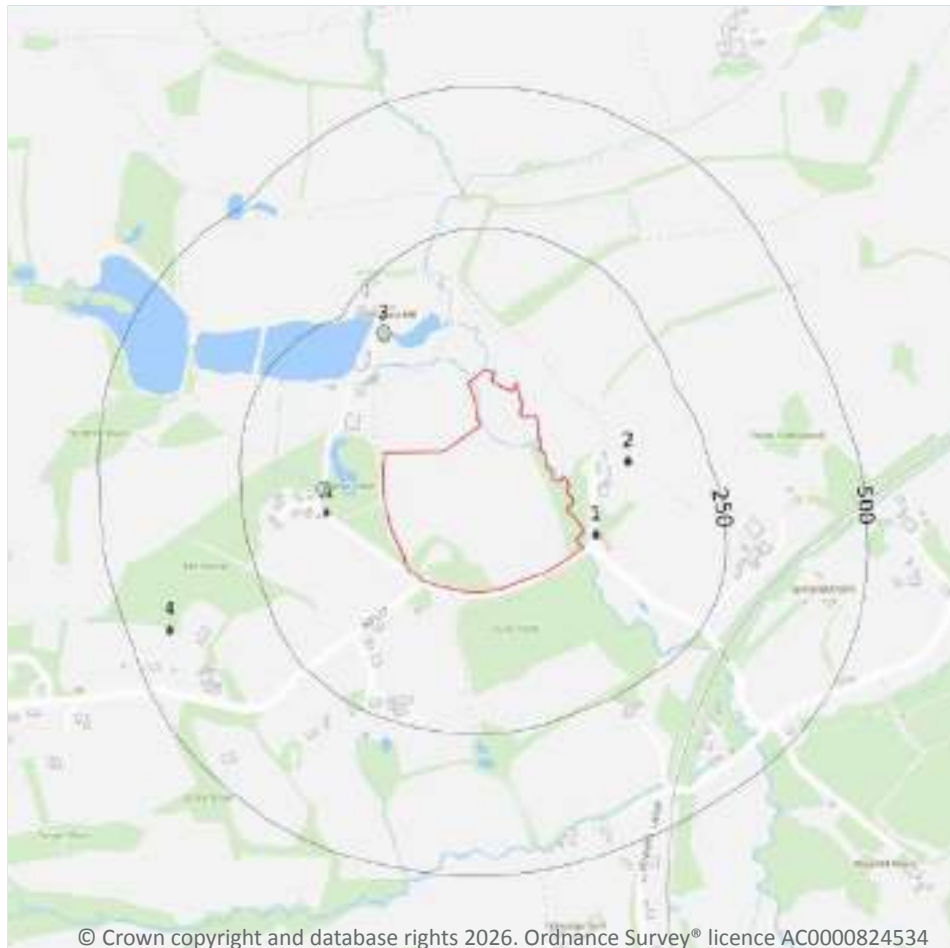


ID	Location	Site	Reference	Category	Sub-Category	Description
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX176888	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX176888	Storing waste exemption	On a farm	Storage of waste in secure containers
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX176888	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
C	274m E	Ashlea Farm, Turners Hill Road, East Grinstead, Rh19 4lb	WEX176888	Using waste exemption	On a farm	Incorporation of ash into soil
D	387m SW	-	WEX228360	Disposing of waste exemption	Not on a farm	Burning waste in the open
D	387m SW	-	WEX228360	Storing waste exemption	Not on a farm	Storage of waste in secure containers
D	387m SW	-	WEX228360	Storing waste exemption	Not on a farm	Storage of waste in a secure place
1	438m SW	Fenland Farm Fields, East Street, Turners Hill, West Sussex, Rh10 4qq	WEX091991	Using waste exemption	On a farm	Use of waste in construction
2	461m S	Kings Place, Vowels Lane, Kingscote, East Grinstead, Rh19 4ld	WEX119775	Using waste exemption	Not on a farm	Use of waste in construction

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

0

Current potentially contaminative industrial sites.

This data is sourced from Ordnance Survey®.

4.2 National Geographic Database (NGD) - Current or recent tanks

Records within 250m

0

Current or recent tanks identified from the Ordnance Survey® NGD.

This data is sourced from Ordnance Survey®.

4.3 Current or recent petrol stations

Records within 500m**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 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.

4.7 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.

4.8 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.

4.9 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.

4.10 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.

4.11 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

4.12 Licensed pollutant release (Part A(2)/B)

Records within 500m

0

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.

This data is sourced from Local Authority records.

4.13 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.

4.14 Licensed Discharges to controlled waters

Records within 500m

4

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 29](#) >

ID	Location	Address	Details	
1	22m E	ORCHARDSIDE COTTAGE, TURNERS HILL ROAD, EAST GRINSTEAD, RH19 4LB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRSB3290WX Permit Version: 1 Receiving Water: TRIBUTARY OF RIVER MEDWAY	Status: NEW ISSUED UNDER EPR 2010 Issue date: 25/08/2020 Effective Date: 25/08/2020 Revocation Date: -
A	103m W	MILLWOOD YARD, MILLWOOD YARD, TURNERS HILL LANE, TURNERS HILL, WEST SUSSEX, RH10	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P01738 Permit Version: 1 Receiving Water: THE RIVER MEDWAY	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 01/09/1988 Effective Date: 01/09/1988 Revocation Date: -
2	113m E	GLADEN COTTAGE, GLADEN COTTAGE, KINGSCOTE, TURNERS HILL ROAD, EAST GRINSTEAD, WEST SUSSEX, RH19 4LB	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P04796 Permit Version: 1 Receiving Water: INTO LAND	Status: LAPSED UNDER SCHEDULE 23 ENVIRONMENT ACT 1995 Issue date: 02/06/1993 Effective Date: 02/06/1993 Revocation Date: 31/03/1997
4	429m SW	BONAVISTA (STP), EAST STREET, TURNERS HILL, CRAWLEY, WEST SUSSEX, RH10 4QQ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRFB3054TN Permit Version: 1 Receiving Water: TRIB OF RIVER MEDWAY	Status: NEW ISSUED UNDER EPR 2010 Issue date: 27/11/2023 Effective Date: 27/11/2023 Revocation Date: -

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



4.15 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.

4.16 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.

4.17 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.

4.18 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.

4.19 Pollution Incidents (EA/NRW)

Records within 500m**2**

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

Features are displayed on the Current industrial land use map on [page 29 >](#)

ID	Location	Details	
A	104m W	Incident Date: 12/01/2002 Incident Identification: 52017 Pollutant: Sewage Materials Pollutant Description: Other Sewage Material	Water Impact: Category 2 (Significant) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
3	172m NW	Incident Date: 12/01/2002 Incident Identification: 52063 Pollutant: Sewage Materials Pollutant Description: Storm Sewage	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.20 Pollution inventory substances

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

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

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

4.21 Pollution inventory waste transfers

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

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

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

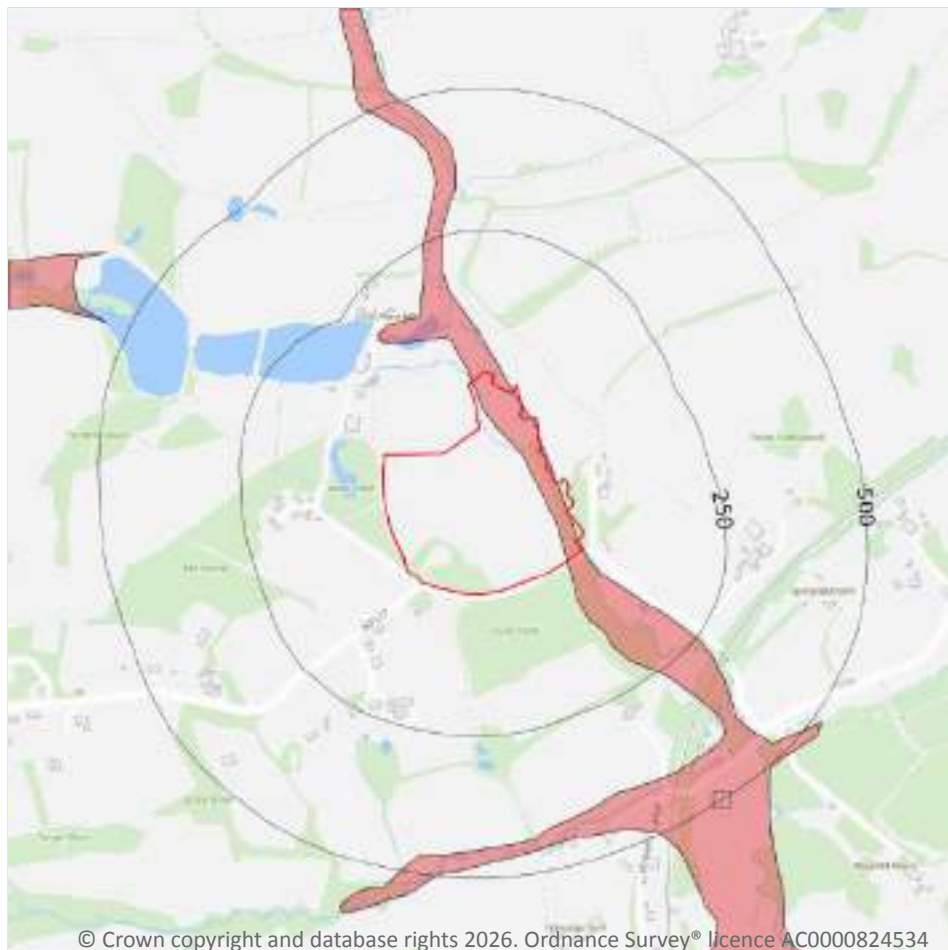
4.22 Pollution inventory radioactive waste

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

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

1

Aquifer status of groundwater held within superficial geology.

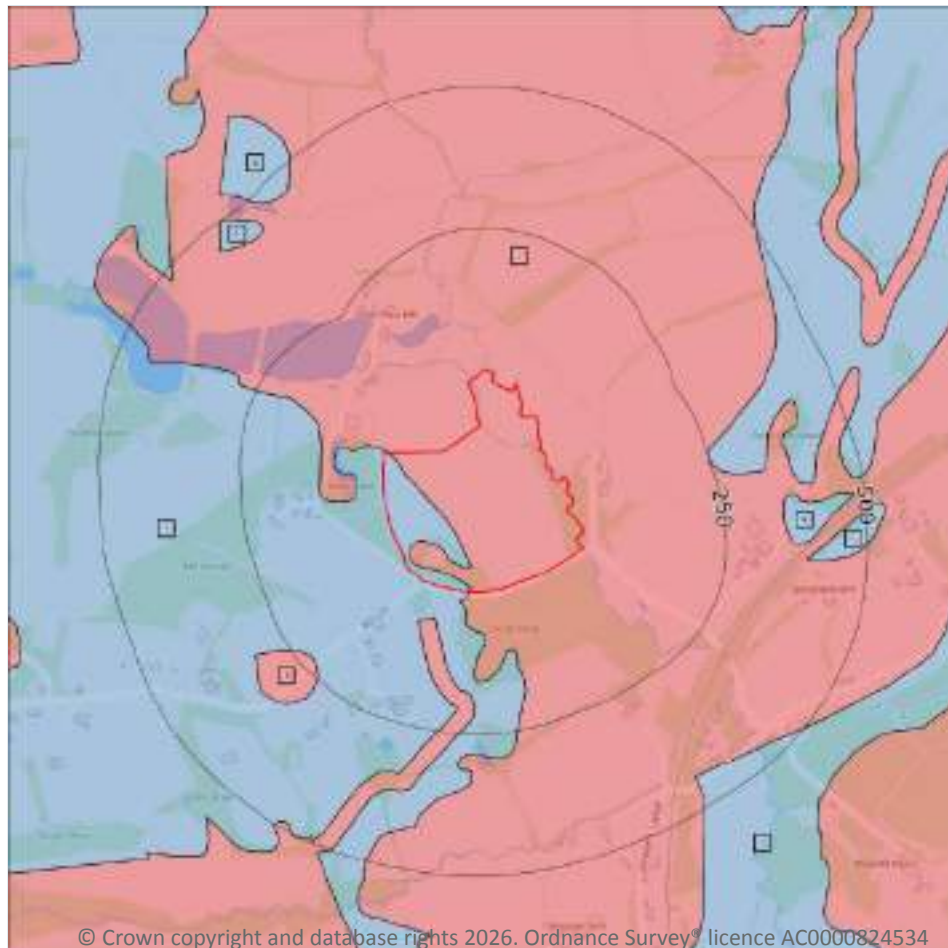
Features are displayed on the Hydrogeology map on [page 35 >](#)

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

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

8

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 36](#) >

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

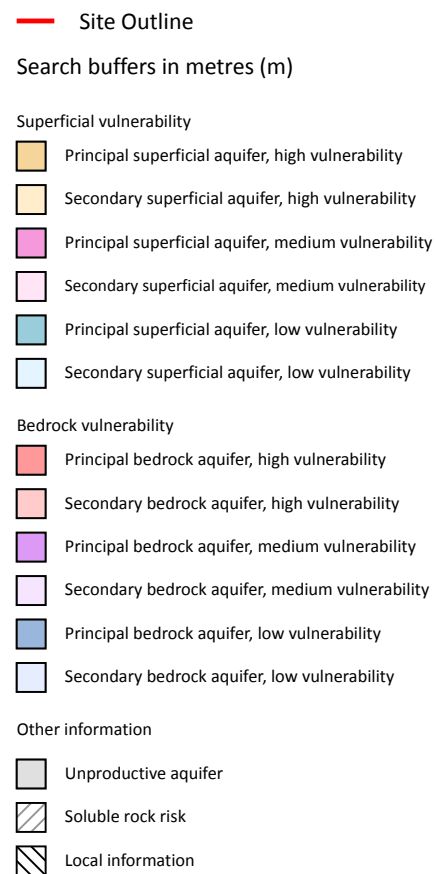
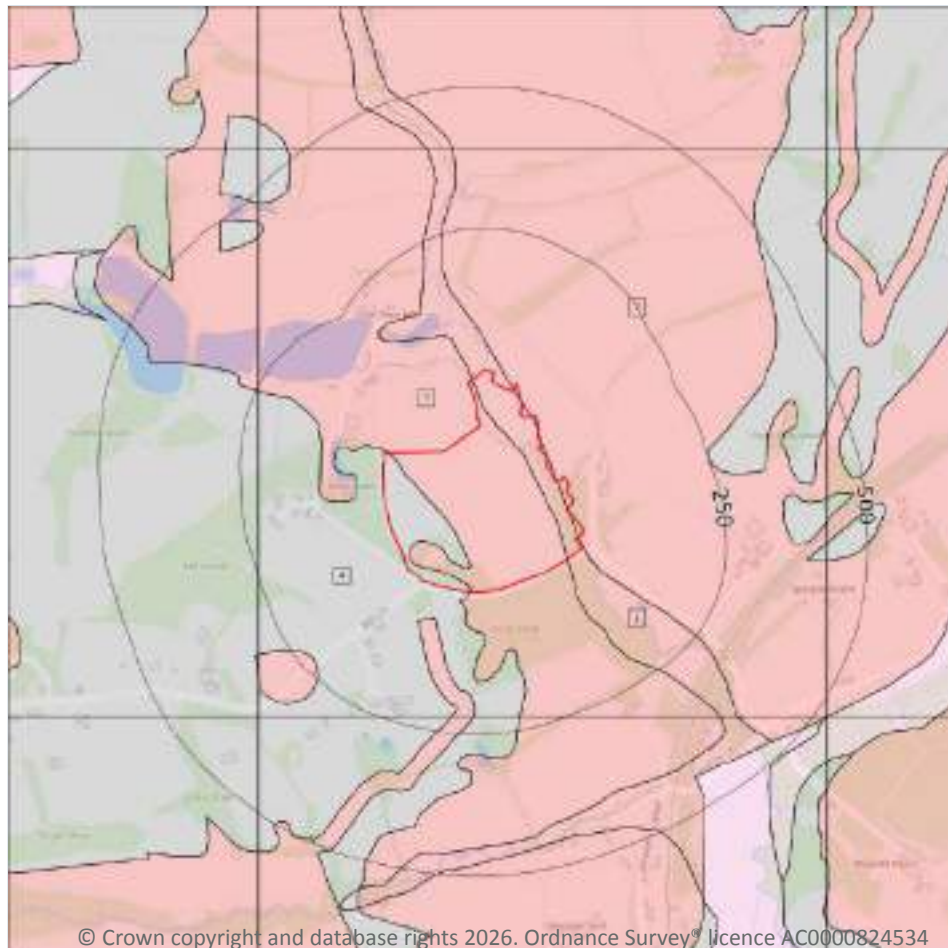


ID	Location	Designation	Description
3	228m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
4	353m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	394m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	439m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	444m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
8	463m NW	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 38](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	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: Intermediate Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
4	On site	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: 40- 70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	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

0

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

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



Abstractions and Source Protection Zones



- 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

1

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 41](#) >

ID	Location	Details	
-	1652m SE	Status: Historical Licence No: 9/40/03/0401/B/GR Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: POINT S, LOWER TUNBRIDGE WELLS SANDS IN EAST GRINSTEAD. Data Type: Point Name: Monge Easting: 537360 Northing: 134840	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 01/11/1999 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	1
-----------------------------	----------

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 41 >](#)

ID	Location	Details	
1	646m E	Status: Historical Licence No: 9/40/03/0009/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: POINT X, WATERCOURSE IN EAST GRINSTEAD. Data Type: Point Name: English Woodland Ltd. Easting: 537170 Northing: 136050	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 01/05/1970 Version End Date: -

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

5.8 Potable abstractions

Records within 2000m	0
-----------------------------	----------

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

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



5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

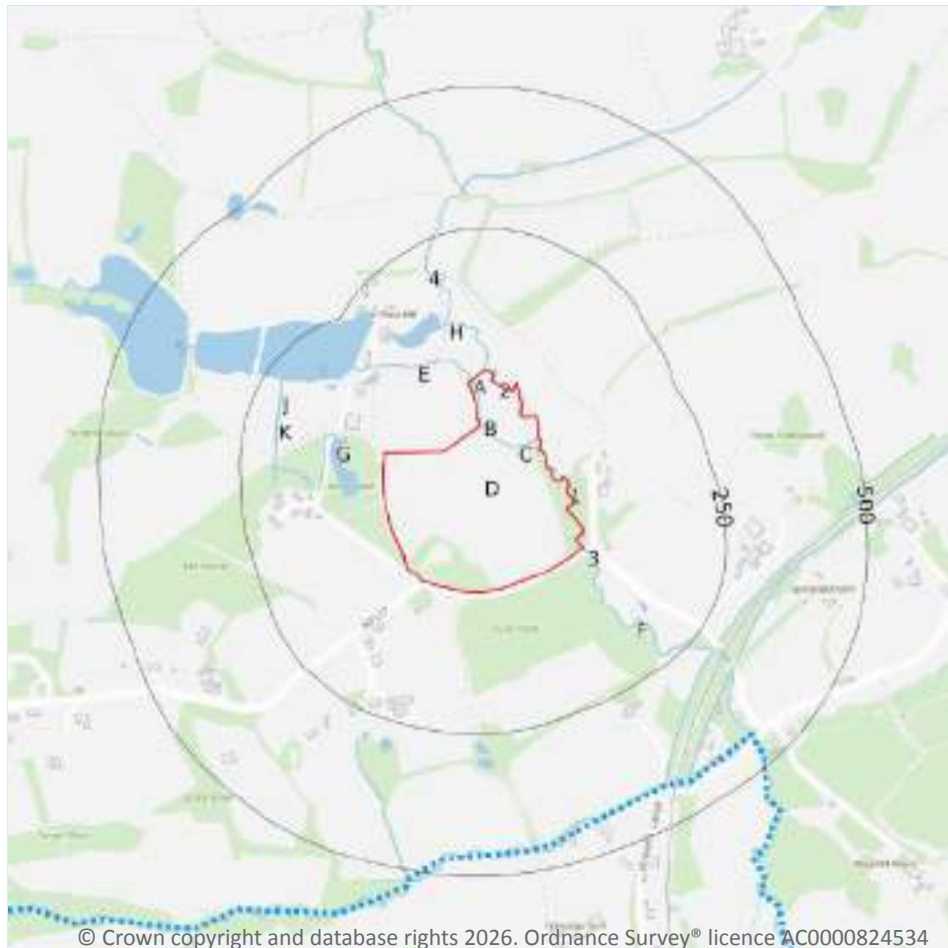
0

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS NGD)
- 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 NGD)

Records within 250m

29

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 44](#) >

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



ID	Location	Type of water feature	Ground level	Permanence	Name
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Medway
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway
1	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway
2	1m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	1m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	River Medway
E	3m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway
F	9m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway
G	87m W	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	89m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	90m NW	Drain. A manmade watercourse for the removal of excess water from an area.	Underground	Watercourse contains water year round (in normal circumstances)	-
4	101m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	101m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
G	103m W	Drain. A manmade watercourse for the removal of excess water from an area.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	103m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	103m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	104m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	125m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	157m N	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway
G	188m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	189m W	Drain. A manmade watercourse for the removal of excess water from an area.	Underground	Watercourse contains water year round (in normal circumstances)	-
K	189m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	189m W	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	209m NW	Drain. A manmade watercourse for the removal of excess water from an area.	Underground	Watercourse contains water year round (in normal circumstances)	-
J	211m NW	Drain. A manmade watercourse for the removal of excess water from an area.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
J	213m NW	Drain. A manmade watercourse for the removal of excess water from an area.	Underground	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
J	215m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
5	241m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	River Medway

This data is sourced from the Ordnance Survey®.

