

# Proposed New Annexe, Rame Cottage, Rame Common, Rame, TR10 9LP

## Report details

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**Reviewed by:** Giles Maund

**Date:** 21/11/2023

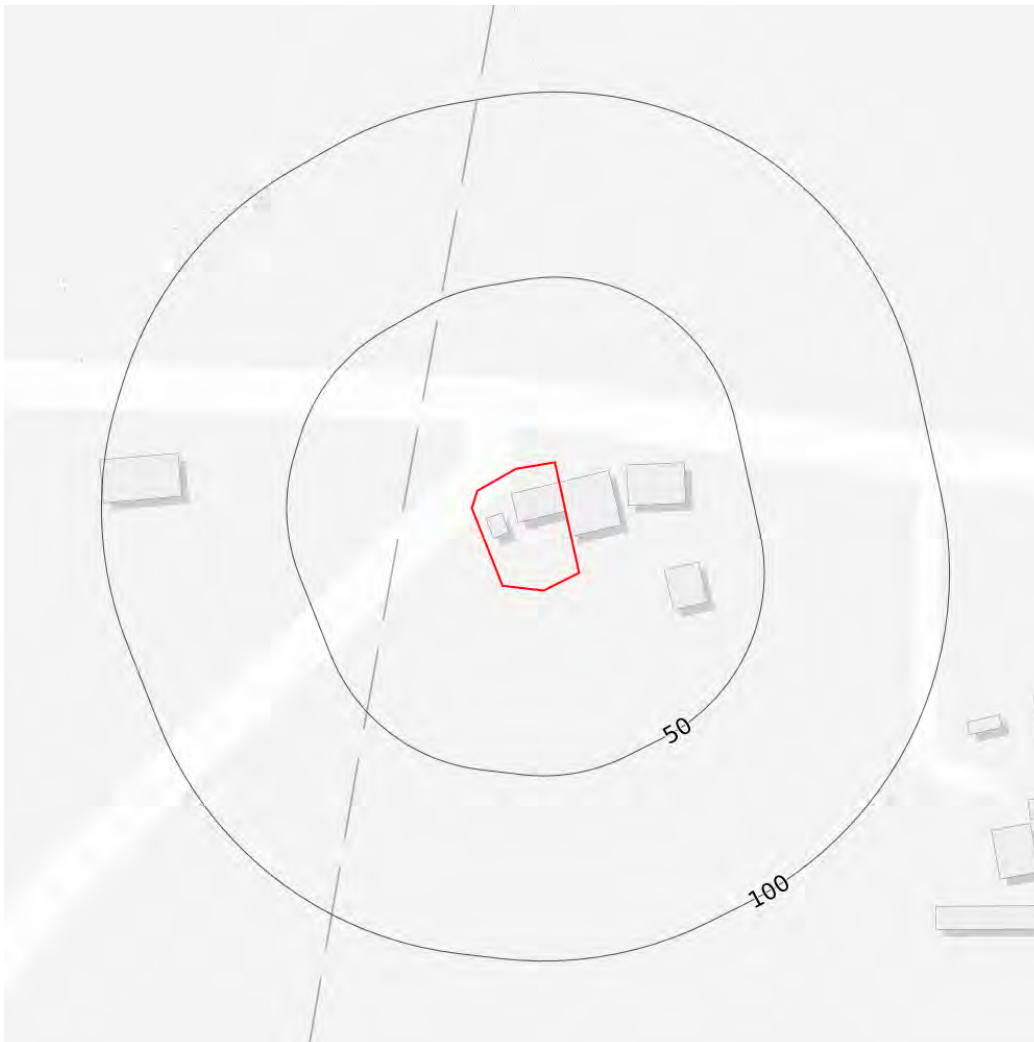
**Location:** 172385 034234

**Report ref:** GEO2020786183

**Area** 0.06 ha

**Status:** Final

**Client:** Simon Spear/ CIS (UK) Ltd.



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## Executive Summary

On instruction of Simon Spear and CIS (Uk) Ltd. a Contaminated Land Desk Study Phase I has been carried out for Proposed New Annexe, Rame Cottage, Rame Common, Rame, TR10 9LP.

The results from the Contaminated Land Desk Study Phase I Report indicate that potential contaminants are at levels which do not pose a risk to human health. It is therefore considered that the subject site is 'suitable for its intended use', and no remedial works as regards to potential contamination are necessary.

The property is in a Radon Affected Area as defined by the Health Protection Agency (HPA), as between 10% and 30% of properties in the area are above the Action Level. Full radon protective measures are necessary for the construction phase of the development.

The identified risks along with the required actions are summarised in the table below:

Assessment	Result	Action Required (Y/N)?
Land Contamination (Phase 1)	Low	N: No further action required, site considered 'suitable for use'.
Radon	High	Y: Full Radon Protection

**Table 1:** Report summary table. \*Please refer to conclusion and recommendation section for full details.

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- **Appendix A - Groundsure Enviro Geo Insight**
- **Appendix B - Historical Maps**

# 1 Introduction

Further to your request, we are pleased to present our Contaminated Land Desk Study Phase I Report for the subject site.

This report provides a preliminary assessment of the site based on historical information, the geological and environmental setting in accordance with the Land Contamination Risk Management (LCRM 2021) as set out by the Environment Agency. As part of this a Metalliferous Mining Search has been carried out for the subject site, which identifies possible ground stability issues and helps to identify possible contamination sources originating from historic mining activity.

All available and relevant information relating to the potential contamination of the site is used to construct an initial conceptual site model (CSM) with regards to contaminants.

A preliminary risk assessment is then carried out, categorising the apparent risk(s) associated with the site in relation to the current and proposed future land use. This report is considered suitable to satisfy the preliminary planning application for the proposed development of the site. The preliminary risk assessment has been conducted in general accordance with LCRM 2021, GPLC 1 and BS10175.

We understand the following planning application relates to the proposed development of the site:

PA23/08343: Rame Cottage, Rame Common, Rame, TR10 9LP - Conversion and extension of existing garage into an annexe to house an elderly relative.

## 2 Risk Assessment Methodology

An assessment of environmental risk associated with geo-environmental ground conditions is made in respect of the Environmental Protection Act 1990, the Water Resources Act 1991, the Environmental Damage Regulations 2015 and associated legislation, to provide a balanced and considered opinion of the property regarding the intended end use. Where applicable, recommendations are made in respect of further actions considered to be appropriate.

The report discusses the potential commercial implications of the identified risks with reference to the following risk assessment definitions (based on CIRIA C552):

### 2.1 Consequence

This is based on an assessment of the most likely outcome. All assessments have a degree of uncertainty.