6.2 Surface water features

Records within 250m

14

Covering rivers, streams and lakes (some overlap with OS NGD 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 44 >](#)

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 44 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
D	On site	River	Medway at Weir Wood	GB106040018070	Medway Upper	Medway

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 44](#) >

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
10	430m SE	River	Medway at Weir Wood	GB106040018070 ↗	No longer applicable	Does not require assessment	Moderate	2022

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.

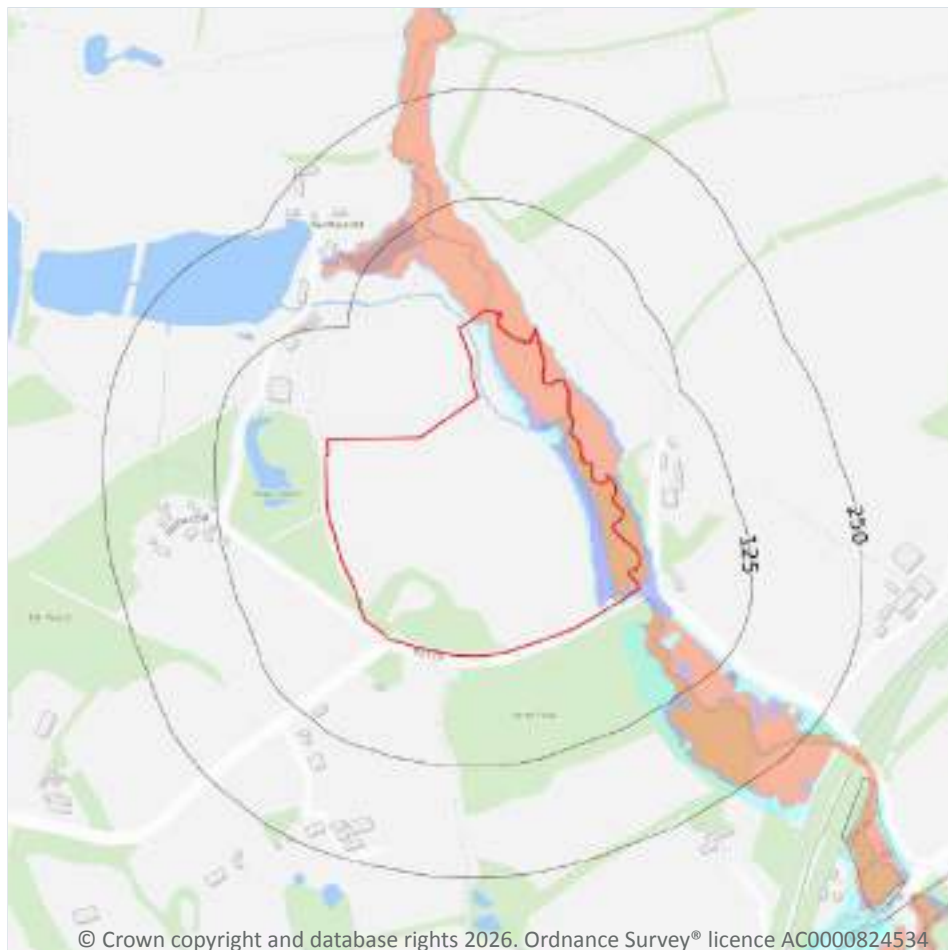
Features are displayed on the Hydrology map on [page 44](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
D	On site	Kent Weald Western - Medway	GB40602G502300 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- River and coastal flooding:
- High
- Medium
- Low
- Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of flooding from rivers and the sea

Records within 50m

5

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).

Features are displayed on the River and coastal flooding map on [page 49 >](#)

Distance	Flood risk category
On site	High
0 - 50m	High

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.

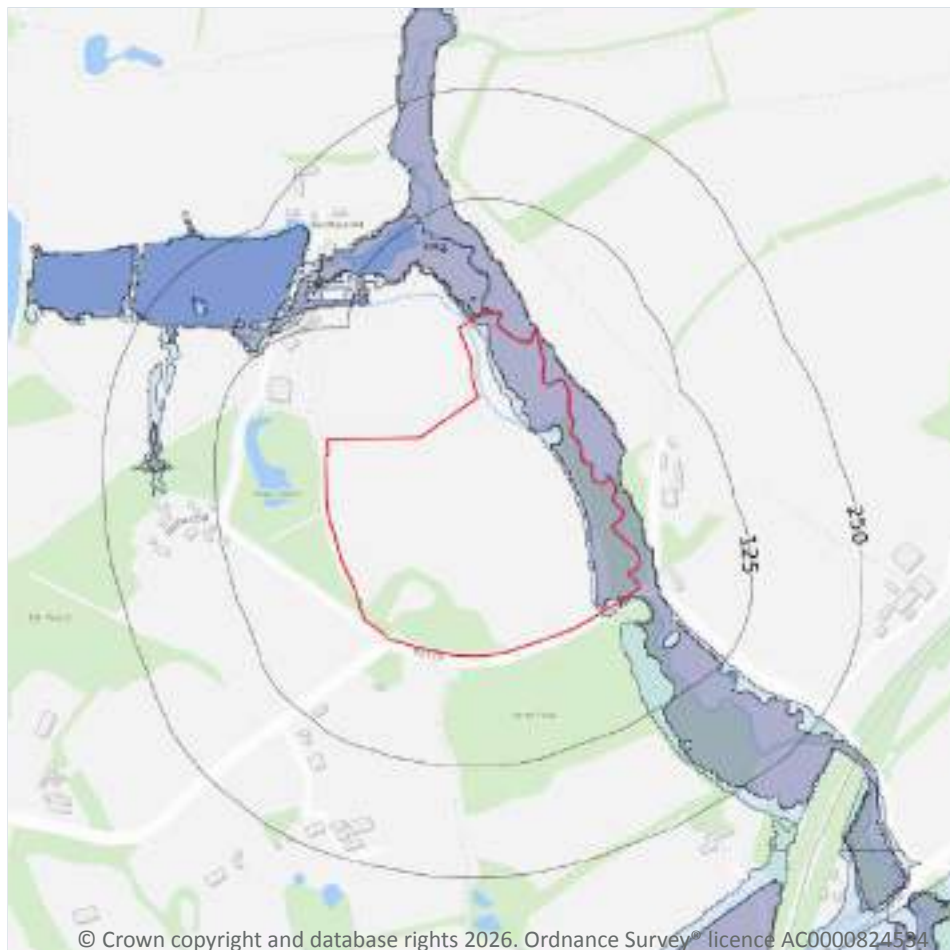
7.5 Flood Storage Areas

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



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

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7.6 Flood Zone 2

Records within 50m

1

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.

Features are displayed on the River and coastal flooding map on [page 49](#) >

Location	Type
On site	Zone 2 - (Fluvial /Tidal Models)

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



7.7 Flood Zone 3

Records within 50m

1

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.

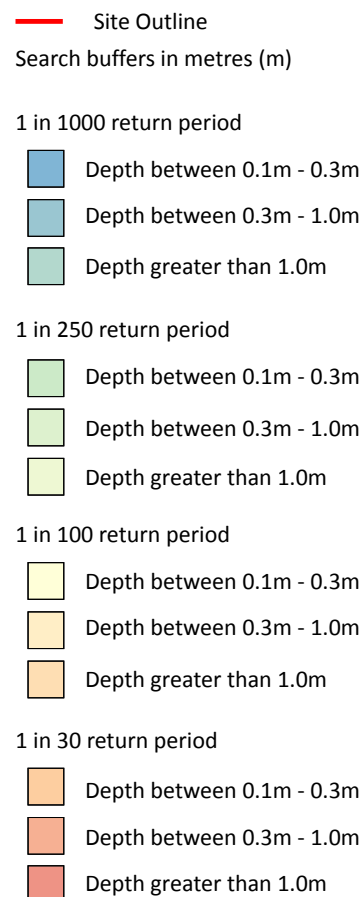
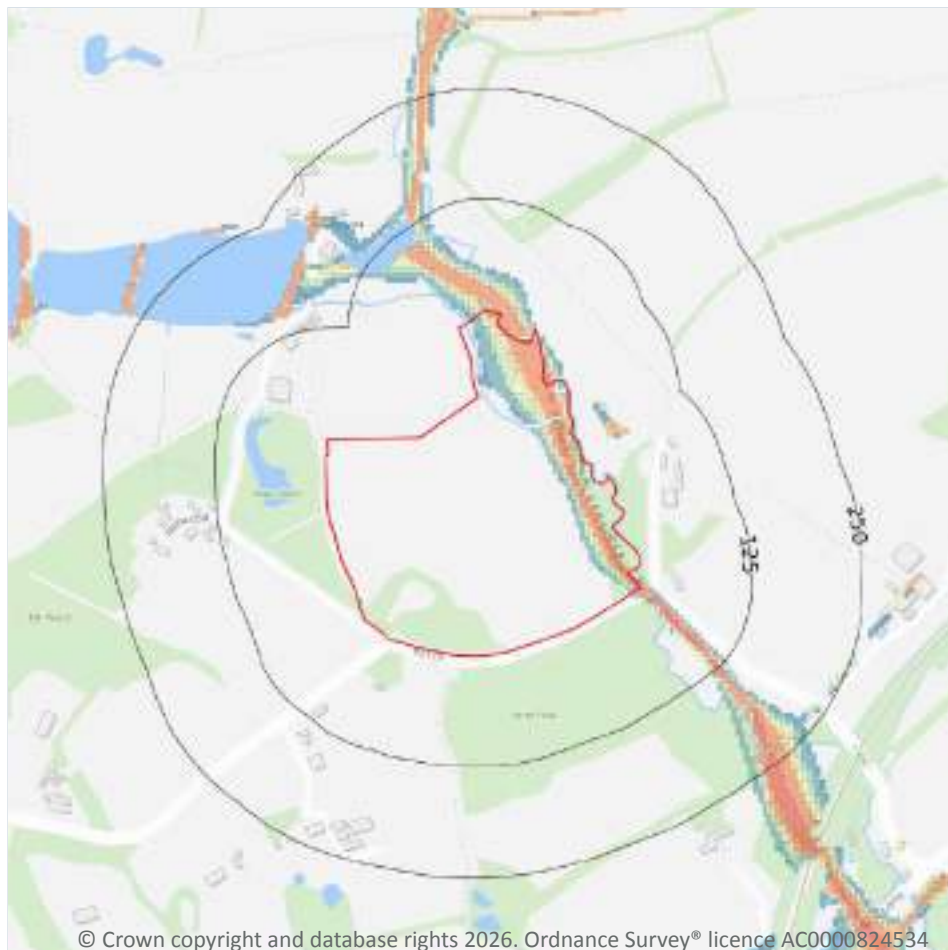
Features are displayed on the River and coastal flooding map on [page 49](#) >

Location	Type
On site	Zone 3 - (Fluvial /Tidal Models)

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, Greater than 1.0m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on [page 53 >](#)

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.

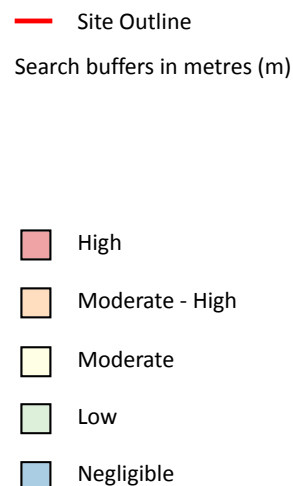
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Greater than 1.0m
1 in 250 year	Greater than 1.0m
1 in 100 year	Greater than 1.0m
1 in 30 year	Greater than 1.0m

This data is sourced from Ambiental Risk Analytics.



9 Groundwater flooding



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 55 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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.

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

114

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 56 >](#)

ID	Location	Name	Woodland Type
1	On site	Hurley Farm Wood	Ancient & Semi-Natural Woodland
2	2m NW	Moat Shaw	Ancient & Semi-Natural Woodland
3	4m SE	Hurley Farm Shaw	Ancient & Semi-Natural Woodland
4	6m SE	Furze Field Shaw	Ancient & Semi-Natural Woodland
5	82m N	Fen Place Mill Shaw	Ancient & Semi-Natural Woodland
6	116m E	Fen Place Mill Shaw2	Ancient & Semi-Natural Woodland
7	125m W	Mill Wood	Ancient & Semi-Natural Woodland
8	225m S	Kingscote Nursery Shaw	Ancient & Semi-Natural Woodland
9	289m W	Pear tree Shaw_E	Ancient & Semi-Natural Woodland
10	346m E	Furze Field Wood	Ancient & Semi-Natural Woodland
11	357m SW	Castle Shaw	Ancient & Semi-Natural Woodland
12	431m E	Ash Lea Farm Shaw	Ancient & Semi-Natural Woodland
13	431m W	Pear tree Shaw	Ancient & Semi-Natural Woodland
14	443m SW	Castle Shaw_S	Ancient & Semi-Natural Woodland
15	457m SE	Ridge Hill_S	Ancient & Semi-Natural Woodland
16	484m S	Five Acre Shaw	Ancient & Semi-Natural Woodland



ID	Location	Name	Woodland Type
17	505m SE	Ridge Hill_N	Ancient & Semi-Natural Woodland
18	632m S	Tickeridge Shaw	Ancient & Semi-Natural Woodland
19	647m SW	Target Shaw	Ancient & Semi-Natural Woodland
20	661m E	Kingsmead Shaw	Ancient Replanted Woodland
21	693m SE	High Larches	Ancient & Semi-Natural Woodland
22	698m N	Gulledge Shaw2	Ancient & Semi-Natural Woodland
23	744m SW	Great Wildgoose Wood	Ancient Replanted Woodland
24	851m NE	Crockshed Wood Ext	Ancient & Semi-Natural Woodland
25	853m NE	Tilkhurst Farm Wood	Ancient & Semi-Natural Woodland
26	861m S	Stone Wood_W	Ancient & Semi-Natural Woodland
27	871m SW	Great Wildgoose Wood	Ancient & Semi-Natural Woodland
28	896m SE	The Rough	Ancient & Semi-Natural Woodland
29	909m S	Minepit Wood	Ancient Replanted Woodland
30	910m NW	Rushetts Wood_S	Ancient & Semi-Natural Woodland
31	917m SE	Woodcock Wood_N	Ancient & Semi-Natural Woodland
32	939m SW	Great Wildgoose Wood	Ancient & Semi-Natural Woodland
33	967m SE	Kingscote Shaw_E	Ancient & Semi-Natural Woodland
34	980m W	Home Wood	Ancient & Semi-Natural Woodland
35	1005m NW	Burleigh House Shaw	Ancient & Semi-Natural Woodland
36	1006m S	Kingscote Shaw	Ancient Replanted Woodland
37	1011m E	The Plantation	Ancient & Semi-Natural Woodland
38	1027m NE	Tilkhurst Farm Shaw2_S	Ancient Replanted Woodland
39	1059m NW	Rushetts Wood	Ancient & Semi-Natural Woodland
40	1061m E	High Wood	Ancient & Semi-Natural Woodland
41	1062m SE	Woodcock Wood_S	Ancient & Semi-Natural Woodland
42	1069m N	French Wood	Ancient & Semi-Natural Woodland
43	1078m SW	Rheedings Shaw_E	Ancient & Semi-Natural Woodland
44	1102m NE	Crockshed Wood	Ancient & Semi-Natural Woodland



ID	Location	Name	Woodland Type
45	1106m NE	Great Wood Ext	Ancient Replanted Woodland
46	1108m W	Great Nobs Wood	Ancient & Semi-Natural Woodland
47	1122m SW	Spring Wood	Ancient & Semi-Natural Woodland
48	1144m SW	Rookery Wood	Ancient & Semi-Natural Woodland
49	1145m SE	Mary Wood	Ancient & Semi-Natural Woodland
50	1165m N	Gulledge Shaw	Ancient & Semi-Natural Woodland
51	1177m SE	Hen Robin Wood	Ancient & Semi-Natural Woodland
52	1210m NE	Tilkhurst Farm Shaw2_Nw	Ancient Replanted Woodland
53	1222m S	Bushy Wood	Ancient Replanted Woodland
54	1252m S	Bushy Wood	Ancient & Semi-Natural Woodland
55	1280m SE	Furnace Pit	Ancient & Semi-Natural Woodland
-	1305m S	Bushy Wood	Ancient Replanted Woodland
57	1314m NE	Great Wood	Ancient Replanted Woodland
-	1317m E	North Wood	Ancient & Semi-Natural Woodland
-	1319m E	The Plantation Ext	Ancient & Semi-Natural Woodland
60	1323m NE	Coles Wood	Ancient Replanted Woodland
-	1329m W	Burleigh Arches Shaw	Ancient & Semi-Natural Woodland
-	1330m N	Gulledge Wood_Sw	Ancient & Semi-Natural Woodland
-	1349m N	Gulledge Wood_W	Ancient & Semi-Natural Woodland
62	1355m SW	Little Wildgoose Wood	Ancient & Semi-Natural Woodland
-	1379m N	Gulledge Wood_Se	Ancient & Semi-Natural Woodland
64	1397m NW	The Larches	Ancient & Semi-Natural Woodland
65	1404m SW	Little Wildgoose Road	Ancient & Semi-Natural Woodland
66	1408m NW	Burleigh Wood	Ancient & Semi-Natural Woodland
-	1432m W	Burleigh Farm Shaw	Ancient & Semi-Natural Woodland
-	1444m N	Railway Shaw	Ancient Replanted Woodland
-	1464m NW	The Larches	Ancient & Semi-Natural Woodland
-	1468m SW	Great Wildgoose Road	Ancient Replanted Woodland



ID	Location	Name	Woodland Type
B	1470m NE	Coles Wood Ext	Ancient & Semi-Natural Woodland
-	1481m W	Burleigh Arches Wood	Ancient & Semi-Natural Woodland
-	1489m S	The Alders	Ancient & Semi-Natural Woodland
-	1489m N	Gulledge Wood	Ancient & Semi-Natural Woodland
-	1497m SW	Great Wildgoose Road	Ancient & Semi-Natural Woodland
-	1515m SW	Great Wildgoose Road	Ancient & Semi-Natural Woodland
75	1524m SE	Cock Robin Wood	Ancient & Semi-Natural Woodland
-	1531m W	Burleigh Quarry Shaw	Ancient & Semi-Natural Woodland
-	1533m E	Rockwood Park	Ancient & Semi-Natural Woodland
-	1547m S	Hastings Wood	Ancient Replanted Woodland
-	1584m SW	Great Wildgoose Road	Ancient & Semi-Natural Woodland
79	1592m NE	Coles Wood Ext2	Ancient & Semi-Natural Woodland
-	1609m W	The Merry Pit	Ancient & Semi-Natural Woodland
-	1611m NE	Coles Wood Ext	Ancient & Semi-Natural Woodland
-	1616m E	Dunnings Wood	Ancient & Semi-Natural Woodland
-	1617m S	Hastings Wood	Ancient & Semi-Natural Woodland
-	1689m S	Warrens Wood	Ancient & Semi-Natural Woodland
-	1690m SE	Beeches Shaw	Ancient & Semi-Natural Woodland
85	1701m NE	Coles Wood	Ancient & Semi-Natural Woodland
86	1716m SW	Coomberdean Shaw_E	Ancient & Semi-Natural Woodland
-	1718m E	Rockwood Park Ext	Ancient & Semi-Natural Woodland
-	1739m E	The Knapp Shaw	Ancient & Semi-Natural Woodland
89	1753m NE	Coles Wood Ext2	Ancient & Semi-Natural Woodland
90	1760m SE	Medway Shaw	Ancient & Semi-Natural Woodland
-	1769m SW	Wildgoose Shaw	Ancient & Semi-Natural Woodland
-	1784m NE	Imberhorne Cottage Shaw	Ancient & Semi-Natural Woodland
-	1790m SW	Coomberdean Wood	Ancient & Semi-Natural Woodland
-	1806m S	Warrens Wood	Ancient Replanted Woodland



ID	Location	Name	Woodland Type
-	1835m S	The Alders_S	Ancient & Semi-Natural Woodland
-	1841m NE	Coles Wood Ext2	Ancient & Semi-Natural Woodland
-	1854m SW	Hawthorn Cottage Shaw	Ancient & Semi-Natural Woodland
-	1857m SE	Medway Shaw_W	Ancient & Semi-Natural Woodland
-	1859m N	Greenfield Shaw	Ancient Replanted Woodland
-	1870m S	Hastings Wood	Ancient Replanted Woodland
-	1896m S	Moatlands	Ancient & Semi-Natural Woodland
-	1909m SW	Duckells Wood	Ancient & Semi-Natural Woodland
-	1918m S	Hastings Wood	Ancient & Semi-Natural Woodland
-	1942m S	Hastings Wood	Ancient & Semi-Natural Woodland
-	1949m W	Warren Wood	Ancient & Semi-Natural Woodland
-	1950m SW	Round Wood	Ancient & Semi-Natural Woodland
-	1971m SE	Stone Hill Rocks	Ancient & Semi-Natural Woodland
-	1978m SE	Pit Shaw	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.



10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

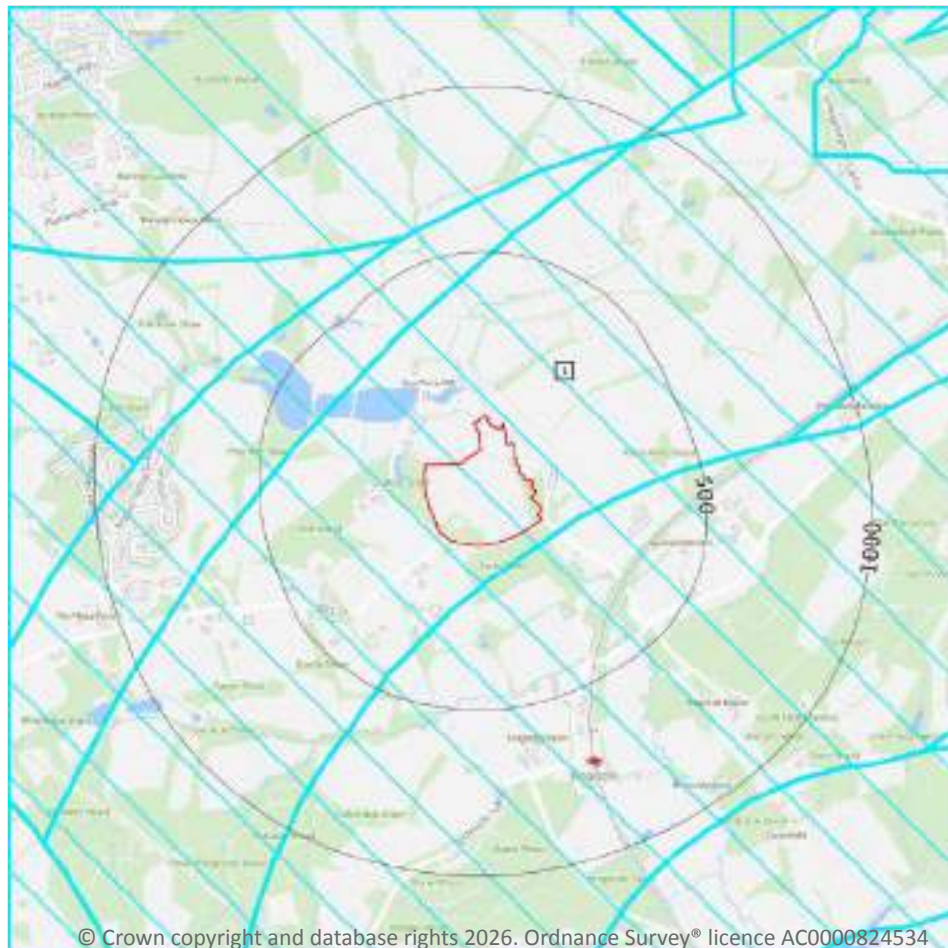
5

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
On site	Medway at Weir Wood NVZ	Surface Water	488	Existing
On site	Weir Wood Reservoir Eutrophic lake NVZ	Eutrophic Water	133	Existing
237m S	Medway at Weir Wood NVZ	Surface Water	488	Existing
237m S	Weir Wood Reservoir Eutrophic lake NVZ	Eutrophic Water	133	Existing
1453m NE	Eden Brook East of Lingfield NVZ	Surface Water	487	Existing

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

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 65 >](#)

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0301000430040&notes=11401&location=536265,136371%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.



10.18 SSSI Units

Records within 2000m

0

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.

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



11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

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

1

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.

Features are displayed on the Visual and cultural designations map on [page 67 >](#)

ID	Location	NAME	Data Source
1	4m SE	High Weald	Natural England

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

1

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

Features are displayed on the Visual and cultural designations map on [page 67 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
2	173m NW	Fen Place Mill And Mill House	II	1249021	28/01/1948

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

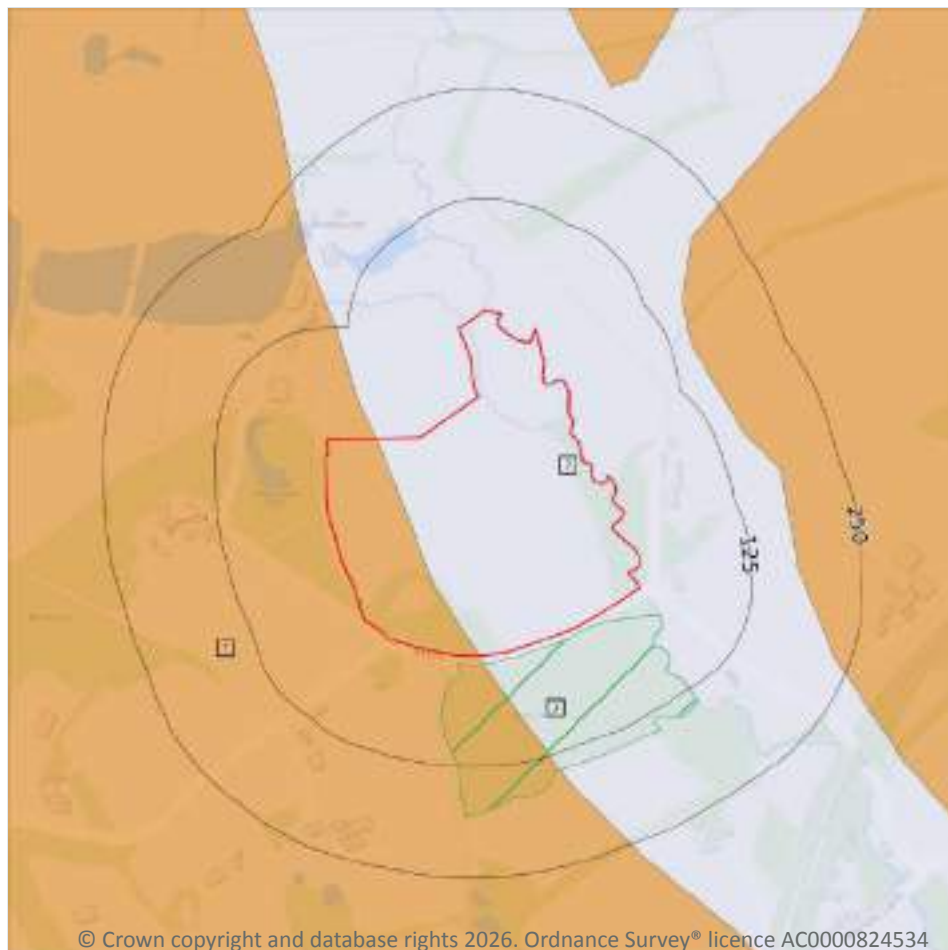
Records within 250m**0**

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

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12.1 Agricultural Land Classification

Records within 250m

2

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

Features are displayed on the Agricultural designations map on [page 70](#) >

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

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

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	0
----------------------------	----------

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

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

12.3 Tree Felling Licences

Records within 250m	1
----------------------------	----------

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 70](#) >

ID	Location	Description	Reference	Application date
3	6m SE	Selective Fell/Thin (Unconditional)	019/506/09-10	23/02/2010

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	1
----------------------------	----------

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

Location	Reference	Scheme	Start Date	End date
52m NE	AG00501814	Entry Level Stewardship	01/10/2013	30/09/2018



This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m

5

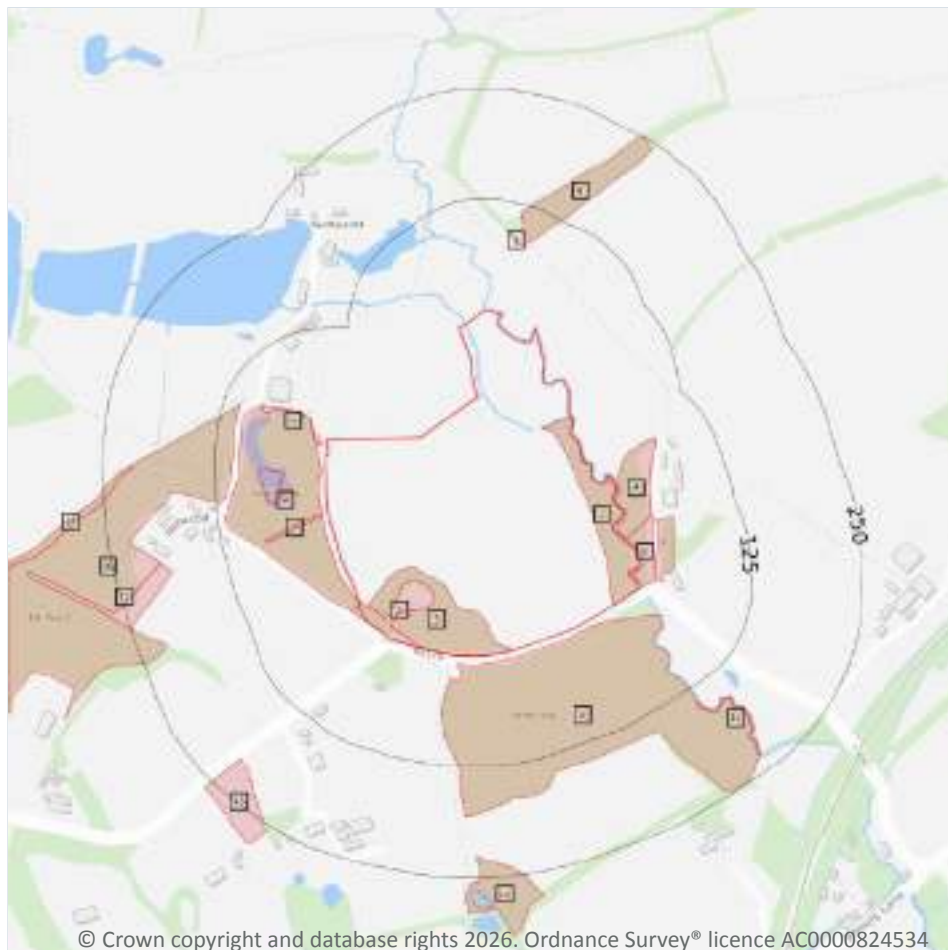
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	78385	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
92m NW	78385	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
189m W	78385	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
210m NW	78385	Countryside Stewardship (Middle Tier)	01/01/2023	31/12/2027
237m NW	78385	Countryside Stewardship (Middle Tier)	01/01/2023	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

19

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 73](#) >

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
4	2m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	2m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	6m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	7m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	8m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	19m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	49m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
8	80m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	83m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	104m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	144m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	186m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	209m SW	Good quality semi-improved grassland	Main habitat: GQSIG (INV > 50%)
14	218m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	225m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.



13.4 Limestone Pavement Orders

Records within 250m

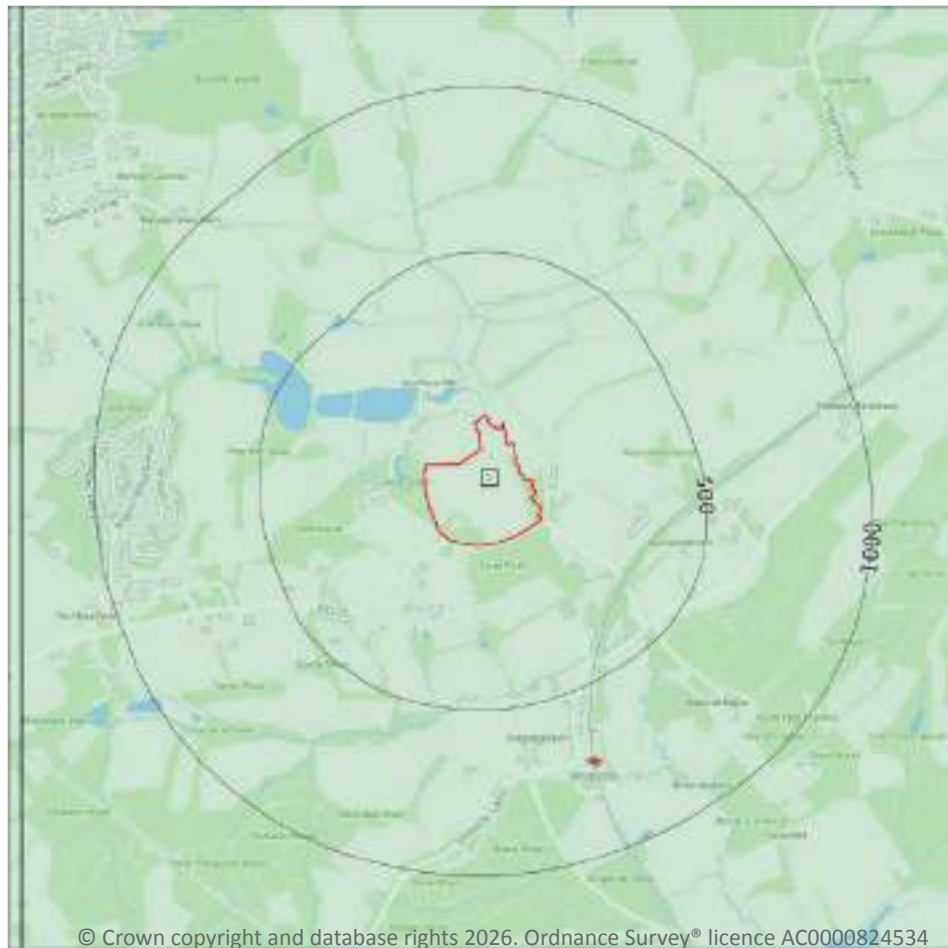
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- 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 76 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	TQ33NE

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



— 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

4

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 78 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel
2	378m W	ALV-XCZSV	Alluvium-Clay, Silt, Sand And Gravel	Clay, silt, sand and gravel
3	484m SE	ME1-XSV	Medway River Terrace Deposits 1-Sand And Gravel	Sand and gravel

ID	Location	LEX Code	Description	Rock description
4	499m SE	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

20

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 80](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
2	On site	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
3	On site	LTW-SDSM	Lower Tunbridge Wells Sand-Sandstone, Siltstone And Mudstone	Valanginian



ID	Location	LEX Code	Description	Rock age
4	58m S	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
5	72m S	CKST-CALSST	Cuckfield Stone Bed-Calcareous Sandstone	Valanginian
6	76m S	UGRC-MDST	Upper Grinstead Clay-Mudstone	Valanginian
8	213m SW	UTW-SLSST	Upper Tunbridge Wells Sand-Silty Sandstone	Valanginian
9	254m S	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
10	264m E	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
11	266m W	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
13	377m E	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
14	411m E	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
15	431m NW	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
16	449m NW	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
17	452m SE	LTW-SDSM	Lower Tunbridge Wells Sand-Sandstone, Siltstone And Mudstone	Valanginian
19	456m SE	WDC-MDST	Wadhurst Clay Formation-Mudstone	Valanginian
21	459m E	CKST-CALSST	Cuckfield Stone Bed-Calcareous Sandstone	Valanginian
23	464m NW	LTW-SDSM	Lower Tunbridge Wells Sand-Sandstone, Siltstone And Mudstone	Valanginian
24	491m S	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
25	496m S	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

5

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 80](#) >



ID	Location	Category	Description
7	123m NW	FAULT	Fault, inferred, displacement unknown
12	266m W	FAULT	Fault, inferred, displacement unknown
18	452m SE	FAULT	Fault, inferred, displacement unknown
20	456m SE	FAULT	Fault, inferred, displacement unknown
22	462m NW	FAULT	Fault, inferred, displacement unknown

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 83](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW302_horsham_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



- 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

2

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 85](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium	Clay, silt, sand and gravel
2	465m SE	MO1-XSV	River Terrace Deposits, 1 (Mole)	Sand and gravel

This data is sourced from the British Geological Survey.



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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	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

17

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 87](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
2	On site	LTW-SDSM	Lower Tunbridge Wells Sand-Sandstone, siltstone and mudstone	Valanginian
3	On site	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian



ID	Location	LEX Code	Description	Rock age
4	55m S	CKST-CALSST	Cuckfield Stone Bed-Calcareous sandstone	Valanginian
6	228m SW	UTW-SDSL	Upper Tunbridge Wells Sand-Sandstone and siltstone, interbedded	Valanginian
7	250m E	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
8	284m W	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
12	353m E	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
13	394m E	LGRC-MDST	Lower Grinstead Clay-Mudstone	Valanginian
14	396m NW	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
17	439m NW	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
18	441m SE	LTW-SDSM	Lower Tunbridge Wells Sand-Sandstone, siltstone and mudstone	Valanginian
20	444m SE	WDC-MDST	Wadhurst Clay Formation-Mudstone	Valanginian
23	463m NW	GRC-MDST	Grinstead Clay Member-Mudstone	Valanginian
24	471m S	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
25	487m SW	ARS-SDST	Ardingly Sandstone Member-Sandstone	Valanginian
26	489m SE	WDC-MDST	Wadhurst Clay Formation-Mudstone	Valanginian

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m

3

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

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

This data is sourced from the British Geological Survey.



15.10 Bedrock faults and other linear features (50k)

Records within 500m

9

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

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 87](#) >

ID	Location	Category	Description
5	140m NW	FAULT	Fault, inferred, displacement unknown
9	284m W	FAULT	Fault, inferred, displacement unknown
10	334m NW	FAULT	Fault, inferred, displacement unknown
11	334m NW	FAULT	Fault, inferred, displacement unknown
15	396m NW	FAULT	Fault, inferred, displacement unknown
16	396m NW	FAULT	Fault, inferred, displacement unknown
19	441m SE	FAULT	Fault, inferred, displacement unknown
21	444m SE	FAULT	Fault, inferred, displacement unknown
22	444m SE	FAULT	Fault, inferred, displacement unknown

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

4

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

Features are displayed on the Boreholes map on [page 90](#) >

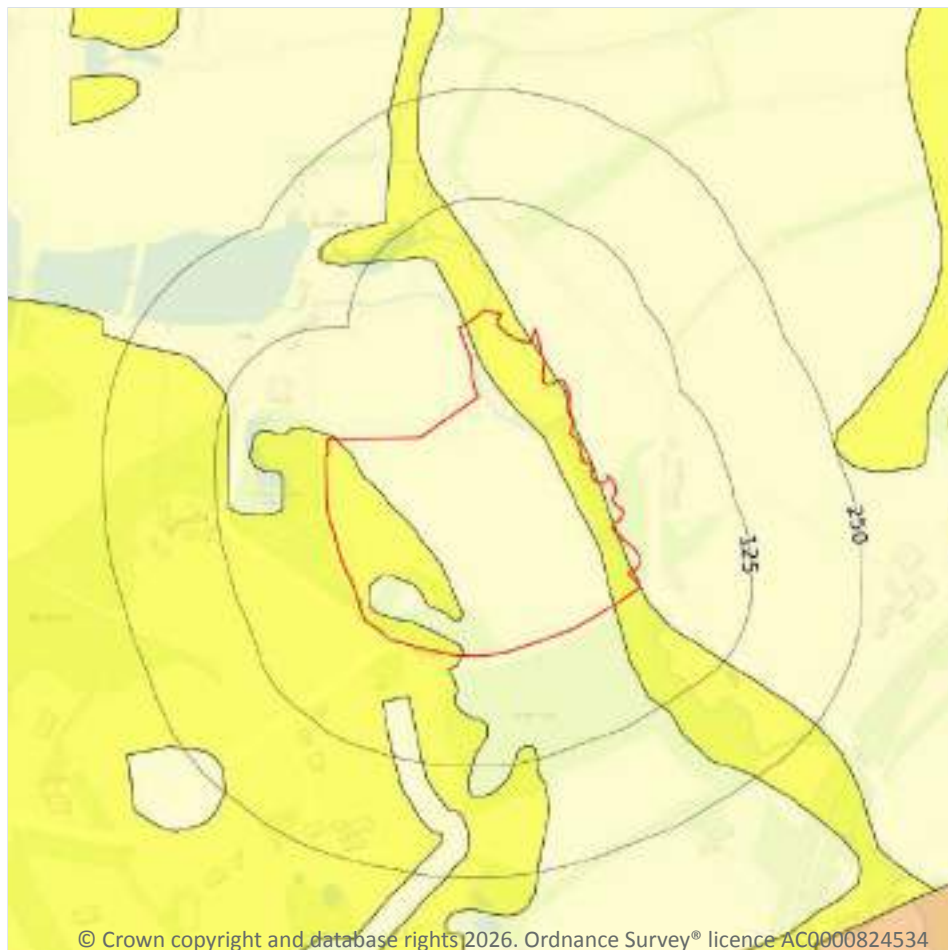
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	150m NW	536250 136680	FEN PLACE MILL, TURNERS HILL	3.96	N	594773 ↗
2	162m W	536060 136370	TURNERS HILL EAST GRINSTEAD TP2	3.1	N	15047642 ↗

ID	Location	Grid reference	Name	Length	Confidential	Web link
3	188m W	536040 136330	TURNERS HILL EAST GRINSTEAD TP1	2.1	N	15047641 ↗
4	203m W	536020 136360	TURNERS HILL EAST GRINSTEAD TP3	5.0	N	15047643 ↗

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

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).