**Minor:** *Site considered suitable for present use and environmental setting. Contamination may be present but unlikely to have an unacceptable impact on key targets. No action needed while the Site remains in present use.*

- No permanent health effects
- Easily repairable damage to buildings

**Mild Risk:** *Site is considered suitable for present use and environmental setting. Contamination may be present but unlikely to have an unacceptable impact on key targets. Action unlikely to be needed in present use.*

- Pollution of non-sensitive water resources
- Minor changes to crops, buildings, structures and services

**Medium Risk:** *Site may not be suitable for present use or environmental setting. Contamination may be present, and likely to have unacceptable impact on key targets. Action may be needed in the medium term.*

- Chronic damage to human health
- Pollution of controlled waters
- Significant change in ecosystem
- Minor repairable damage to property

**Severe Risk:** *Site probably or certainly unsuitable for present use or environmental setting. Contamination probably or certainly present and likely to have an unacceptable impact on key targets. Urgent action needed.*

- Short term (acute) risk to human health likely to result in significant harm
- Short term (acute) risk to a sensitive water resource
- Significant short-term risk to an ecosystem or organism forming part of an ecosystem
- Catastrophic damage to property

## 2.2 Likelihood

**High Likelihood:** There is a pollution linkage and an event either appears very likely in the short term or almost inevitable in the long term, or there is evidence at the receptor of harm or pollution.

**Likely:** 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 will occur. Circumstances are such that an event is not inevitable, but possible in the short term and likely over the long term.

**Low Likelihood:** 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 an event would take place, and is less likely in the shorter term.

**Unlikely:** There is a pollution linkage but circumstances are such that it is improbable that an event would occur even in the very long term.

Likelihood	Consequence (hazard-pathway-target)			
	Severe	Medium	Mild	Minor
High	High	High	Moderate-High	Moderate
Likely	High	Moderate-High	Moderate	Low-Moderate
Low	Moderate-High	Moderate	Low-Moderate	Low
Unlikely	Moderate	Low-Moderate	Low	Low

Table 2: Risk table.

## 3 Previous Works

Groundsure Ltd are aware of previous works having been carried out at the Site, the works relevant to this report are summarised below:

### 1.1 Landmark Homecheck Mining And Subsidence - September 2018

A Landmark Homecheck Mining and Subsidence Report (ref: 181304535) was conducted by Landmark Information on 27 September 2018.

The report states that:

“The property has been identified in an area that might have been used for mining other than coal in the past.”

### 3.2 Landmark Homecheck Environmental - September 2018

A Landmark Homecheck Environmental Report (ref: 180022094\_1\_1) was conducted by Landmark Information on 17 September 2018.

The report states:

“Is unlikely the property would be designated “contaminated land” within the meaning of part 2A of the Environmental Protection Act 1990.”



## 4 Site Definition

The Site is approximately 0.06 ha in size and is centered approximately on Ordnance Survey National Grid reference Easting 172385, Northing 034234. The Site is located within the village of Rame, approximately 4.2 miles west of Penryn.

The site comprises a two storey dwelling, raised grassed lawn and flower beds, a detached garage and paved patio area. The dwelling consisted of external elevations of block and render construction, under a pitched gable roof under slate tiles. The site was bound by a combination of masonry walls, wooden fencing and mature hedging.

### 4.1 Site Walkover

A site walkover was conducted on 16 November 2023. During the Walkover survey, the site was inspected for visible signs of contamination and for any activities that have the potential to cause contamination. Site photographs taken during the walkover are presented at the end of this report.

The site walkover revealed that the site is composed of a residential property with a dwelling, set within an enclosed garden area, with a detached garage, and paved driveway. The surrounding land was predominantly common and agricultural land, with sporadic residential properties.

The dwelling consisted of elevations of block and render construction, with a pitched gable roof under slate tiles. The detached garage consisted of a flat roof, block and render construction, located close to the western property boundary. Within the enclosed garden area, a raised grassed lawn and flower beds was observed close to the southern property boundary, a large paved patio area was observed lying below the lawn, to the 'front' of the dwelling. The terracing of the raised lawn and patio all followed the natural topography of the site.

The grassed lawn, and flower beds all looked to be in good condition, with no evidence of die back. The lower paved patio area had some standing water, however this was likely due to recent rainfall, and poor drainage to the hardstanding area.

The site is bounded on its eastern, western and southern sides by a combination of masonry walls, wooden fencing and mature hedging.

No invasive species were observed during the site walkover. There were a number of mature trees and plants located in the hedgerows and along the boundaries of the site. The trees and vegetation all seemed to be of a healthy condition.

Multiple services were observed coming into the property. BT and electricity were observed entering the property via overhead cables. A septic tank was observed within the grassed lawn area. Water to the dwelling looked to be recently replaced, or updated, with new piping and an area of patio removed to accommodate. An external boiler, and oil tank were both observed close to the external elevations of the dwelling. The oil tank was aged, however was in good condition, with no evidence of leaks.

There were no obvious spills or odours which would suggest the presence of fuel spill or leaks during the walkover.

## 5 Site History

As part of the Groundsure Report, the available Ordnance Survey plans published which cover the site has been included (Appendix A). Other available historical maps have also been referenced, where relevant. The following has been noted from the plans, which have been examined in chronological order starting with the earliest plan (Appendix B).

Date	Land Use	Potential Contaminants
1881 - 1888	<p><b>On site</b> A building is located on site.</p> <p><b>Off site</b> Rame Common lies to the NW of the site. A spring lies approximately 150m NE of the site. There is a shaft recorded over 250m SW of the site. Quarrying activity over 500m from the site in the local area. A smithy is located over 500m W of the site.</p>	None identified
1907 - 1909	<p><b>On site</b> No significant changes.</p> <p><b>Off site</b> A quarry is located immediately to the west of the site. Some local development.</p>	None identified
1962 - 1977	<p><b>On site</b> No significant changes.</p> <p><b>Off site</b> No significant changes. Some development of the local area. In 1977 Stithians reservoir was recorded over 750m NW of the site.</p>	None identified
1995 - 2023	<p><b>On site</b> Dwelling on site is extended.</p> <p><b>Off site</b> High voltage pylons constructed to the west of the property. A new building is located W to the site. Further development to the local area.</p>	None identified
Aerial Photograph	There are no indications of contaminative activities on the available aerial imagery for the site.	None identified

Table 2: Site history summary.

## 6 Geology Setting

The 1:50,000 scale BGS Geological Mapping shows the bedrock in the area as being "Carnmenellis Intrusion – Microgranite". The Carnmenellis Intrusion dominates the geology of the surrounding area. Records show the bedrock has a low to moderate permeability with a fracture flow type.