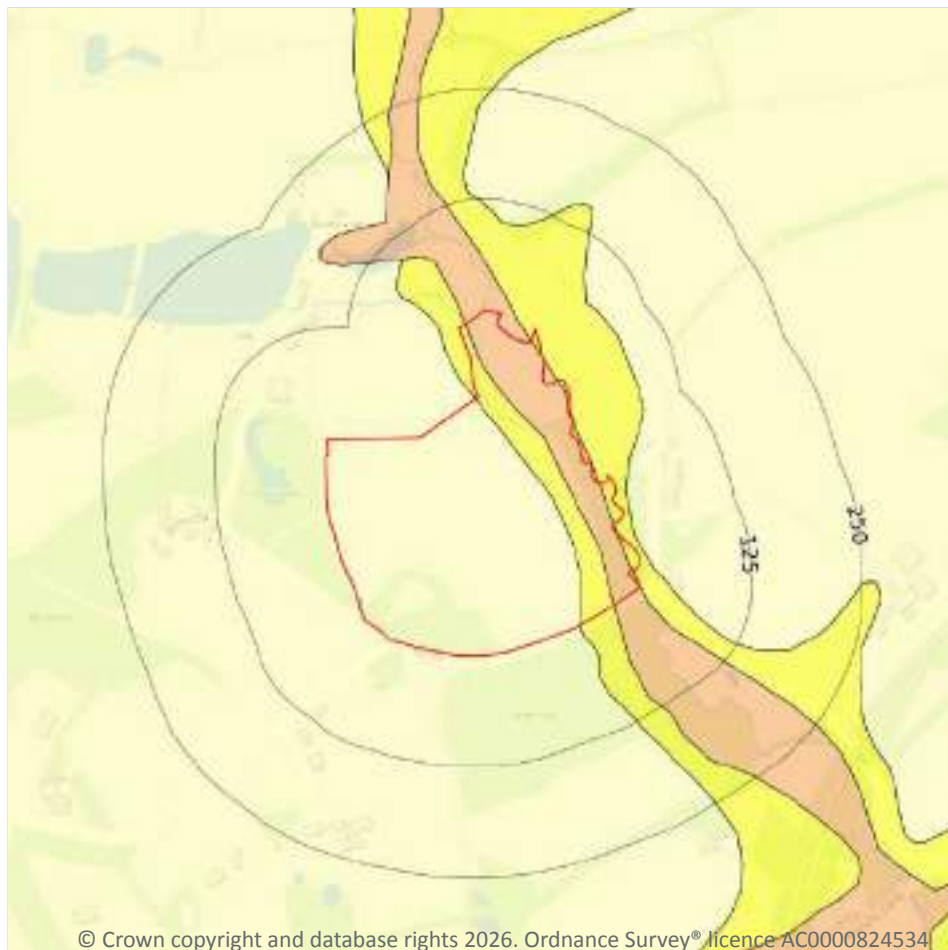
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 92 >](#)

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Very low	Ground conditions predominantly low 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

3

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

Features are displayed on the Natural ground subsidence - Running sands map on [page 93](#) >

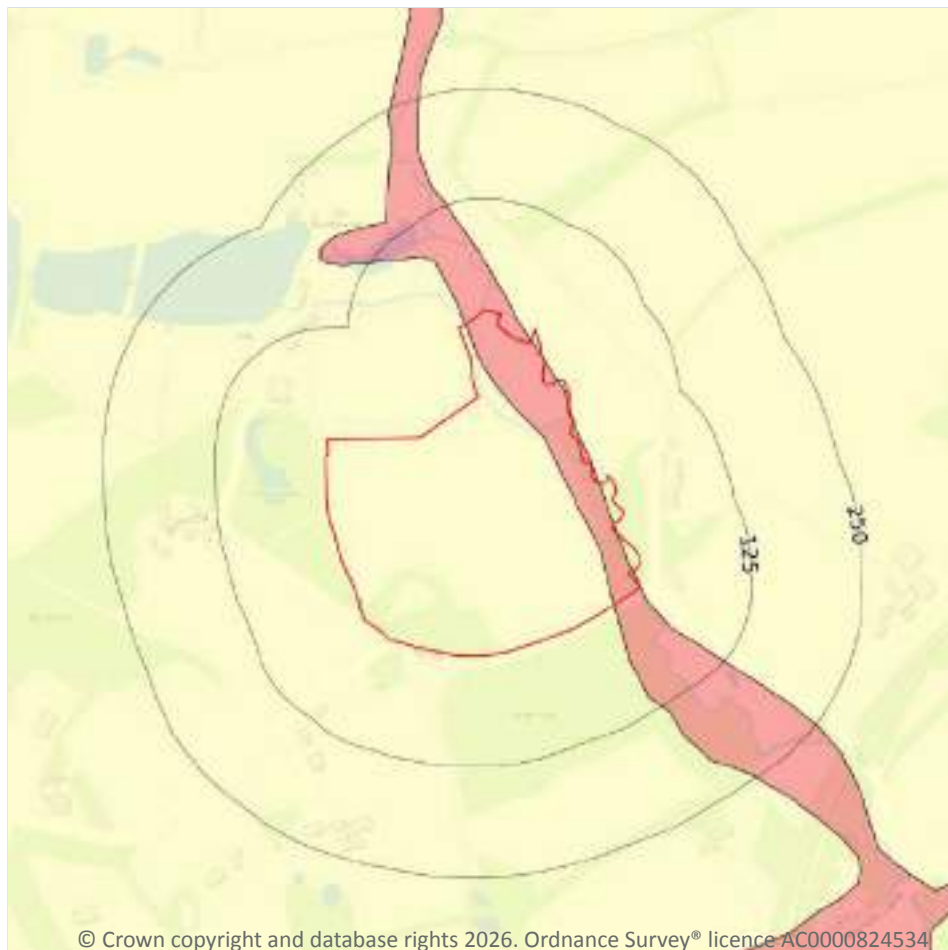
Location	Hazard rating	Details
On site	Negligible	Running sand conditions are not thought to occur whatever the position of the water table. No identified constraints on lands use due to running conditions.

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.
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

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 95 >](#)

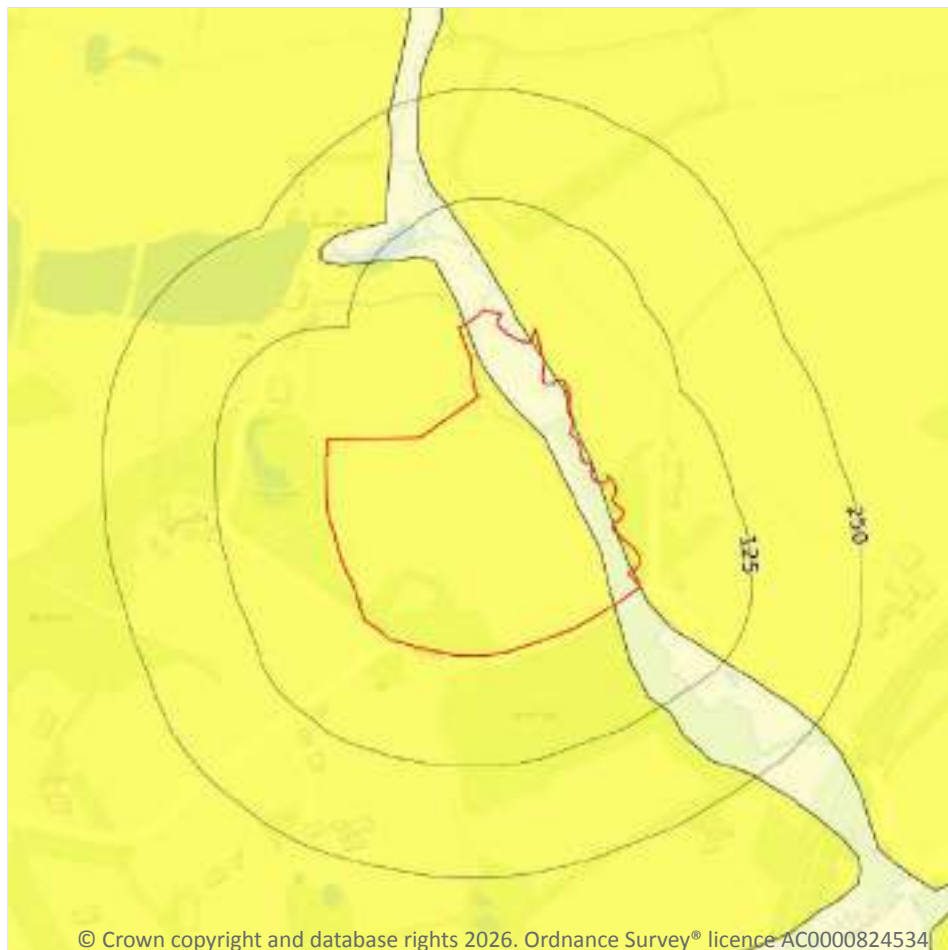
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
On site	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



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

2

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.

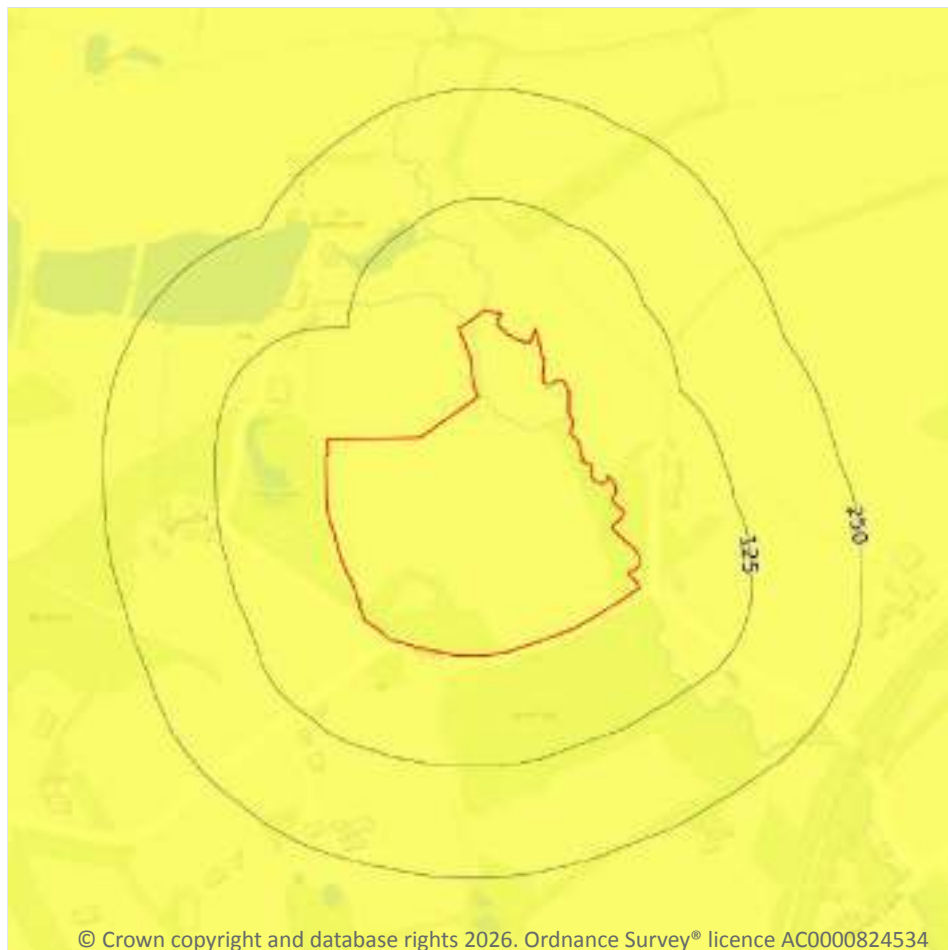
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 97 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
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.

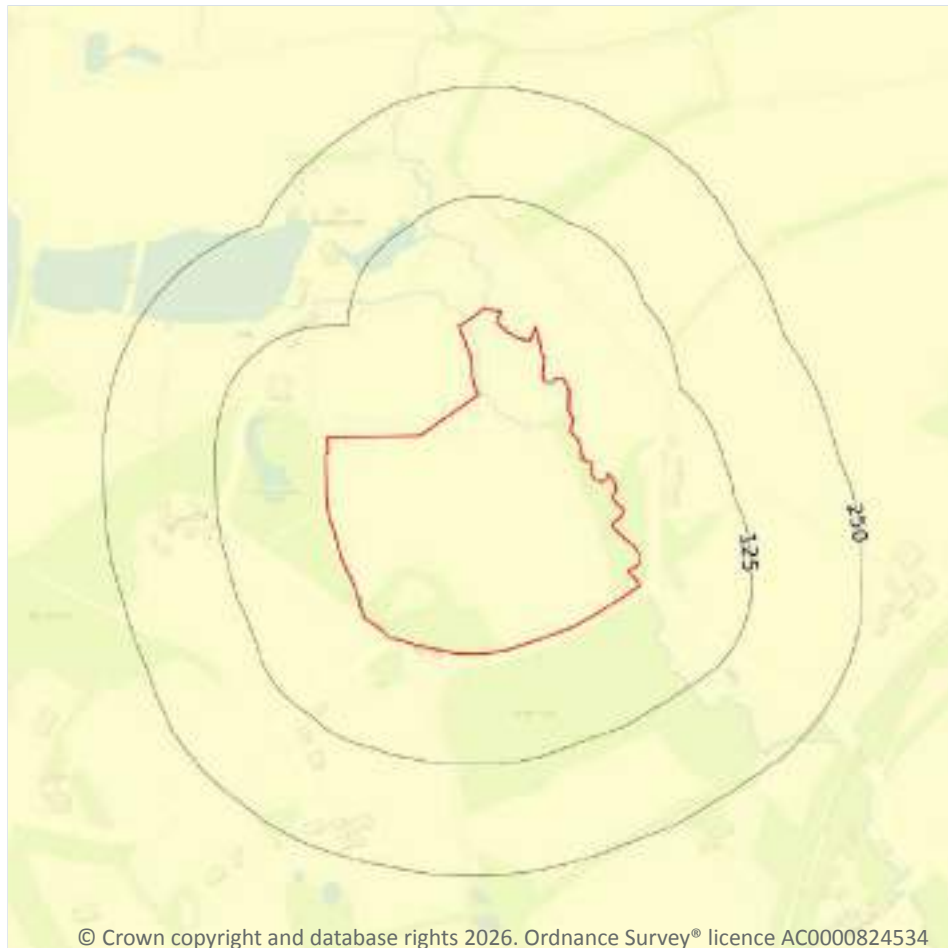
Features are displayed on the Natural ground subsidence - Landslides map on [page 98](#) >

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 99](#)

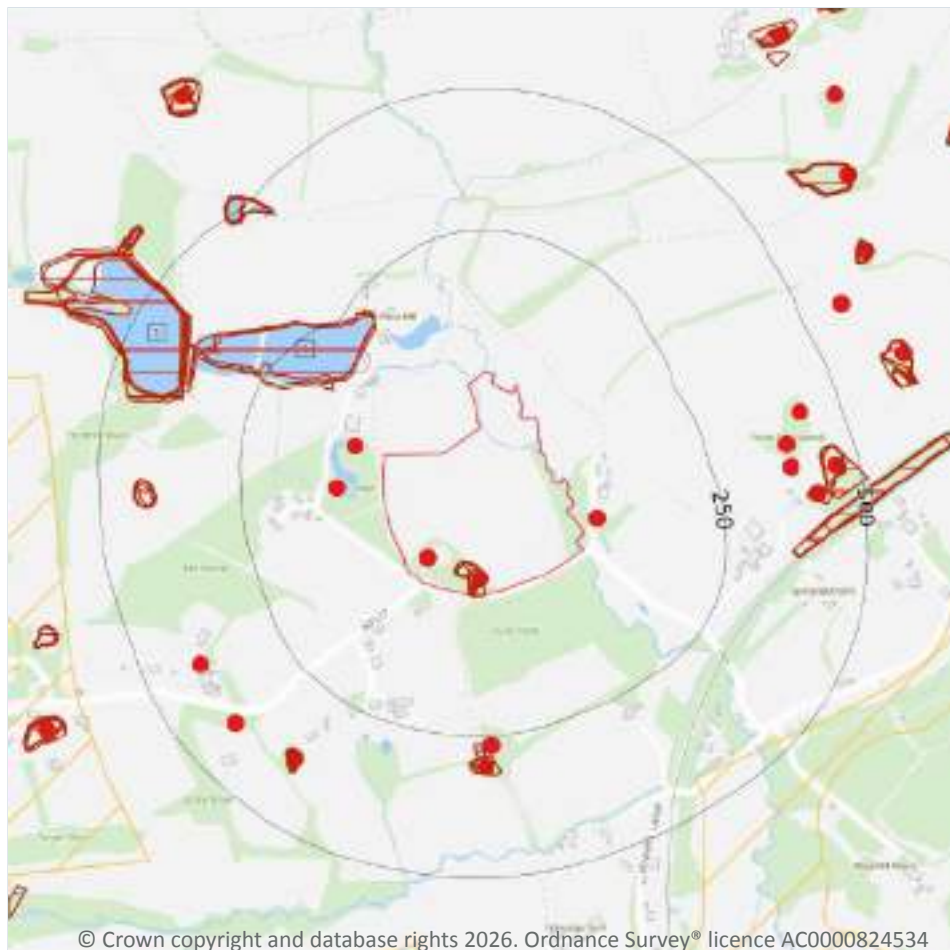
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- 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

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18.1 BritPits

Records within 500m

16

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 and ground workings map on [page 101](#) >

ID	Location	Details	Description
1	On site	Name: Moat Shaw Quarries Address: Turners Hill, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
A	On site	Name: Kingscote Address: Kingscote, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
2	32m NE	Name: Hurley Farm Address: Hurley Farm, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
3	52m W	Name: Moat Shaw Quarries Address: Turners Hill, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
4	81m W	Name: Moat Shaw Quarries Address: Turners Hill, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
C	268m S	Name: Tickeridge Address: Kingscote, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
C	305m S	Name: Kingscote Quarry Address: Kingscote, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
F	380m SW	Name: Fenland Farm Clay Pit Address: Fenland Farm, Turner's Hill, EAST GRINSTEAD, West Sussex Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
G	383m E	Name: Hairley Farm Pits Address: Hurley Farm, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
G	389m NE	Name: Hairley Farm Pits Address: Hurley Farm, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
6	400m SW	Name: Rose Cottage Clay Pit Address: East Street, Turner's Hill, EAST GRINSTEAD, West Sussex Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
7	403m SW	Name: Castle Shaw Clay Pit Address: Castle Shaw, Turner's Hill, EAST GRINSTEAD, West Sussex Commodity: Clay & Shale Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.



ID	Location	Details	Description
H	418m E	Name: Kingscote Pits Address: EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
8	428m E	Name: Hairley Farm Pits Address: Hurley Farm, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
H	458m E	Name: Kingscote Pit Address: Kingscote, EAST GRINSTEAD, West Sussex Commodity: Sandstone Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.
H	458m E	Name: Kingscote Pit Address: Kingscote, EAST GRINSTEAD, West Sussex Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Delf, Delph, Gravel Pit, Sand Pit, Sand and Gravel Pit, Clay Pit, Pit, Opencast Coal Site or Surface Mine. It may be mapped as Worked Ground or Worked and Made Ground on BGS mapping. Status description: Site which has ceased to extract minerals. May be considered as 'Closed' by operator. May be considered to have 'Active', 'Dormant' or 'Expired' planning permissions by the Mineral Planning Authority.

This data is sourced from the British Geological Survey.



18.2 Surface ground workings

Records within 250m

10

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 and ground workings map on [page 101](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	On site	Unspecified Pit	1975	1:10000
A	On site	Unspecified Pit	1963	1:10560
A	On site	Unspecified Pit	1912	1:10560
A	On site	Unspecified Quarry	1895	1:10560
A	On site	Unspecified Pit	1912	1:10560
A	On site	Unspecified Pit	1948	1:10560
A	On site	Unspecified Pit	1874	1:10560
5	144m NW	Ponds	1975	1:10000
B	149m NW	Water Body	1874	1:10560
B	156m NW	Mill Pond	1895	1:10560

This data is sourced from Ordnance Survey®/Groundsure.

18.3 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 data is sourced from Ordnance Survey®/Groundsure.

18.4 Underground mining extents

Records within 500m

0

This data identifies underground mine workings that could present a potential risk, including adits and seam workings. These features have been identified from BGS Geological mapping and mine plans sourced from the BGS and various collections and sources.

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

3

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

Features are displayed on the Mining and ground workings map on [page 101 >](#)

ID	Location	Name	Commodity	Class	Likelihood
9	444m SE	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
11	576m W	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
12	620m S	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 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.



18.8 The Coal Authority non-coal mining

Records within 500m**0**

This data provides an indication of the potential zone of influence of recorded underground non-coal mining workings. Any and all analysis and interpretation of Coal Authority Data in this report is made by Groundsure, and is in no way supported, endorsed or authorised by the Coal Authority. The use of the data is restricted to the terms and provisions contained in this report. Data reproduced in this report may be the copyright of the Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m**0**

This data indicates areas of potential mining identified from alternative or archival sources, including; BGS Geological paper maps, Lidar data, aerial photographs (from World War II onwards), archaeological data services, websites, Tithe maps, and various text/plans from collected books and reports. Some of this data is approximate and Groundsure have interpreted the resultant risk area and, where possible, specific areas of risk have been captured.

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m**0**

This dataset is representative of Mining Record Office and/or plan extents held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m**0**

This dataset is representative of BGS mine plans held by Groundsure and should be considered approximate. Where possible, plans have been located and any specific areas of risk they depict have been captured.

This data is sourced from Groundsure.



18.12 Coal mining

Records on site	0
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Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 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.

18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 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 Ground cavities and sinkholes

19.1 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.

19.2 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.

19.3 Reported recent incidents

Records within 500m

0

This data identifies sinkhole information gathered from media reports and Groundsure's own records. This data goes back to 2014 and includes relative accuracy ratings for each event and links to the original data sources. The data is updated on a regular basis and should not be considered a comprehensive catalogue of all sinkhole events. The absence of data in this database does not mean a sinkhole definitely has not occurred during this time.

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

This dataset comprises an extract of 1:10,560, 1:10,000, 1:2,500 and 1:1,250 scale historical Ordnance Survey® maps held by Groundsure, dating back to the 1840s. It shows shakeholes, deneholes and other 'holes' as noted on these maps. Dene holes are medieval chalk extraction pits, usually comprising a narrow shaft with a number of chambers at the base of the shaft. Shakeholes are an alternative name for suffusion sinkholes, most commonly found in the limestone landscapes of North Yorkshire but also extensively noted around the Brecon Beacons National Park.

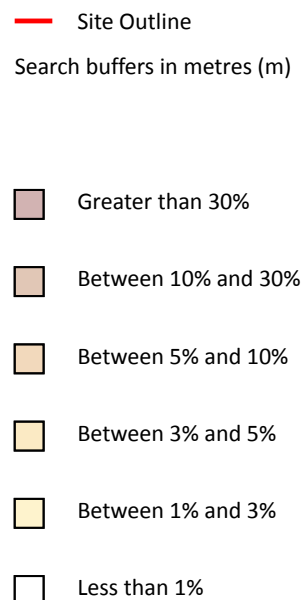
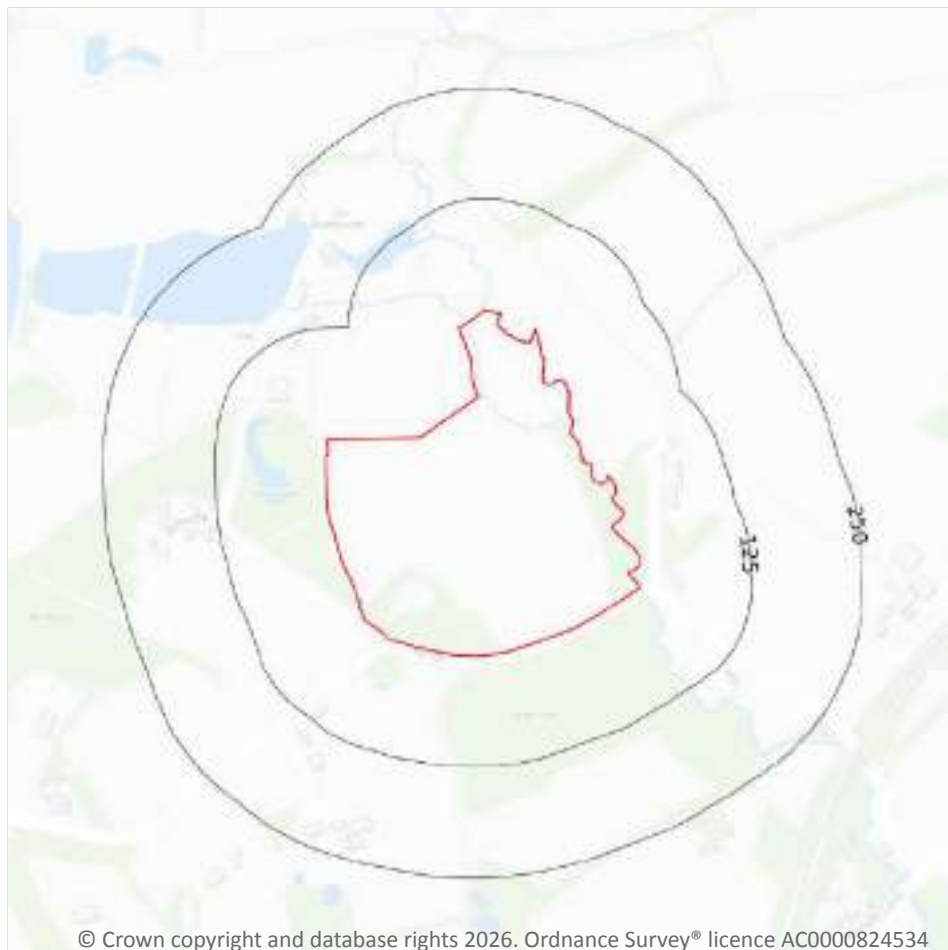
Not all 'holes' noted on Ordnance Survey® mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 112](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None



This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

15

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 km². 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 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

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



Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
8m E	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 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 km²).

This data is sourced from the British Geological Survey.

21.3 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 km².

This data is sourced from the British Geological Survey.

22 Railway infrastructure and projects

22.1 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.

22.2 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.

22.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey® mapping.

This data is sourced from the Ordnance Survey®.

22.4 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.

22.5 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.

22.6 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.

22.7 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.

22.8 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.

22.9 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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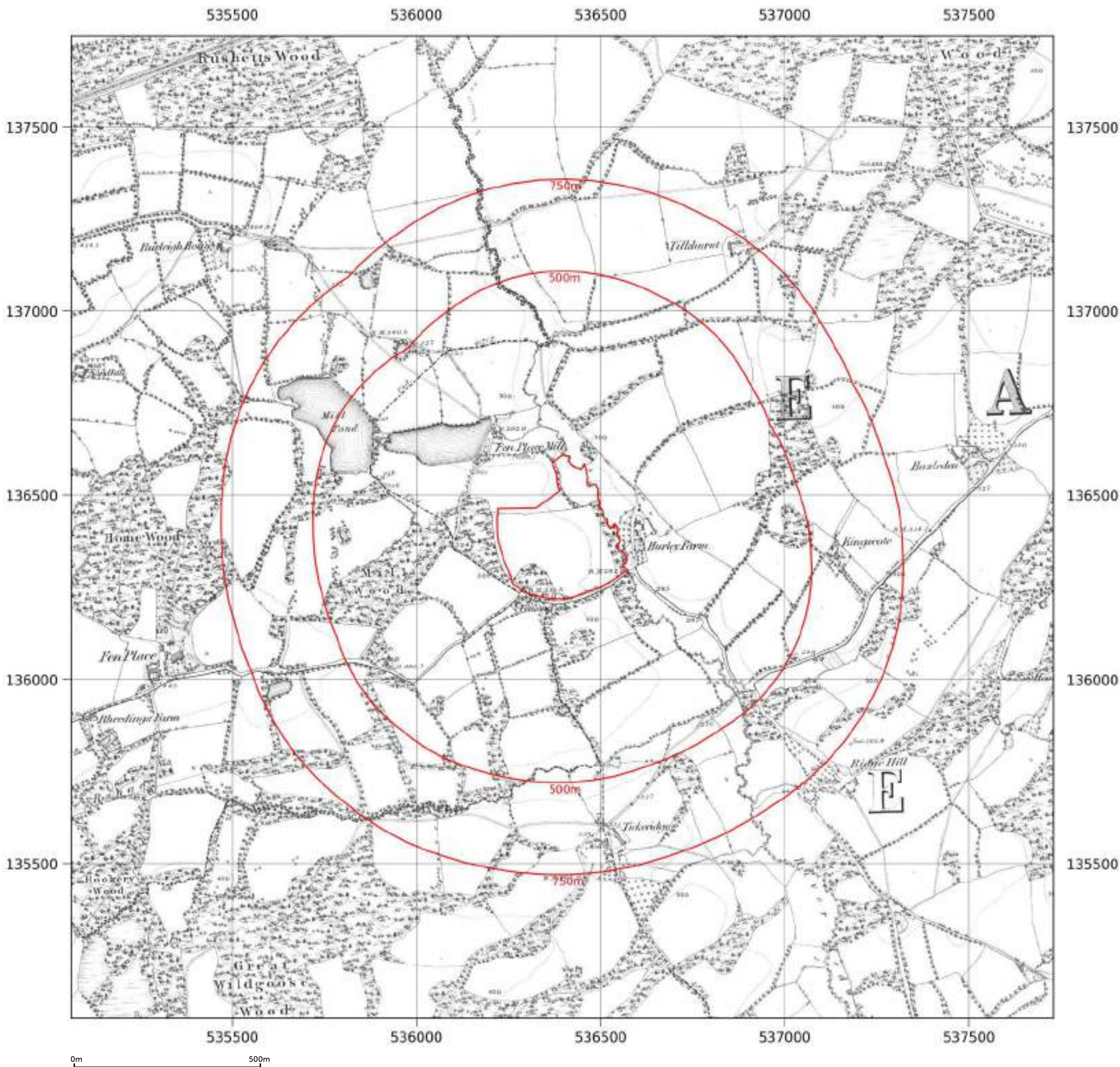
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Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: County Series
Map date: 1874
Scale: 1:10,560
Printed at: 1:10,560



Date: 1874
Surveyed: 1874
Revised: 1874

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ

Client ref: P17848

Report ref: GS-16E-GAU-958-T21

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Production date: 23 June 2026

Map name: County Series

Map date: 1895

Scale: 1:10,560

Printed at: 1:10,560

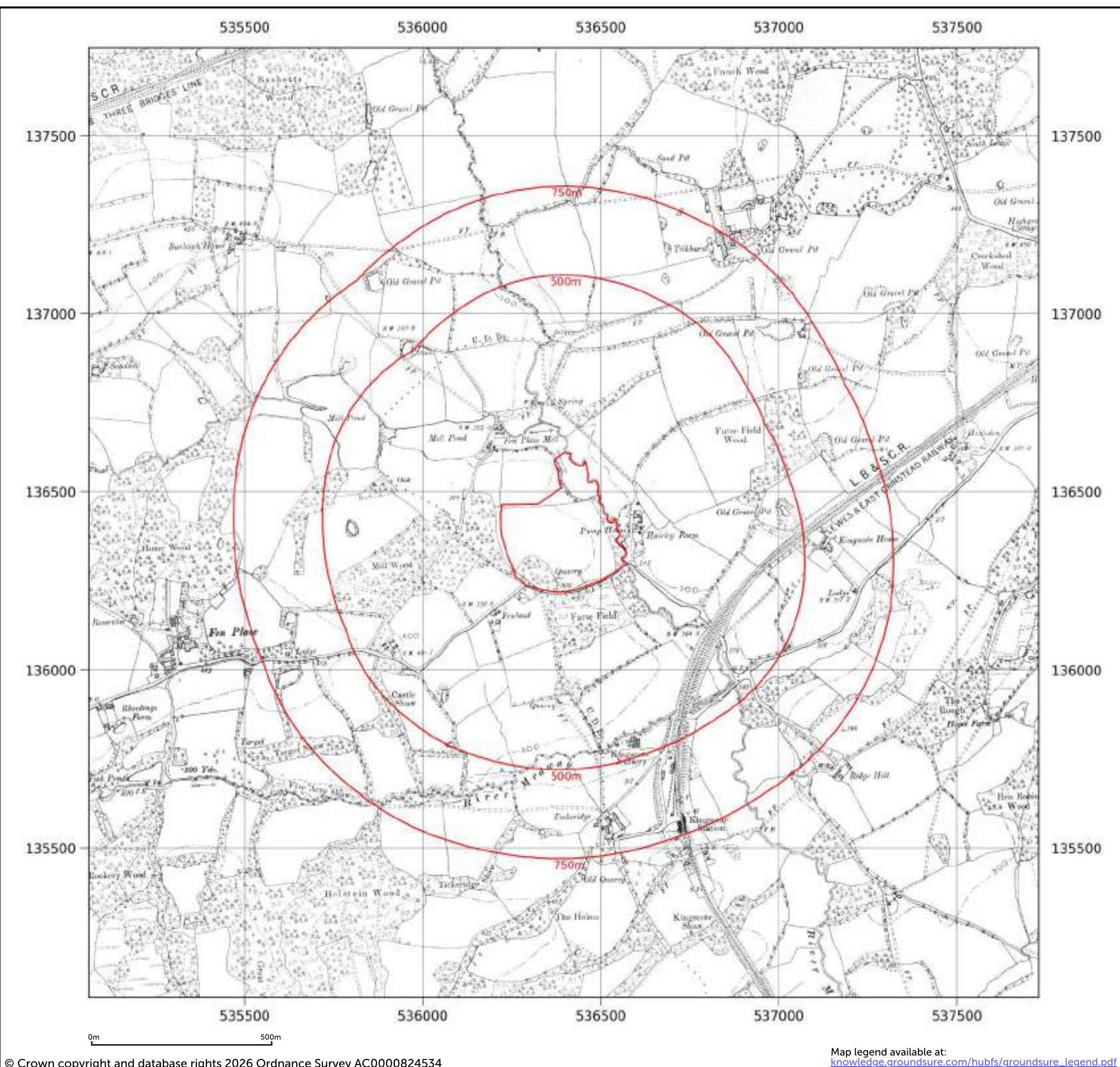


Date: 1895
Surveyed: 1874
Revised: 1895

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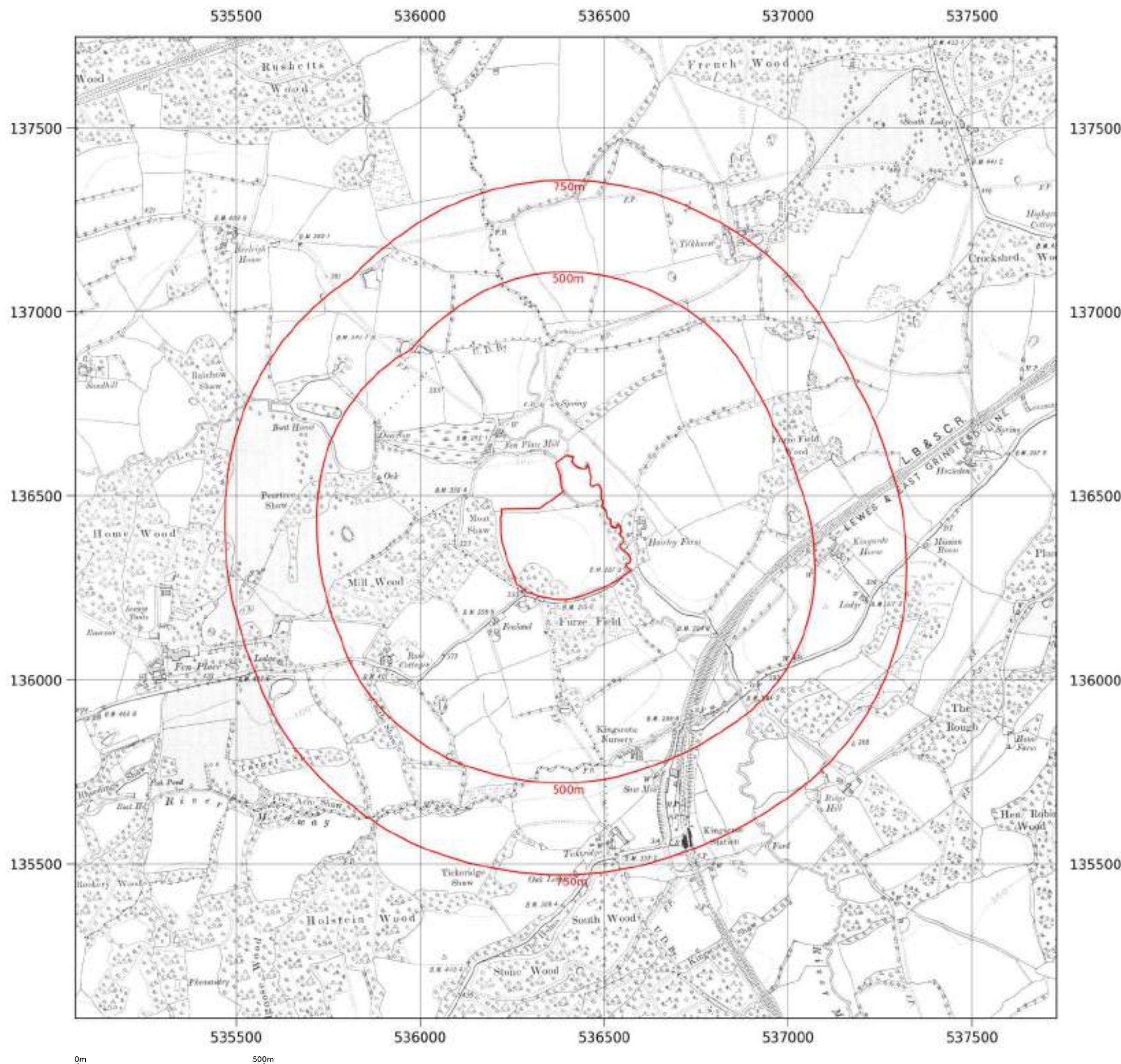
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Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: County Series
Map date: 1909
Scale: 1:10,560
Printed at: 1:10,560