### 6.1 Other Geological Hazards

The British Geological Survey natural ground stability hazard datasets indicate the following hazard ratings for the site.

Hazard	On Site	Off Site
Shrink - Swell Clay	Negligible	Very Low
Landslides	Negligible	Very Low
Ground Dissolution	Negligible	Negligible
Compressible Ground	Negligible	Negligible
Collapsible Deposits	Very Low	Very Low
Running Sand	Negligible	Very Low
Artificial Ground	Negligible	Negligible

Table 3: Summary of geological hazards.

### 6.2 Artificial ground

No artificial ground is recorded on site.

### 6.3 Radon

The property is in a Radon Affected Area as defined by the Health Protection Agency (HPA), as between 10% and 30% of properties in the area are above the Action Level.

Full radon protective measures are necessary for the construction phase of the development.

## 6.4 BGS Estimated Background Soil Chemistry

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	40-60 mg/kg	7-9 mg/kg	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 mg/kg	15-30 mg/kg

## **7 Environmental Setting**

### **7.1 Environmental Permits, Incidents and Registers**

There are no environmental permits, incidents or registers within 250 metres of the subject site.

### **7.2 Landfill and Other Waste Sites**

There are no landfill or other waste sites recorded within 250m of the Site.

### **7.3 Current Land Uses**

There are three current industrial land uses within 250m of the site. Each entry relates to high voltage pylons, which pass the site to the west. The closest entry being 56m to the south west. These are not considered to impact the site proposal.

There are no petrol, fuel sites or underground high pressure oil and gas pipelines within 500m of the subject site.

### **7.4 Historical Land Uses**

There are two previous recorded historical land uses within 250m of the site. Both entries relate to unspecified quarries operating to the west of the site. The closest record being 18m to the west of the property. Both of the recorded quarries operated up until 1958. The quarries are located downhill from the subject site, and lie outside of the site boundary. It is considered that the local quarrying activity is unlikely to pose a risk to the subject site.

There are no petrol, fuel sites or underground high pressure oil and gas pipelines within 500m of the subject site.

## 8 Hydrogeology

### 8.1 Aquifer within superficial Deposits

An aquifer within superficial deposits is recorded approximately 159.0 metres north of the site and is designated as Secondary (undifferentiated) – *‘assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type.’*

This is considered to be located at such a distance from the subject site so as not to be impacted by the proposed development.

### 8.2 Aquifer within bedrock geology

The geological classification for groundwater vulnerability within the bedrock geology on site is designated as a Secondary ‘A’ aquifer - *“Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers”*

### 8.3 Water Abstraction Licenses

There are no Groundwater, Surface Water or Potable Water Abstraction Licenses within 250 metres of the site.

### 8.4 Source Protection Zones

There are no Source Protection zones within confined aquifers located within 250 metres of the site.

## 9 Hydrology

There is one river network located within 250 metres of the site.

There is one surface water feature located within 250 metres of the site.

### 9.1 Flooding

There are no Environment Agency Zone 2 or Zone 3 floodplains located within 250 metres of the site.

The British Geological Survey has identified no areas of groundwater flooding susceptibility within 50 metres of the site. The area is not considered to be prone to groundwater flooding based on the rock type.

### 9.2 Designated Environmentally Sensitive Sites

There are no Designated Environmentally Sensitive Sites within 500 metres of the subject site.

## 10 Conceptual Site Model

### 10.1 Introduction

The legal definition of Contaminated Land, taken from Section 78, Part IIA of The Environmental Protection Act (1990), defines contaminated land as:

“...Any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land that:

- A. significant harm is being caused or there is a significant possibility of such harm being caused; or,
- B. pollution of controlled waters is likely to be caused.”

The assessment of contaminated land uses the concept of the 'pollutant linkage', which requires the following elements (as defined in LCRM 2021):

#### Contaminant

- A substance that is in, on or under the land and has the potential to cause harm or to cause pollution of controlled waters.

#### Pathway

- A route or means by which a receptor can be exposed to, or affected by, a contaminant.

#### Receptor

- In general terms, something that could be adversely affected by a contaminant, such as people, an ecological system, property, or a water body.

Each of these three elements can exist independently without creating an associated risk. Only when all three are present, so that a particular contaminant affects a particular receptor through a particular pathway, is it deemed that there is a potential **pollutant linkage**.

For the risk posed by a pollutant linkage to be correctly classified, each element must be identified and understood.

The planning regime uses a slightly different definition of contaminated land, in order to reflect the different context and scope of planning control.

The term 'land affected by contamination' is used, which is intended to cover cases where:

‘the actual or suspected presence of substances in, on or under the land may cause risks to people, property, human activities or the environment, regardless of whether or not the land meets the statutory definition in Part IIA.’ (Planning Policy 23, 2004)

A significant difference is that under the planning regime, risks have to be assessed based upon the 'suitable for use' approach, where it is ensured that land 'is suitable for its current and any new use, as planning permission is given for that new use' (DEFRA Circular 01/2006, 2006).



It should also be noted that for planning purposes, it is immaterial whether the presence of 'contaminants' arise from anthropogenic or 'human' activity, or are naturally occurring.

## 10.2 Hazard Identification

We have examined the information supplied within the historical mapping and Enviro+Geo Insight, the previous Mining Search, and other site specific information regarding the site. We have also undertaken a site walkover.

## 10.3 Contaminated Land

From an examination of the information, the following potential 'contaminants' have been identified:

- **Radon gas**

The following potential 'pathways' have been identified:

- **Migration through ground**

The following potential 'receptors' can be considered:

- **Site workers and end users of the site**

The identified contaminants, pathways and receptors combine to create the following potential 'pollutant linkages':

Contaminants	Pathway(s)	Receptor(s)
Radon	Migration through ground	End users

Table 4: Conceptual site history summary.

# 11 Risk Assessment

The table below shows the pollution linkages identified in the previous section, along with a magnitude of risk for each identified using the guidelines outlined in CIRIA (C552) Contaminated Land Risk Assessment: A Guide to Good Practice.

Contaminants	Pathway(s)	Receptor(s)	Risk
Radon	Migration through ground	End users	High

**Table 5:** Conceptual site history and risk assessment

The initial conceptual site model therefore identifies the following risks to the named receptors:

## End Users

Full radon protective measures will be required for the site.

## Site Workers

Site workers are potentially exposed to contamination on the site through direct contact with the soil. At this stage of the assessment there is considered to be a low risk associated with site workers.

## Flora

The potential for contamination to flora on and adjacent to the site both presently and following completion of site works is considered to be low risk.

## Surface Waters

The potential for contamination of surface waters is considered to be low. There are no surface water features located within 250 metres of the site.

## Shallow/Deep Groundwater

The potential for contamination of groundwater is considered to be low for the following reasons. There are no known rapid migration pathways from surface to the groundwater, such as mine shafts within the subject site.

## Construction Materials

The potential for contamination of construction material on site is considered to be low however, confirming evidence in terms of pH and Sulphate testing of the ground would be advisable.

## 12 Conclusions

A Contaminated Land Desk Study Phase I Report has been carried out for the Proposed New Annexe, Rame Cottage, Rame Common, Rame, TR10 9LP.

The results from the Contaminated Land Desk Study Phase I Report indicate that potential contaminants are at levels which do not pose a risk to human health. It is therefore considered that the subject site is 'suitable for its intended use', and no remedial works as regards to potential contamination are necessary.

Full radon protective measures are required on-site.

## 13 Recommendations

Groundsure recommends that no further action is required with regards to contaminated land, and that the site is suitable for use.

It is recommended that as a precaution any new foundations should be inspected by a suitably qualified person. Groundsure would be happy to assist in this regard.

## 14 Limitations

This assessment has been based on a review of historical site data both from in house and external sources, and therefore our opinions given may be conjectured or based upon inferences given the information available to us.

Groundsure Ltd accepts no liability to any party not named on the report. The report may not be copied or distributed without Groundsure Ltd consent. The report applies to the named property only and shall not be used for interpreting the condition of any other property.

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<https://www.groundsure.com/groundsure-standard-terms-and-conditions-april-2023/>

## 15 Photographs - Site Walkover

The following photographs provide a representation of the site condition, observed at the time of our inspection.

Dwelling:



Detached garage:



Raised lawn/ flower bed area:



Paved patio:





Services - Septic tank in raised lawn:



Services - Water



Services - Power overhead into dwelling:



Services - BT overhead into dwelling:



Services - Oil tank:



Paved driveway:



Grassed Lawn observed in good health:



Flower beds and hedges observed in good health:





## 16 Bibliography

LCRM 2021, '*Land contamination risk management*', Guidance provided by the Environment Agency, updated April 2021

BS 10175, '*Investigation of potentially contaminated sites. Code of practice*', BS 10175: 2011+A2:2017, Dec 2017

GPLC1, 'Guiding principles for land contamination', Environment Agency, 2010

The Environmental Protection Act, Part IIA, Section 78, 1990

Planning Policy Statement 23: Planning and Pollution Control, ODPM, 2004

C552, '*Contaminated Land Risk Assessment, A Guide to Good Practice*', CIRIA, 2001



## Appendices:

- **Appendix A**

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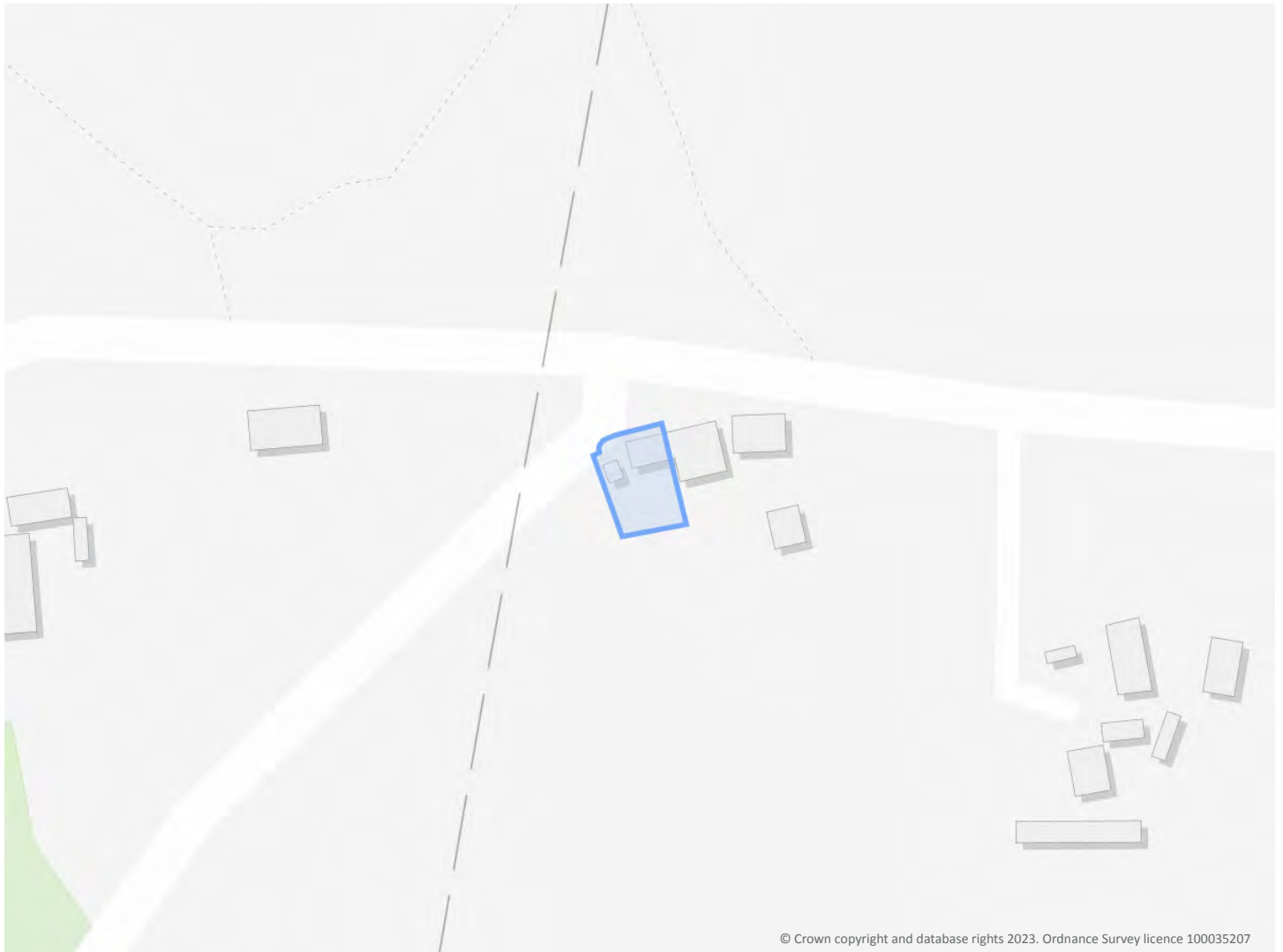
RAME COTTAGE, RAME COMMON, RAME, TR10 9LP