Date: 1909
 Surveyed: 1874
 Revised: 1909

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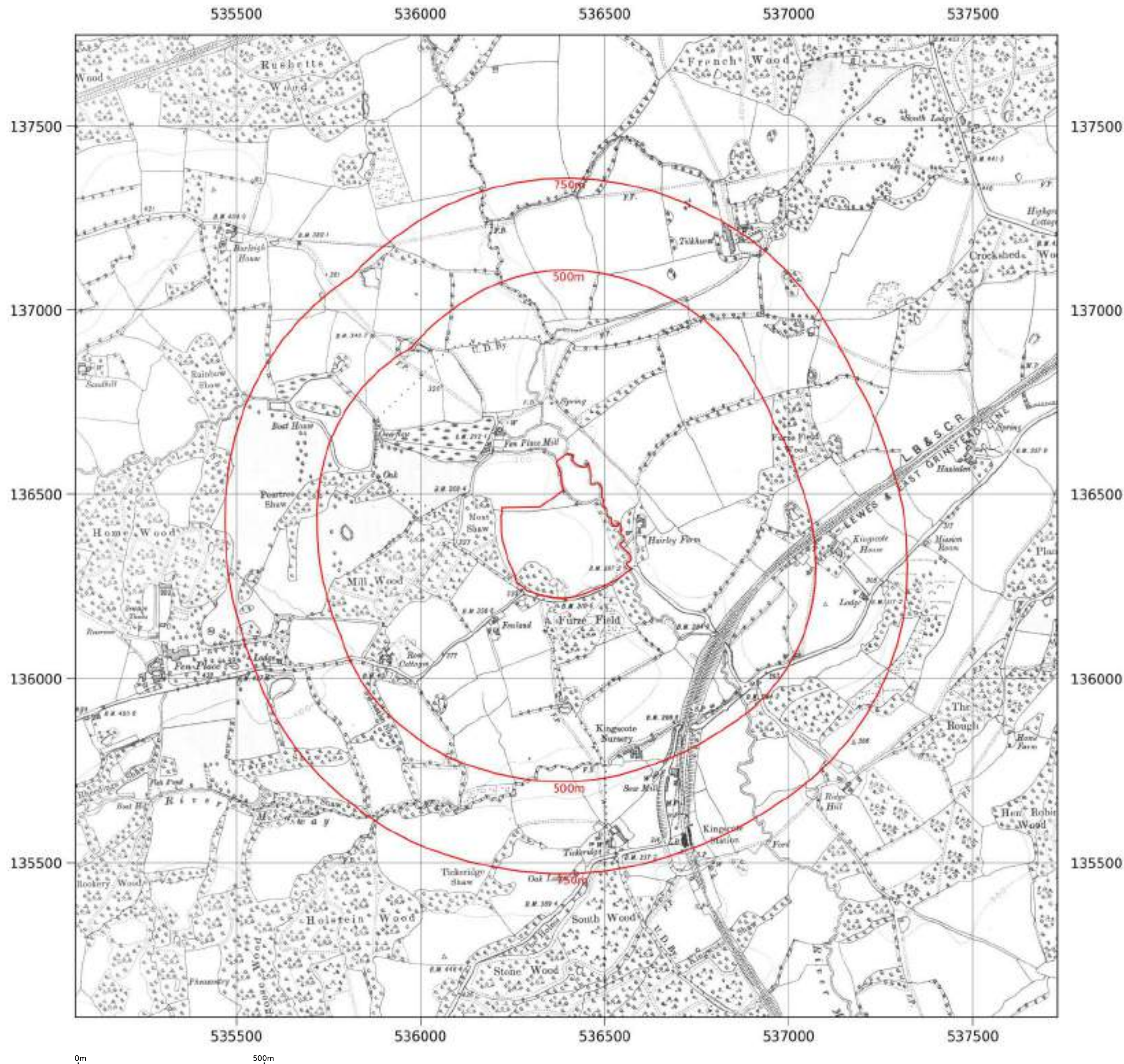
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Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: County Series
Map date: 1912
Scale: 1:10,560
Printed at: 1:10,560



Date: 1912
 Surveyed: 1874
 Revised: 1912
 Edition: 1912

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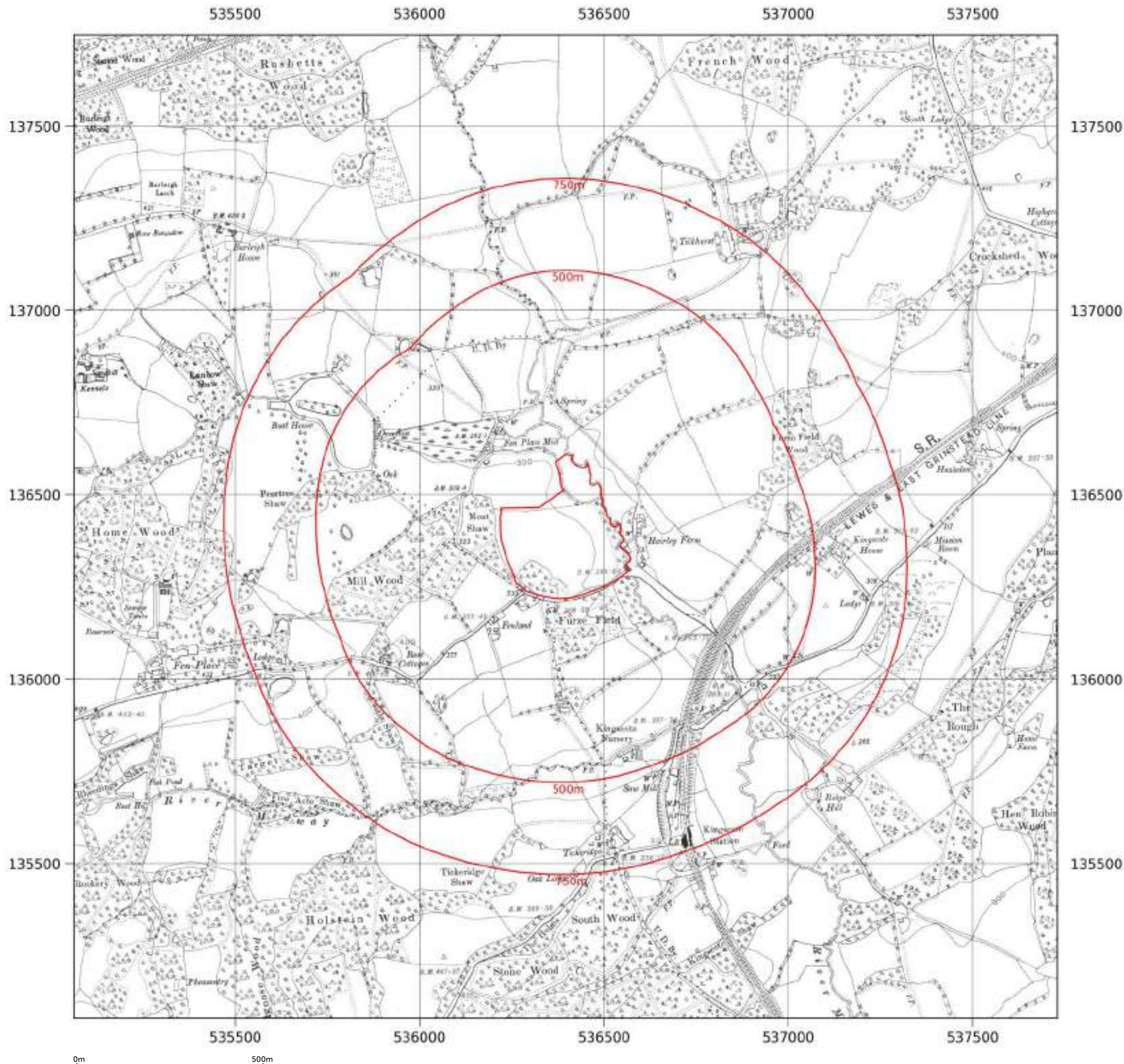
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Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: County Series
Map date: 1948
Scale: 1:10,560
Printed at: 1:10,560



Date: 1948
 Surveyed: 1874
 Revised: 1948
 Levelled: 1937

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ

Client ref: P17848

Report ref: GS-16E-GAU-958-T21

Grid ref: 536393.14, 136377.26

Production date: 23 June 2026

Map name: National Grid

Map date: 1975

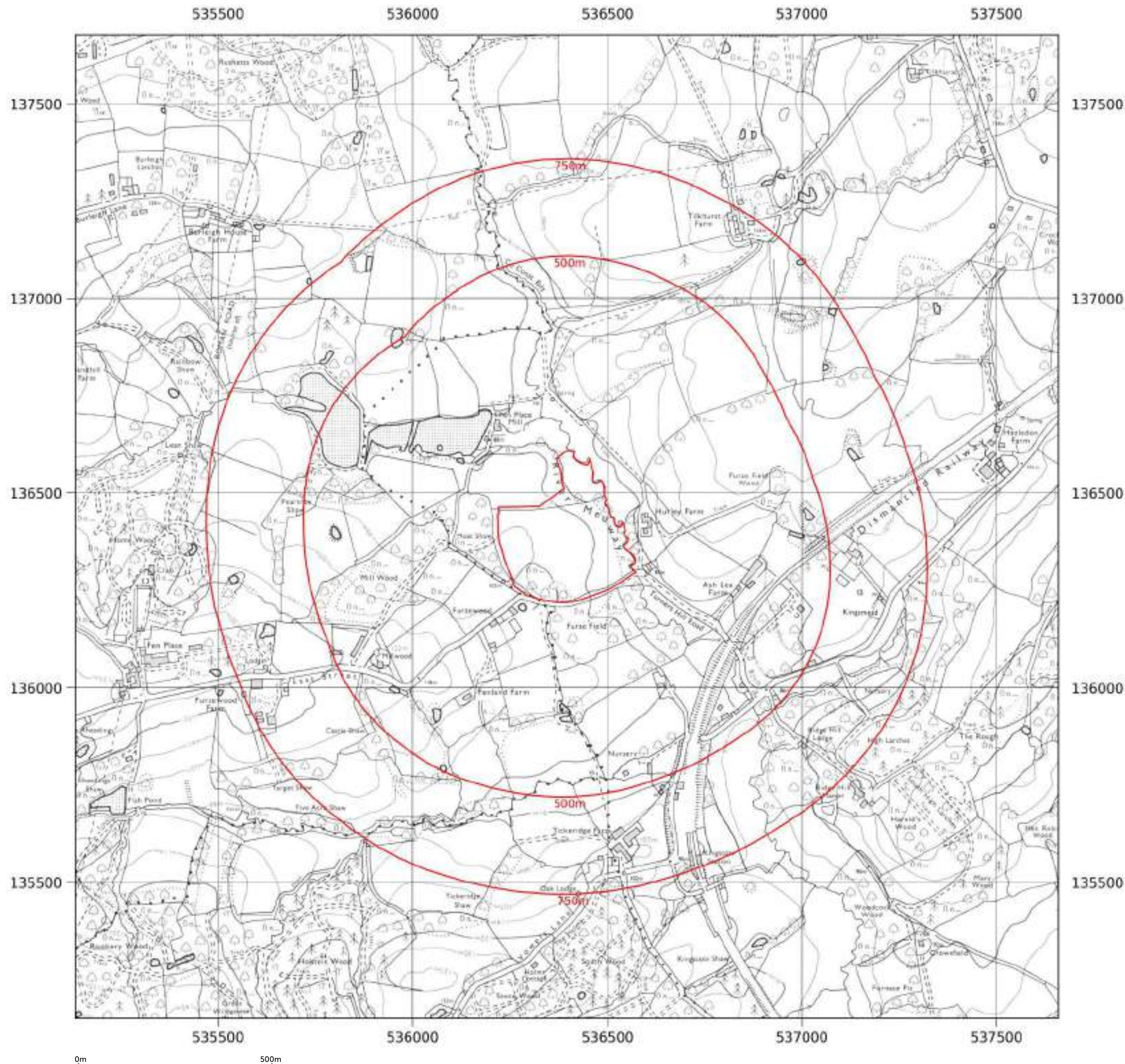
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Printed at: 1:10,000



Date: 1975
Surveyed: 1975
Revised: 1975

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
Client ref: P17848
Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

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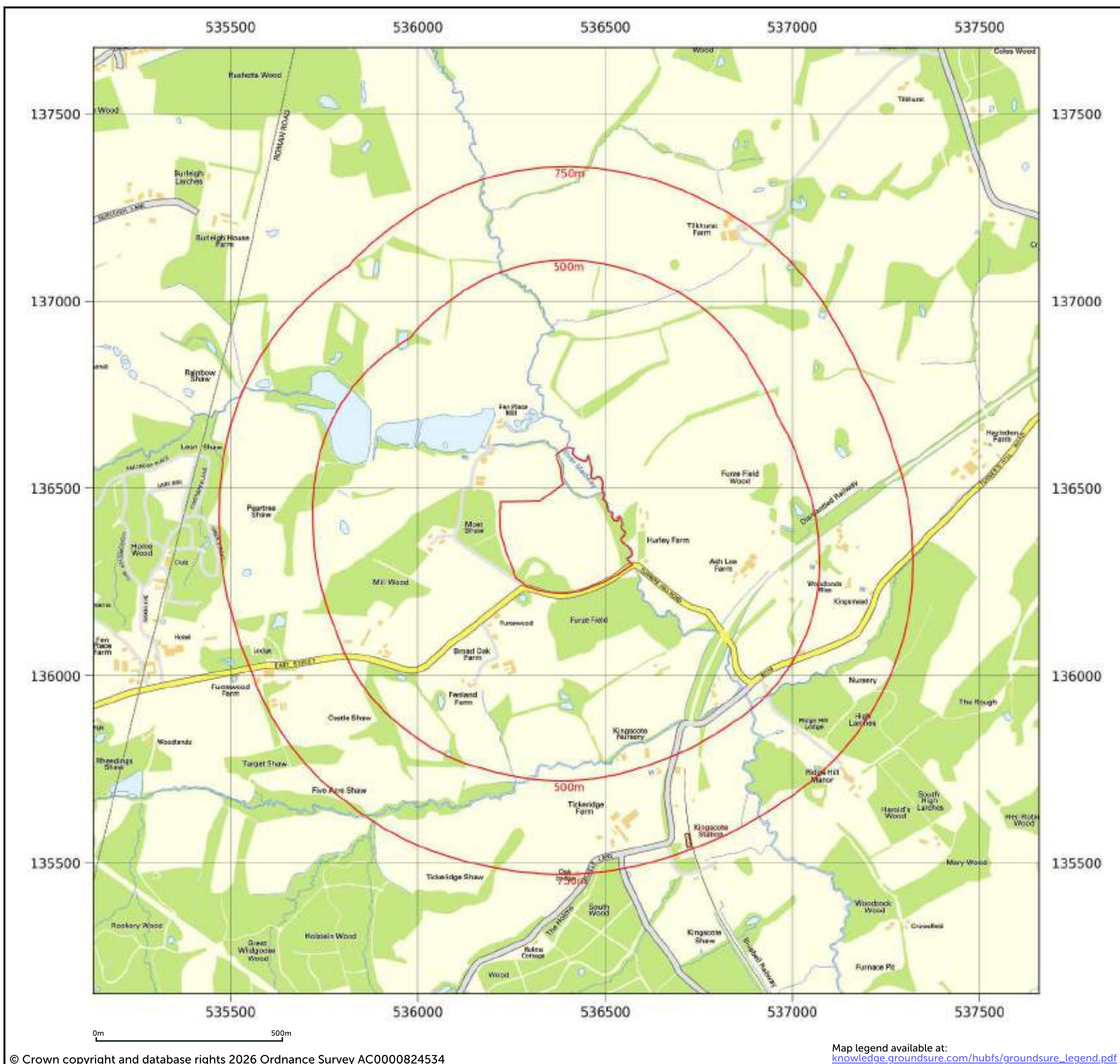


Date: 2001

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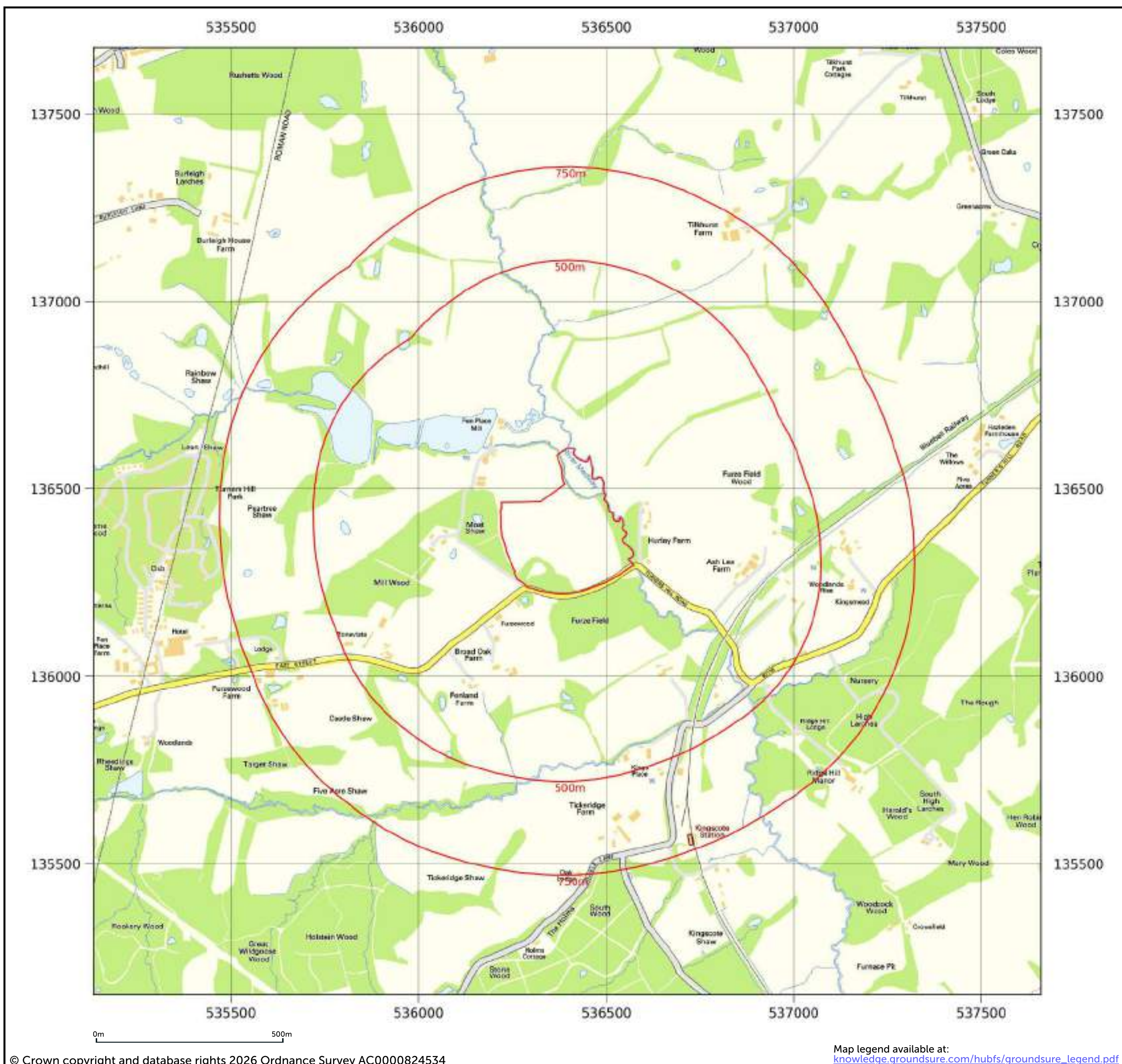
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Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: National Grid
Map date: 2010
Scale: 1:10,000
Printed at: 1:10,000