## Order Details

**Date:** 06/11/2023  
**Your ref:** GEO2020786183  
**Our Ref:** GSMSU-WQQ-FW6-J4Y-R97

## Site Details

**Location:** 172385 034234  
**Area:** 0.06 ha  
**Authority:** [Cornwall Council \(Unitary\)](#) ↗



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[Aerial image](#)

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[OS MasterMap site plan](#)

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Contact us with any questions at:

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

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## Summary of findings

Page	Section	<a href="#">Past land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">15 &gt;</a>	<a href="#">1.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	0	1	1	3	-
16	1.2	Historical tanks	0	0	0	0	-
16	1.3	Historical energy features	0	0	0	0	-
<a href="#">16 &gt;</a>	<a href="#">1.4 &gt;</a>	<a href="#">Historical petrol stations &gt;</a>	0	0	0	1	-
17	1.5	Historical garages	0	0	0	0	-
17	1.6	Historical military land	0	0	0	0	-
Page	Section	<a href="#">Past land use - un-grouped &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">18 &gt;</a>	<a href="#">2.1 &gt;</a>	<a href="#">Historical industrial land uses &gt;</a>	0	2	2	3	-
19	2.2	Historical tanks	0	0	0	0	-
19	2.3	Historical energy features	0	0	0	0	-
<a href="#">19 &gt;</a>	<a href="#">2.4 &gt;</a>	<a href="#">Historical petrol stations &gt;</a>	0	0	0	2	-
20	2.5	Historical garages	0	0	0	0	-
Page	Section	<a href="#">Waste and landfill &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
21	3.1	Active or recent landfill	0	0	0	0	-
21	3.2	Historical landfill (BGS records)	0	0	0	0	-
22	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
22	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
22	3.5	Historical waste sites	0	0	0	0	-
22	3.6	Licensed waste sites	0	0	0	0	-
<a href="#">22 &gt;</a>	<a href="#">3.7 &gt;</a>	<a href="#">Waste exemptions &gt;</a>	0	0	0	52	-
Page	Section	<a href="#">Current industrial land use &gt;</a>	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">27 &gt;</a>	<a href="#">4.1 &gt;</a>	<a href="#">Recent industrial land uses &gt;</a>	0	0	3	-	-
28	4.2	Current or recent petrol stations	0	0	0	0	-
28	4.3	Electricity cables	0	0	0	0	-
28	4.4	Gas pipelines	0	0	0	0	-
28	4.5	Sites determined as Contaminated Land	0	0	0	0	-



28	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-			
29	4.7	Regulated explosive sites	0	0	0	0	-			
29	4.8	Hazardous substance storage/usage	0	0	0	0	-			
29	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-			
29	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-			
29	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-			
30	4.12	Radioactive Substance Authorisations	0	0	0	0	-			
<b>30</b>	<b>&gt;</b>	<b><u>4.13</u></b>	<b>&gt;</b>	<b><u>Licensed Discharges to controlled waters</u></b>	<b>&gt;</b>	0	0	0	2	-
30	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-			
31	4.15	Pollutant release to public sewer	0	0	0	0	-			
31	4.16	List 1 Dangerous Substances	0	0	0	0	-			
31	4.17	List 2 Dangerous Substances	0	0	0	0	-			
31	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-			
31	4.19	Pollution inventory substances	0	0	0	0	-			
32	4.20	Pollution inventory waste transfers	0	0	0	0	-			
32	4.21	Pollution inventory radioactive waste	0	0	0	0	-			
Page	Section	<b><u>Hydrogeology</u></b>	On site	0-50m	50-250m	250-500m	500-2000m			
<b>33</b>	<b>&gt;</b>	<b><u>5.1</u></b>	<b>&gt;</b>	<b><u>Superficial aquifer</u></b>	<b>&gt;</b>	Identified (within 500m)				
<b>34</b>	<b>&gt;</b>	<b><u>5.2</u></b>	<b>&gt;</b>	<b><u>Bedrock aquifer</u></b>	<b>&gt;</b>	Identified (within 500m)				
<b>35</b>	<b>&gt;</b>	<b><u>5.3</u></b>	<b>&gt;</b>	<b><u>Groundwater vulnerability</u></b>	<b>&gt;</b>	Identified (within 50m)				
36	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)							
36	5.5	Groundwater vulnerability- local information	None (within 0m)							
<b>37</b>	<b>&gt;</b>	<b><u>5.6</u></b>	<b>&gt;</b>	<b><u>Groundwater abstractions</u></b>	<b>&gt;</b>	0	0	0	2	53
49	5.7	Surface water abstractions	0	0	0	0	0			
<b>49</b>	<b>&gt;</b>	<b><u>5.8</u></b>	<b>&gt;</b>	<b><u>Potable abstractions</u></b>	<b>&gt;</b>	0	0	0	0	1
49	5.9	Source Protection Zones	0	0	0	0	-			
50	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-			
Page	Section	<b><u>Hydrology</u></b>	On site	0-50m	50-250m	250-500m	500-2000m			
<b>51</b>	<b>&gt;</b>	<b><u>6.1</u></b>	<b>&gt;</b>	<b><u>Water Network (OS MasterMap)</u></b>	<b>&gt;</b>	0	0	1	-	-



<a href="#">52 &gt;</a>	<a href="#">6.2 &gt;</a>	<a href="#">Surface water features &gt;</a>	0	0	1	-	-
<a href="#">52 &gt;</a>	<a href="#">6.3 &gt;</a>	<a href="#">WFD Surface water body catchments &gt;</a>	1	-	-	-	-
<a href="#">52 &gt;</a>	<a href="#">6.4 &gt;</a>	<a href="#">WFD Surface water bodies &gt;</a>	0	0	0	-	-
<a href="#">53 &gt;</a>	<a href="#">6.5 &gt;</a>	<a href="#">WFD Groundwater bodies &gt;</a>	1	-	-	-	-

Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
54	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
54	7.2	Historical Flood Events	0	0	0	-	-
54	7.3	Flood Defences	0	0	0	-	-
55	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
55	7.5	Flood Storage Areas	0	0	0	-	-
56	7.6	Flood Zone 2	None (within 50m)				
56	7.7	Flood Zone 3	None (within 50m)				

Page	Section	Surface water flooding					
57	8.1	Surface water flooding	Negligible (within 50m)				

Page	Section	Groundwater flooding >					
<a href="#">58 &gt;</a>	<a href="#">9.1 &gt;</a>	<a href="#">Groundwater flooding &gt;</a>	Negligible (within 50m)				

Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
59	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
59	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
59	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
59	10.4	Special Protection Areas (SPA)	0	0	0	0	0
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
60	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
60	10.7	Designated Ancient Woodland	0	0	0	0	0
60	10.8	Biosphere Reserves	0	0	0	0	0
61	10.9	Forest Parks	0	0	0	0	0
61	10.10	Marine Conservation Zones	0	0	0	0	0
61	10.11	Green Belt	0	0	0	0	0
61	10.12	Proposed Ramsar sites	0	0	0	0	0



61	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
62	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
62	10.15	Nitrate Sensitive Areas	0	0	0	0	0
<b>62 &gt;</b>	<b>10.16 &gt;</b>	<b><u>Nitrate Vulnerable Zones &gt;</u></b>	1	0	1	0	2
<b>63 &gt;</b>	<b>10.17 &gt;</b>	<b><u>SSSI Impact Risk Zones &gt;</u></b>	1	-	-	-	-
64	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
65	11.1	World Heritage Sites	0	0	0	-	-
65	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
65	11.3	National Parks	0	0	0	-	-
65	11.4	Listed Buildings	0	0	0	-	-
66	11.5	Conservation Areas	0	0	0	-	-
66	11.6	Scheduled Ancient Monuments	0	0	0	-	-
66	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	<u>Agricultural designations &gt;</u>	On site	0-50m	50-250m	250-500m	500-2000m
<b>67 &gt;</b>	<b>12.1 &gt;</b>	<b><u>Agricultural Land Classification &gt;</u></b>	Grade 4 (within 250m)				
<b>68 &gt;</b>	<b>12.2 &gt;</b>	<b><u>Open Access Land &gt;</u></b>	0	1	0	-	-
68	12.3	Tree Felling Licences	0	0	0	-	-
68	12.4	Environmental Stewardship Schemes	0	0	0	-	-
68	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	<u>Habitat designations &gt;</u>	On site	0-50m	50-250m	250-500m	500-2000m
<b>69 &gt;</b>	<b>13.1 &gt;</b>	<b><u>Priority Habitat Inventory &gt;</u></b>	0	2	1	-	-
<b>70 &gt;</b>	<b>13.2 &gt;</b>	<b><u>Habitat Networks &gt;</u></b>	1	1	1	-	-
70	13.3	Open Mosaic Habitat	0	0	0	-	-
70	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	<u>Geology 1:10,000 scale &gt;</u>	On site	0-50m	50-250m	250-500m	500-2000m
<b>71 &gt;</b>	<b>14.1 &gt;</b>	<b><u>10k Availability &gt;</u></b>	Identified (within 500m)				
72	14.2	Artificial and made ground (10k)	0	0	0	0	-
73	14.3	Superficial geology (10k)	0	0	0	0	-

73	14.4	Landslip (10k)	0	0	0	0	-
74	14.5	Bedrock geology (10k)	0	0	0	0	-
74	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	<b>Geology 1:50,000 scale &gt;</b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>75 &gt;</b>	<b>15.1 &gt;</b>	<b>50k Availability &gt;</b>	Identified (within 500m)				
76	15.2	Artificial and made ground (50k)	0	0	0	0	-
76	15.3	Artificial ground permeability (50k)	0	0	-	-	-
<b>77 &gt;</b>	<b>15.4 &gt;</b>	<b>Superficial geology (50k) &gt;</b>	0	0	1	0	-
78	15.5	Superficial permeability (50k)	None (within 50m)				
78	15.6	Landslip (50k)	0	0	0	0	-
78	15.7	Landslip permeability (50k)	None (within 50m)				
<b>79 &gt;</b>	<b>15.8 &gt;</b>	<b>Bedrock geology (50k) &gt;</b>	1	0	0	0	-
<b>80 &gt;</b>	<b>15.9 &gt;</b>	<b>Bedrock permeability (50k) &gt;</b>	Identified (within 50m)				
80	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	<b>Boreholes</b>	On site	0-50m	50-250m	250-500m	500-2000m
81	16.1	BGS Boreholes	0	0	0	-	-
Page	Section	<b>Natural ground subsidence &gt;</b>					
<b>82 &gt;</b>	<b>17.1 &gt;</b>	<b>Shrink swell clays &gt;</b>	Negligible (within 50m)				
<b>83 &gt;</b>	<b>17.2 &gt;</b>	<b>Running sands &gt;</b>	Negligible (within 50m)				
<b>84 &gt;</b>	<b>17.3 &gt;</b>	<b>Compressible deposits &gt;</b>	Negligible (within 50m)				
<b>85 &gt;</b>	<b>17.4 &gt;</b>	<b>Collapsible deposits &gt;</b>	Very low (within 50m)				
<b>86 &gt;</b>	<b>17.5 &gt;</b>	<b>Landslides &gt;</b>	Negligible (within 50m)				
<b>87 &gt;</b>	<b>17.6 &gt;</b>	<b>Ground dissolution of soluble rocks &gt;</b>	Negligible (within 50m)				
Page	Section	<b>Mining and ground workings &gt;</b>	On site	0-50m	50-250m	250-500m	500-2000m
<b>89 &gt;</b>	<b>18.1 &gt;</b>	<b>BritPits &gt;</b>	0	1	0	0	-
<b>90 &gt;</b>	<b>18.2 &gt;</b>	<b>Surface ground workings &gt;</b>	0	2	2	-	-
<b>90 &gt;</b>	<b>18.3 &gt;</b>	<b>Underground workings &gt;</b>	0	0	0	1	0
91	18.4	Underground mining extents	0	0	0	0	-
91	18.5	Historical Mineral Planning Areas	0	0	0	0	-



<a href="#">91</a> >	<a href="#">18.6</a> >	<a href="#">Non-coal mining</a> >	0	0	0	1	2
92	18.7	JPB mining areas	None (within 0m)				
92	18.8	The Coal Authority non-coal mining	0	0	0	0	-
<a href="#">92</a> >	<a href="#">18.9</a> >	<a href="#">Researched mining</a> >	0	0	0	7	-
93	18.10	Mining record office plans	0	0	0	0	-
93	18.11	BGS mine plans	0	0	0	0	-
93	18.12	Coal mining	None (within 0m)				
93	18.13	Brine areas	None (within 0m)				
93	18.14	Gypsum areas	None (within 0m)				
<a href="#">94</a> >	<a href="#">18.15</a> >	<a href="#">Tin mining</a> >	Identified (within 0m)				
94	18.16	Clay mining	None (within 0m)				
Page	Section	<a href="#">Ground cavities and sinkholes</a> >	On site	0-50m	50-250m	250-500m	500-2000m
95	19.1	Natural cavities	0	0	0	0	-
<a href="#">96</a> >	<a href="#">19.2</a> >	<a href="#">Mining cavities</a> >	0	0	0	0	1
96	19.3	Reported recent incidents	0	0	0	0	-
96	19.4	Historical incidents	0	0	0	0	-
97	19.5	National karst database	0	0	0	0	-
Page	Section	<a href="#">Radon</a> >					
<a href="#">98</a> >	<a href="#">20.1</a> >	<a href="#">Radon</a> >	Greater than 30% (within 0m)				
Page	Section	<a href="#">Soil chemistry</a> >	On site	0-50m	50-250m	250-500m	500-2000m
<a href="#">100</a> >	<a href="#">21.1</a> >	<a href="#">BGS Estimated Background Soil Chemistry</a> >	1	0	-	-	-
100	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
100	21.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	<a href="#">Railway infrastructure and projects</a>	On site	0-50m	50-250m	250-500m	500-2000m
101	22.1	Underground railways (London)	0	0	0	-	-
101	22.2	Underground railways (Non-London)	0	0	0	-	-
101	22.3	Railway tunnels	0	0	0	-	-
101	22.4	Historical railway and tunnel features	0	0	0	-	-
101	22.5	Royal Mail tunnels	0	0	0	-	-