Date: 2010

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
Client ref: P17848
Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: National Grid
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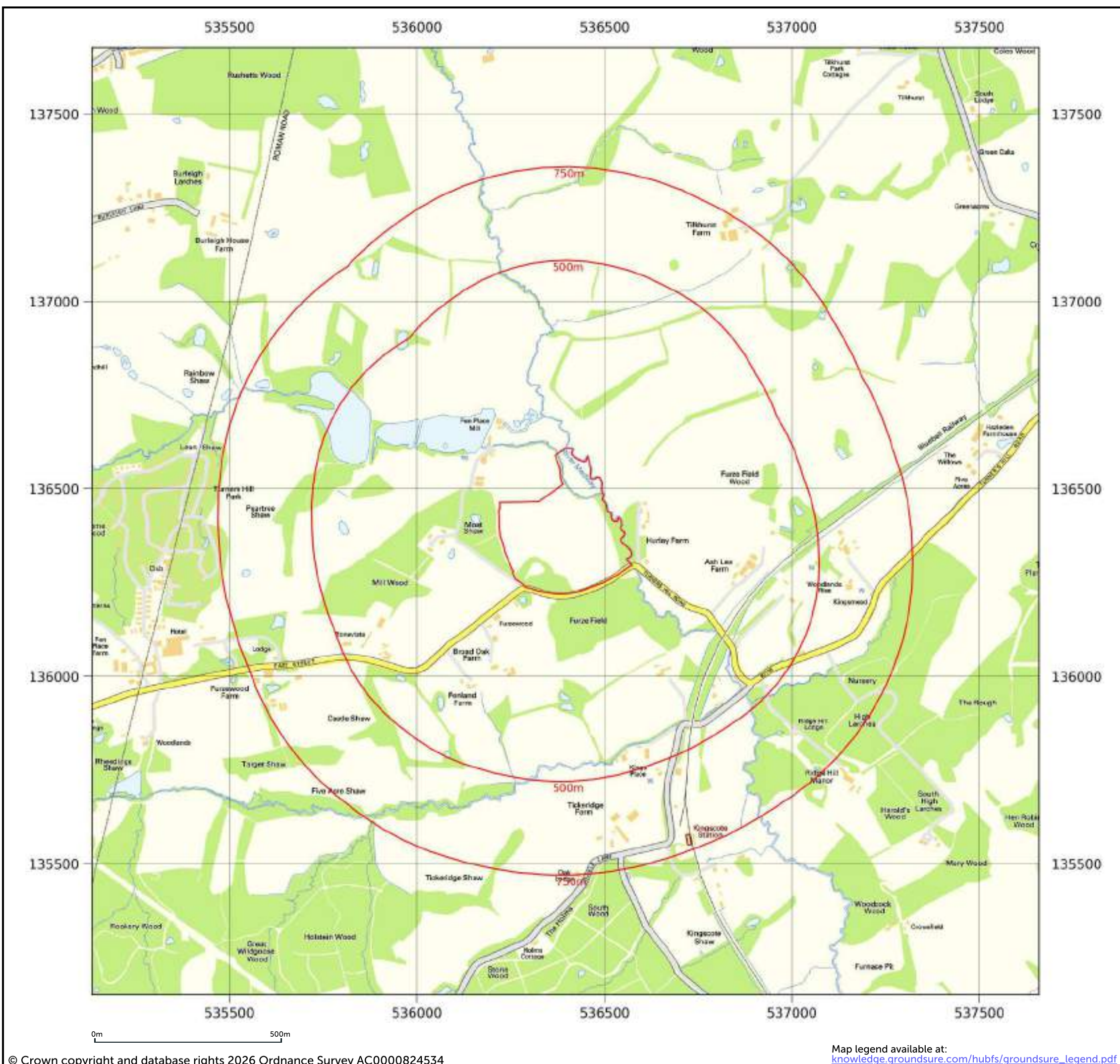


Date: 2015

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ

Client ref: P17848

Report ref: GS-16E-GAU-958-T21

Grid ref: 536393.14, 136377.26

Production date: 23 June 2026

Map name: National Grid

Map date: 2025

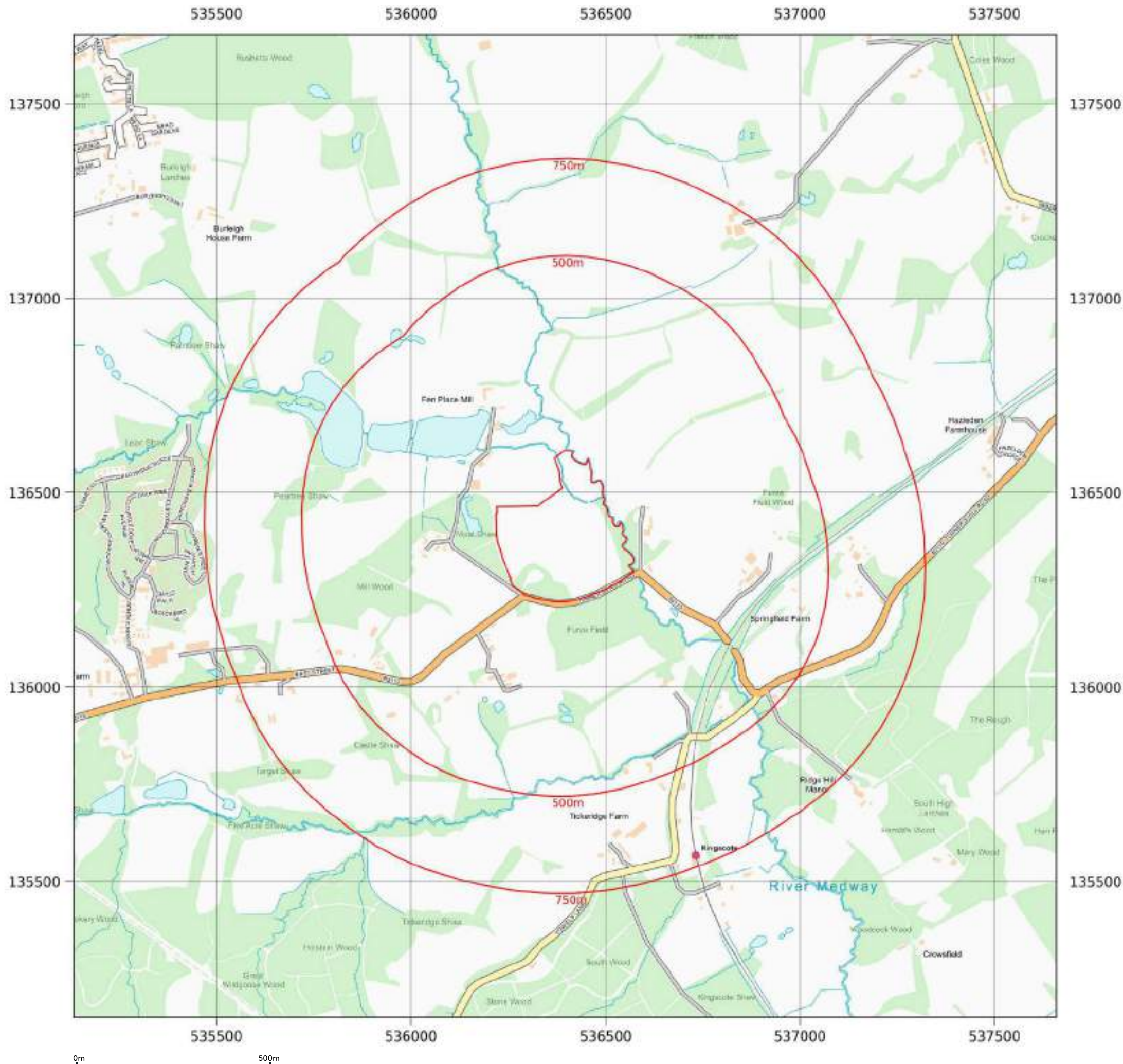
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Printed at: 1:10,000



Date: 2025

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
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Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

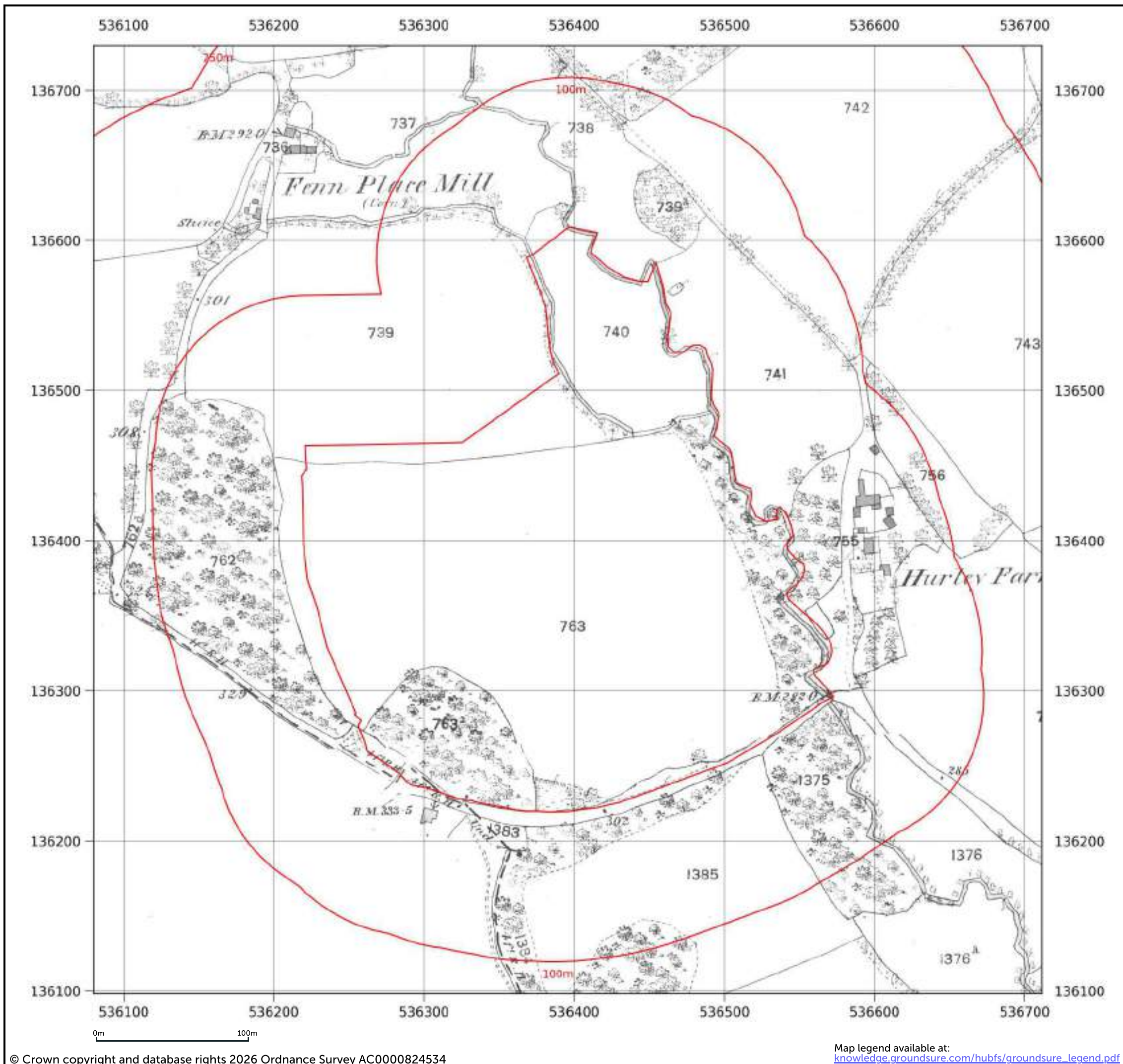
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Scale: 1:2,500
Printed at: 1:2,500



Date: 1873
 Surveyed: 1873
 Revised: 1873

Date: 1873
 Surveyed: 1873
 Revised: 1873

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Map legend available at:
knowledge.groundsure.com/hubfs/groundsure_legend.pdf

Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
Client ref: P17848
Report ref: GS-16E-GAU-958-T21
Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

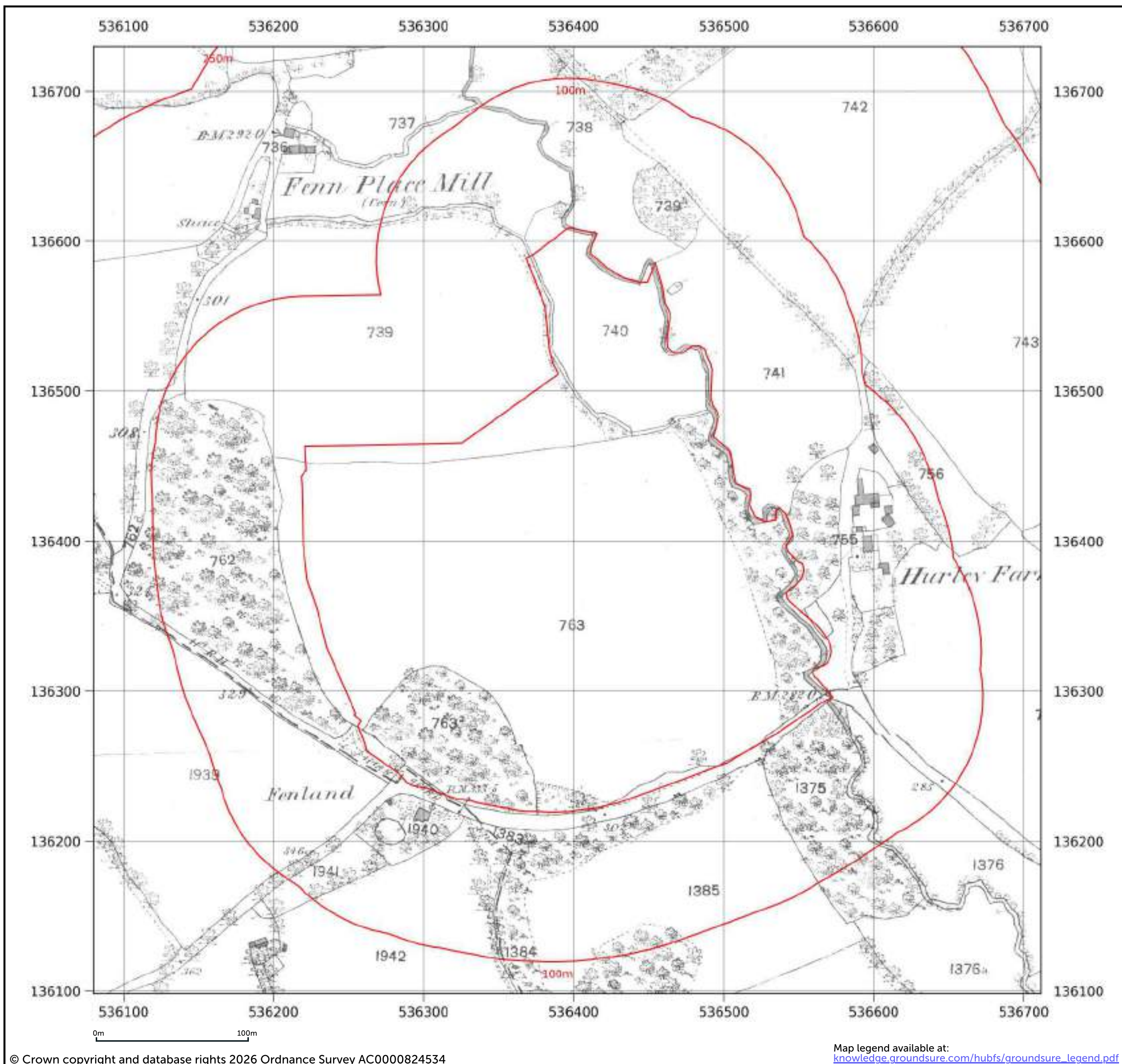
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Scale: 1:2,500
Printed at: 1:2,500



Date: 1873
 Surveyed: 1873
 Revised: 1873

Date: 1874
 Surveyed: 1874
 Revised: 1874

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
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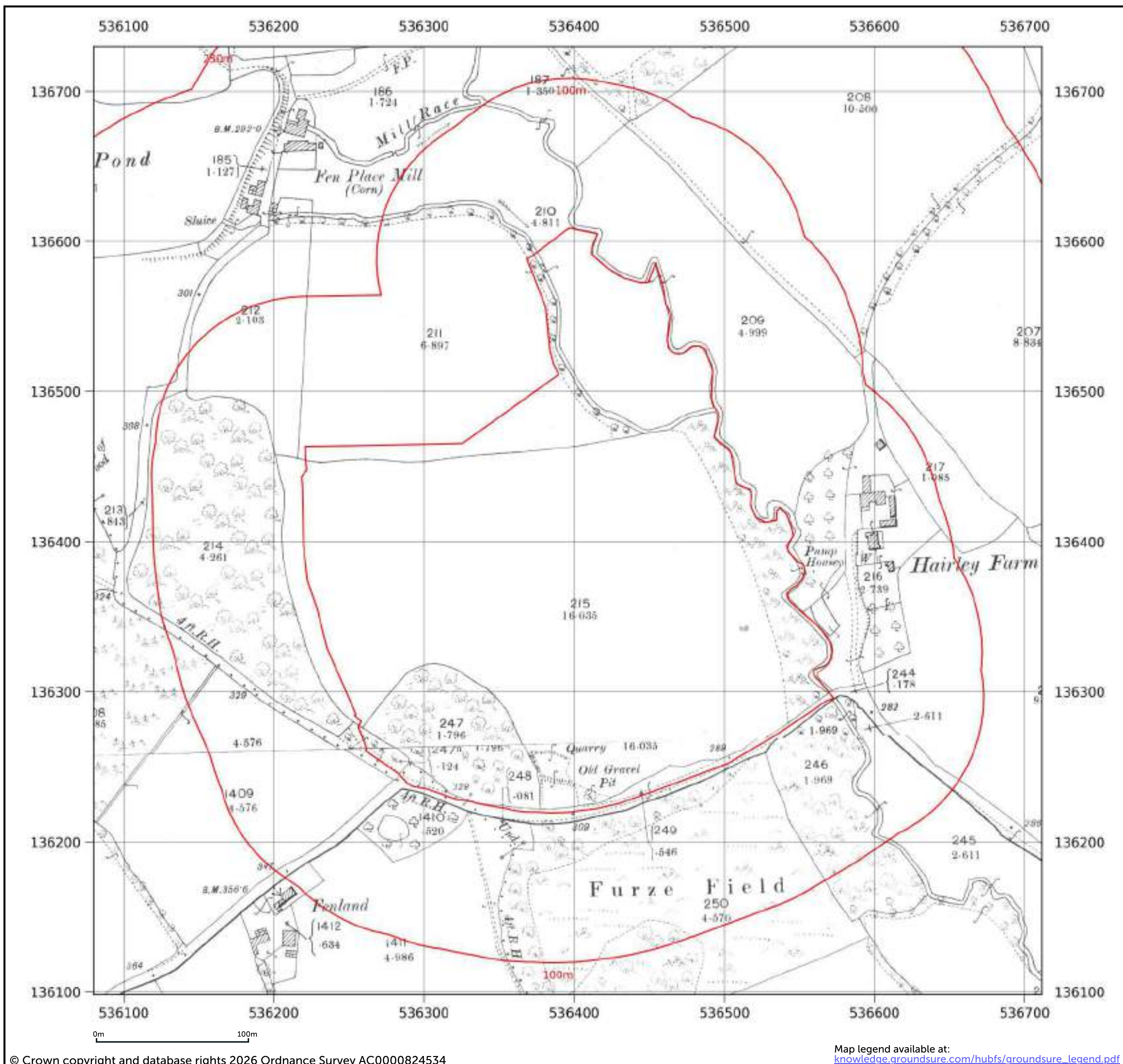
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Printed at: 1:2,500



Date: 1897
 Surveyed: 1897
 Revised: 1897

Date: 1897
 Surveyed: 1897
 Revised: 1897

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Site details: FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ