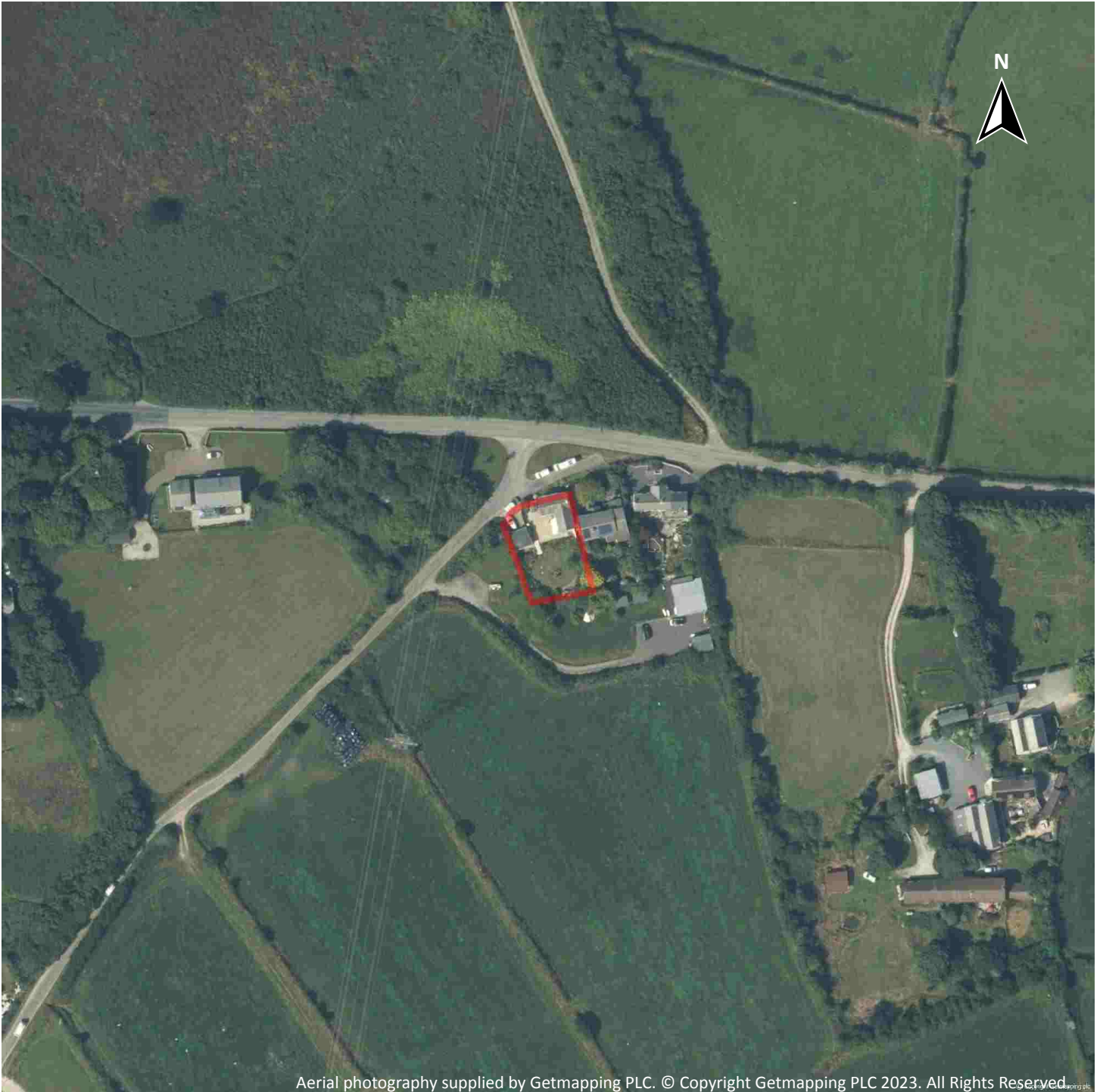




102	22.6	Historical railways	0	0	0	-	-
102	22.7	Railways	0	0	0	-	-
102	22.8	Crossrail 1	0	0	0	0	-
102	22.9	Crossrail 2	0	0	0	0	-
102	22.10	HS2	0	0	0	0	-