Client ref: P17848

Report ref: GS-16E-GAU-958-T21

Grid ref: 536393.14, 136377.26

Production date: 23 June 2026

Map name: County Series

Map date: 1910

Scale: 1:2,500

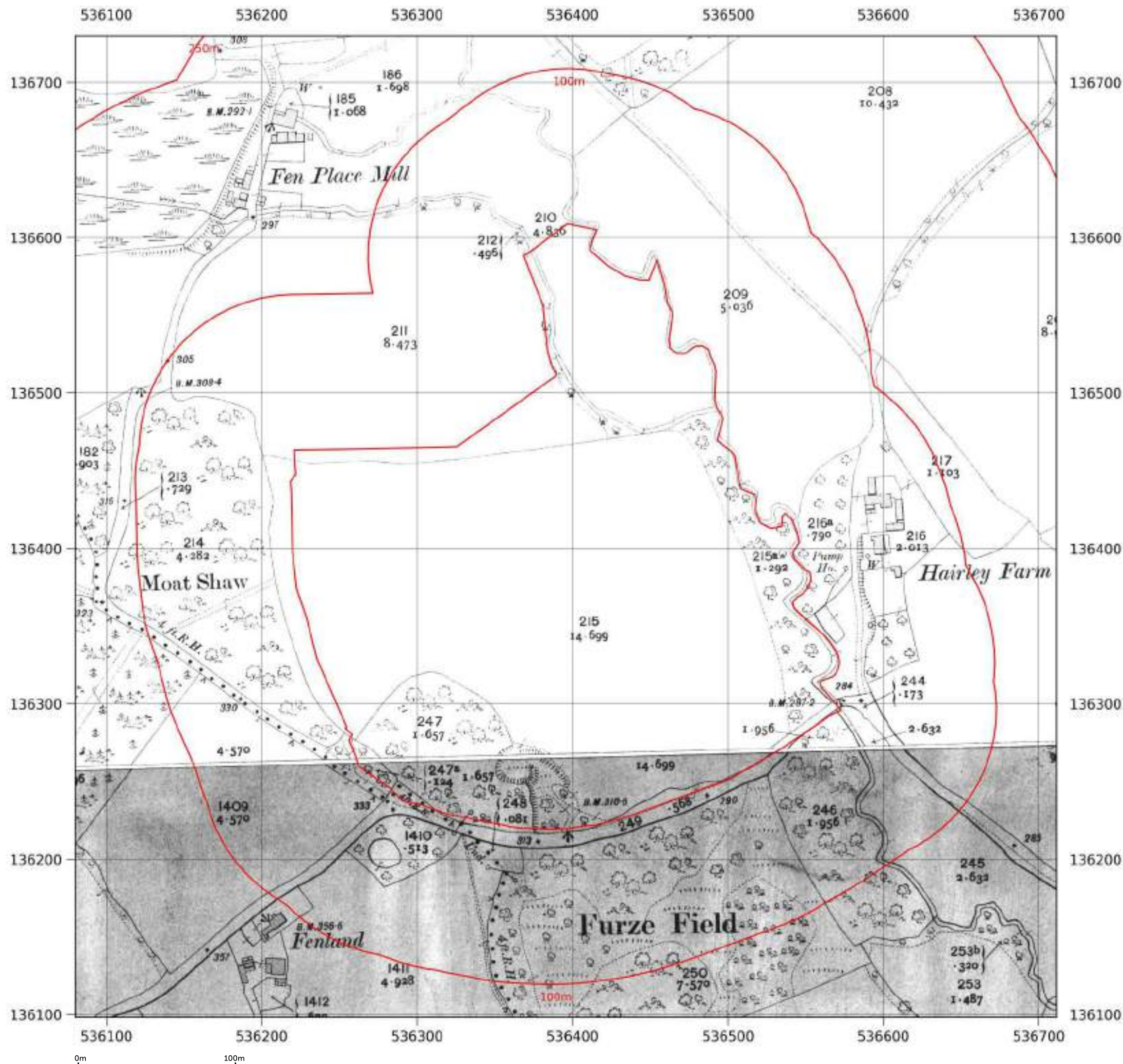
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Date: 1910
Surveyed: 1910
Revised: 1910

Date: 1910
Surveyed: 1910
Revised: 1910

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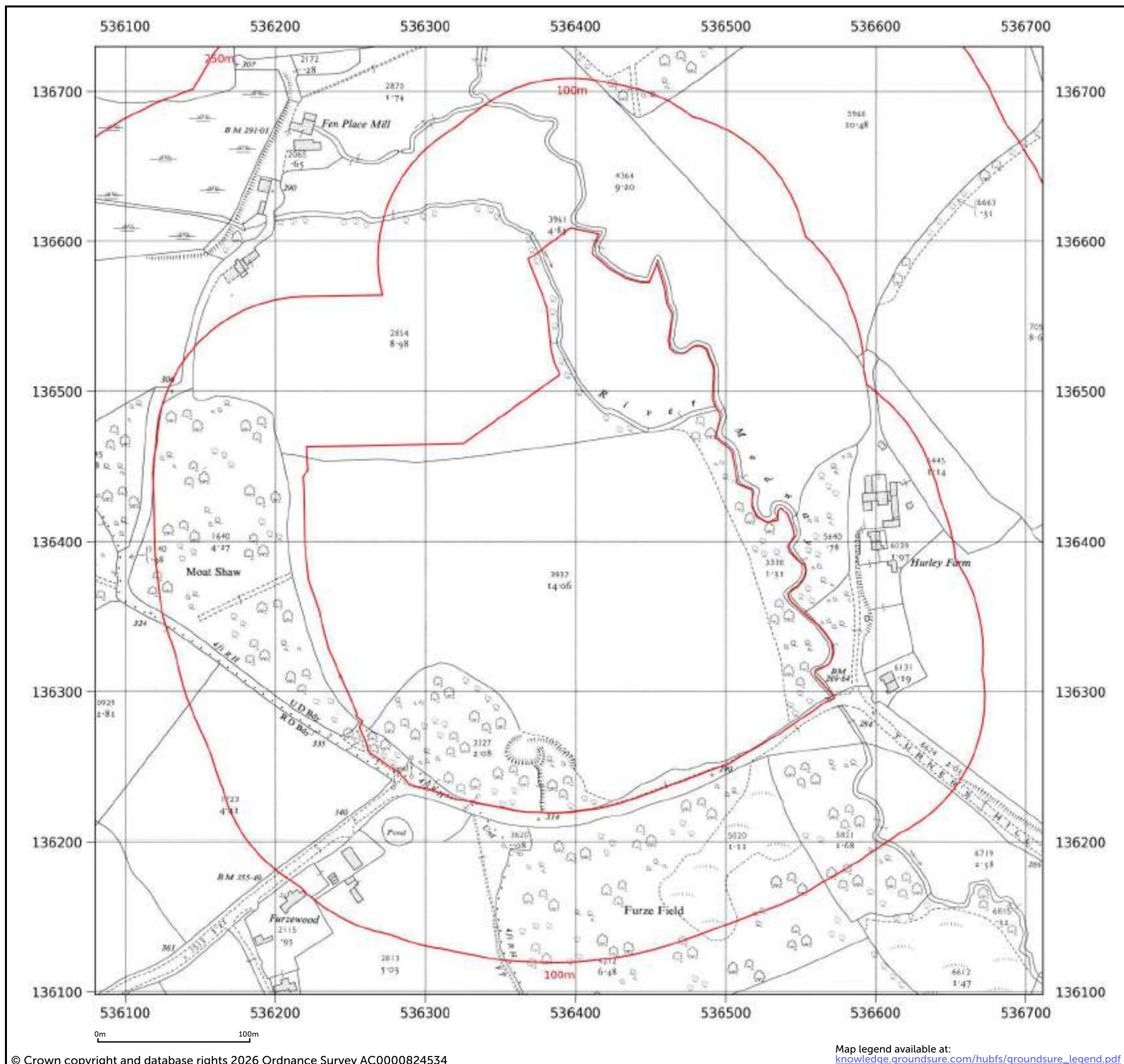
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Grid ref: 536393.14, 136377.26
Production date: 23 June 2026

Map name: National Grid
Map date: 1959
Scale: 1:2,500
Printed at: 1:2,500



Date: 1959
 Surveyed: 1958
 Revised: 1958
 Copyright: 1959
 Levelled: 1951

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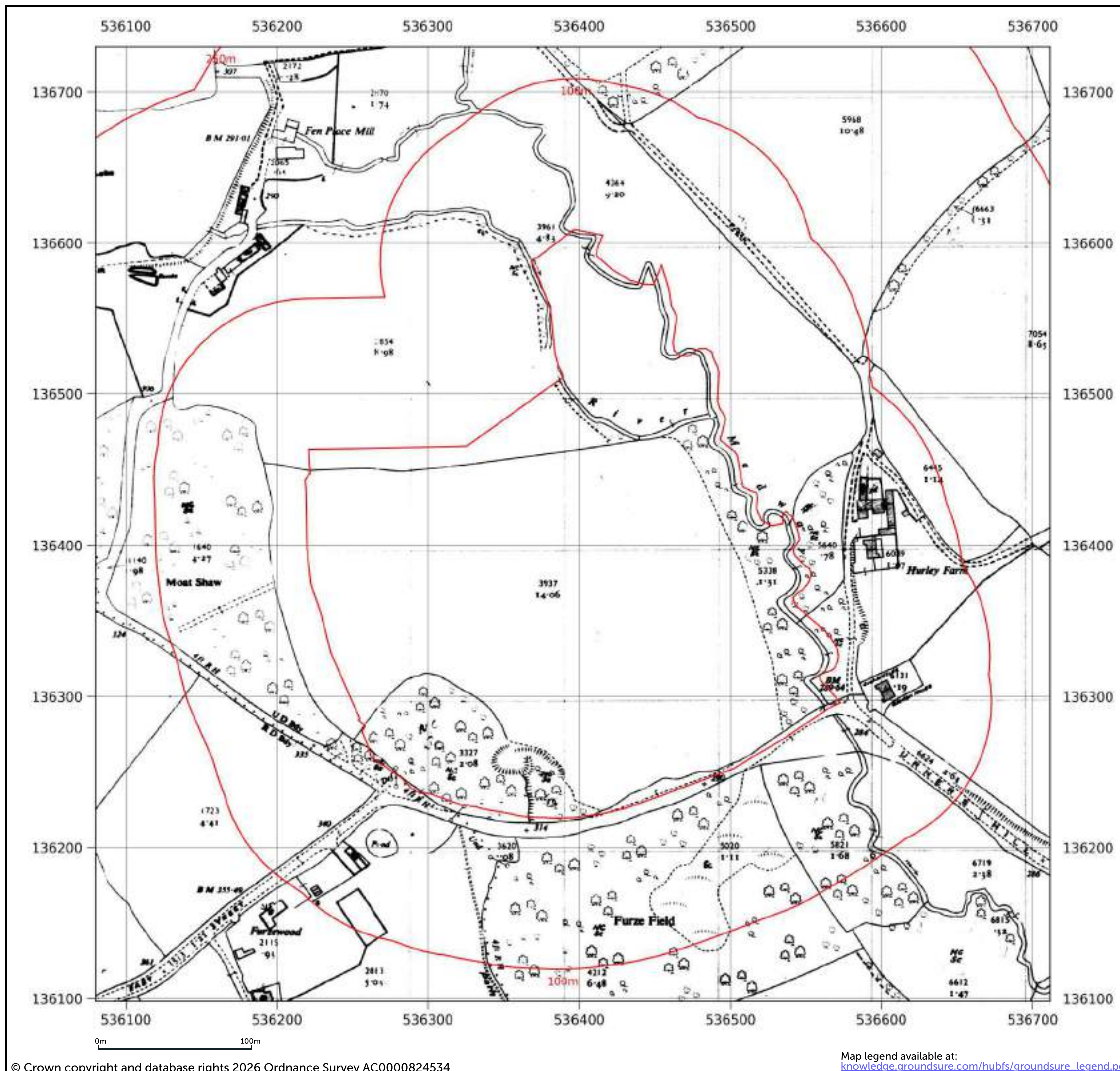
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Production date: 23 June 2026

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Printed at: 1:2,500



Date: 1975

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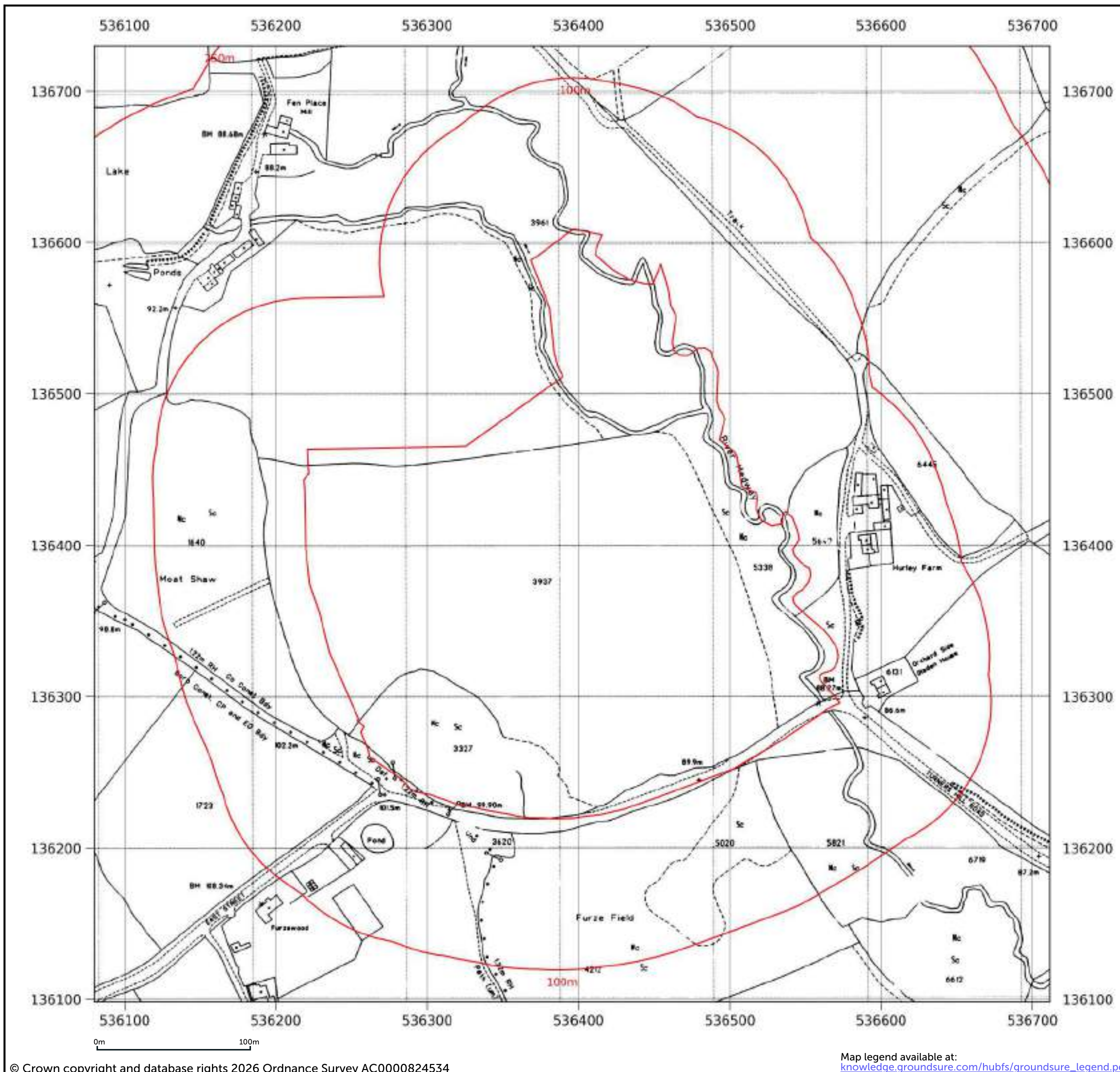
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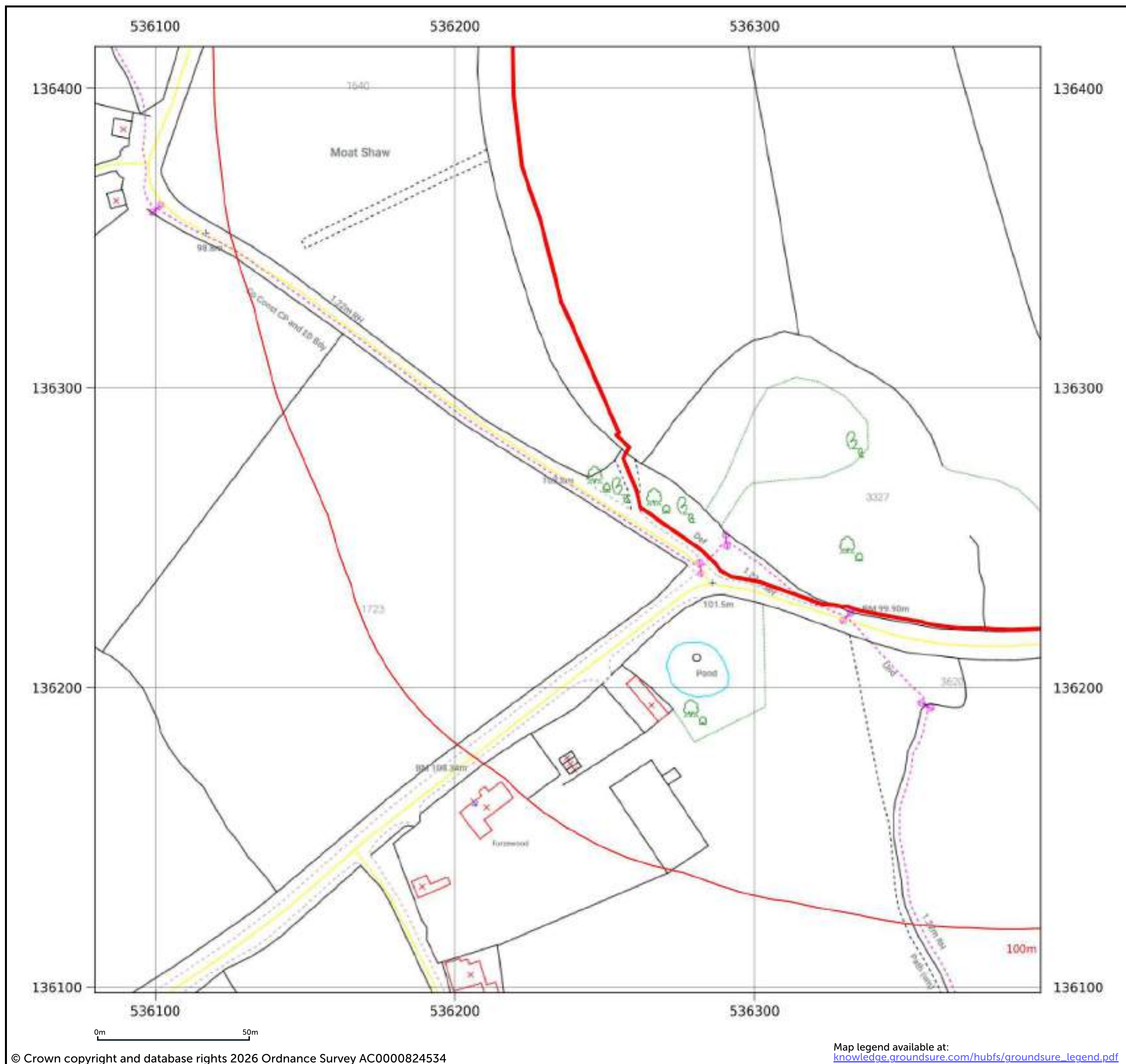
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Date: 1993
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 Copyright: 1993

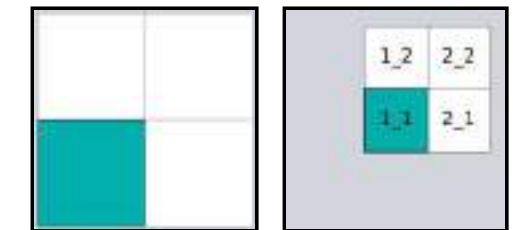
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Site details:	FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
Client ref:	P17848
Report ref:	GS-16E-GAU-958-T21
Grid ref:	536393.14, 136377.26
Production date:	23 June 2026

Map name:	LandLine
Map date:	2003
Scale:	1:1,250
Printed at:	1:1,250



Contact us with any questions at:

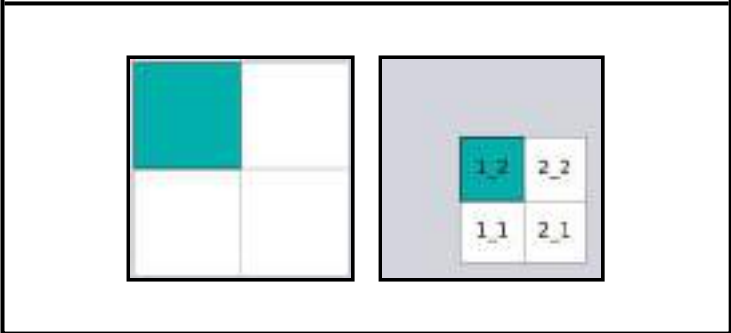
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Site details:	FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
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Report ref:	GS-16E-GAU-958-T21
Grid ref:	536393.14, 136377.26
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Map name:	LandLine
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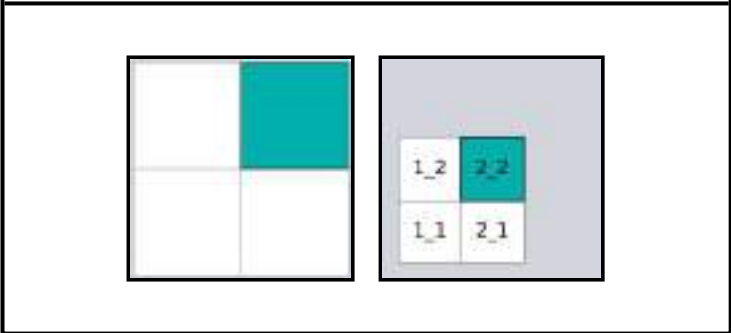
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Site details:	FEN PLACE MILL, EAST STREET, TURNERS HILL, WEST SUSSEX, RH10 4QQ
Client ref:	P17848
Report ref:	GS-16E-GAU-958-T21
Grid ref:	536393.14, 136377.26
Production date:	23 June 2026

Map name:	LandLine
Map date:	2003
Scale:	1:1,250
Printed at:	1:1,250





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