## Recent aerial photograph

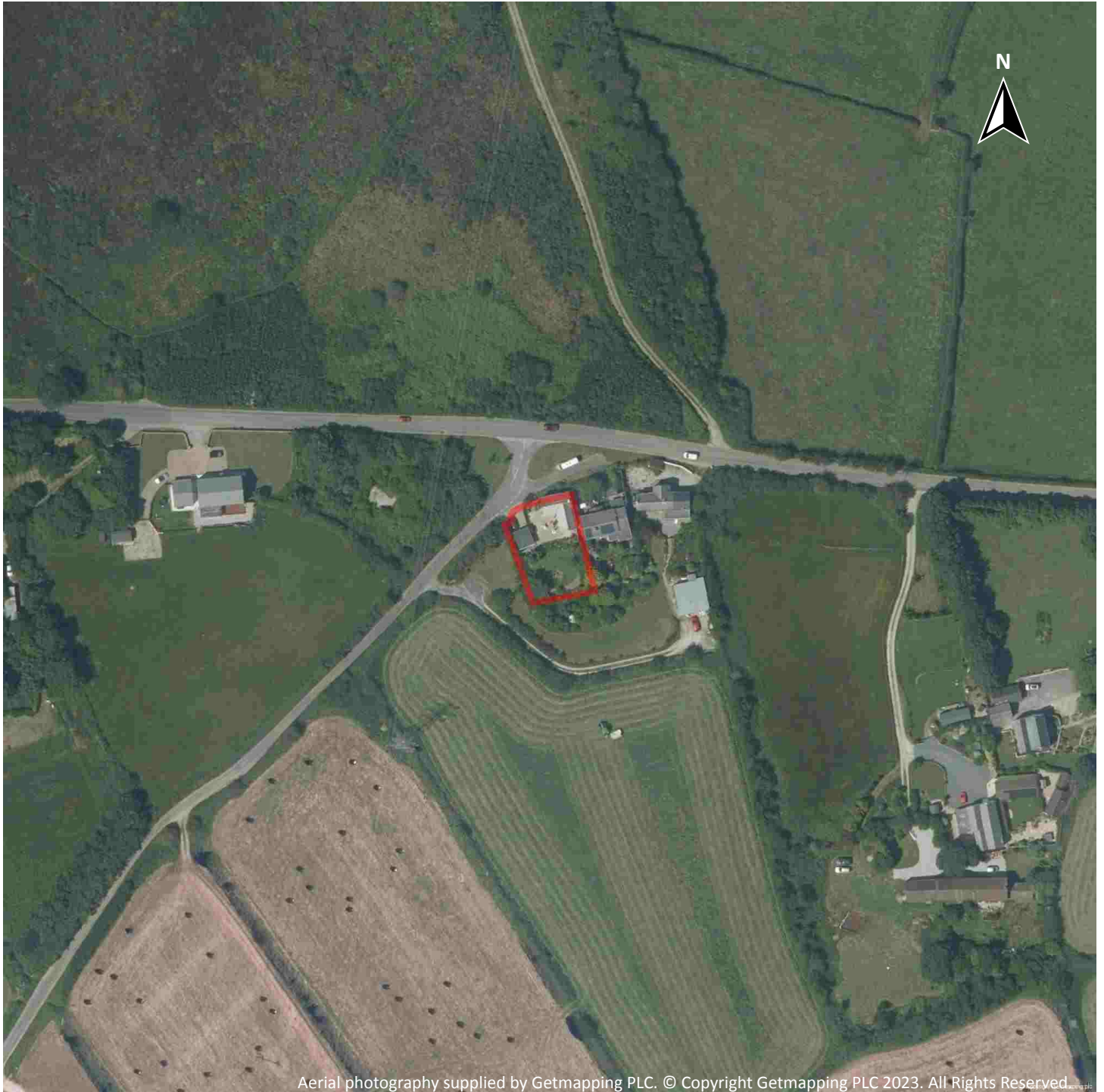


Capture Date: 06/08/2022

Site Area: 0.06ha



## Recent site history - 2019 aerial photograph

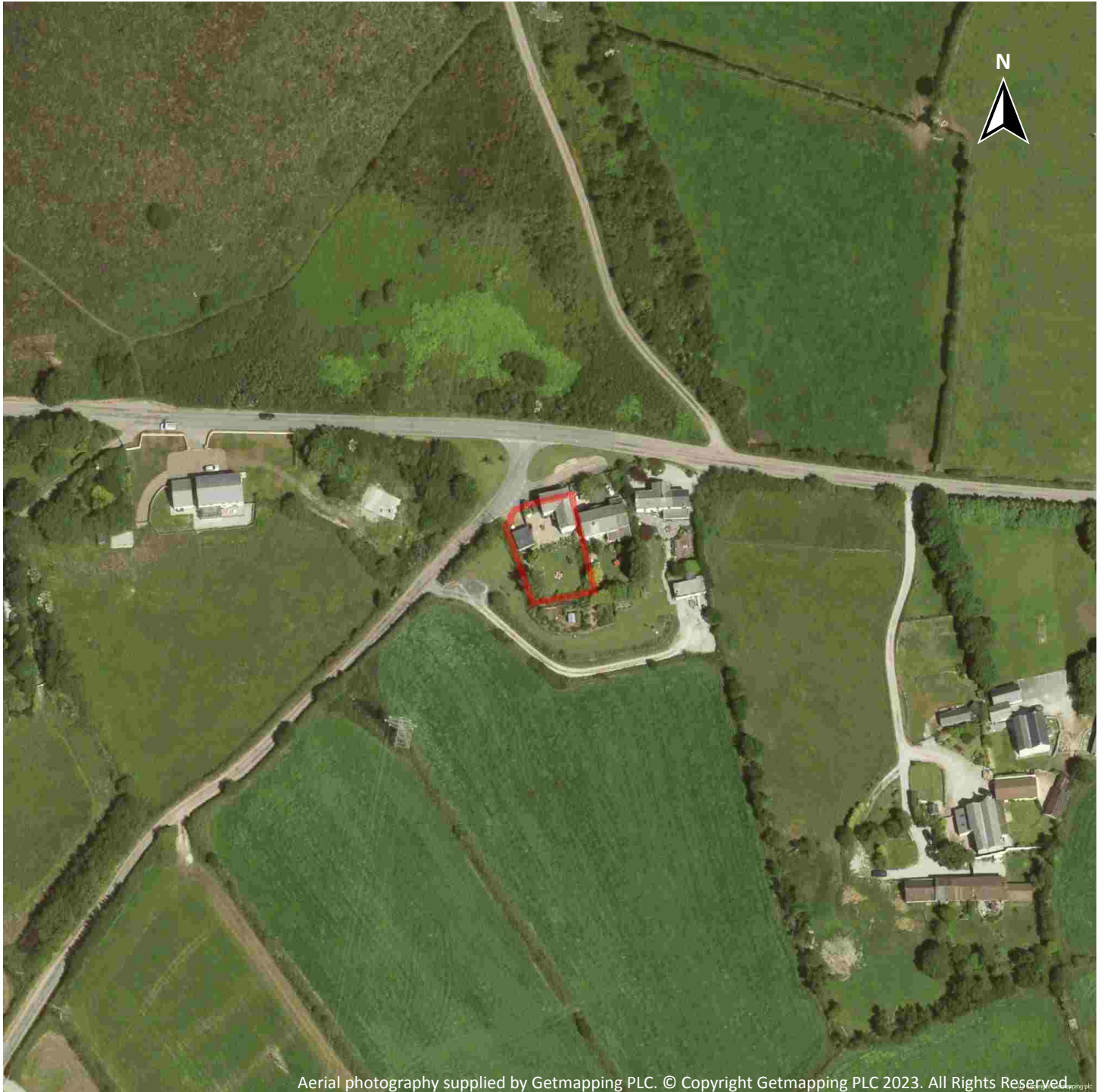


Capture Date: 04/07/2019

Site Area: 0.06ha



## Recent site history - 2013 aerial photograph



Capture Date: 10/07/2013

Site Area: 0.06ha





## Recent site history - 2005 aerial photograph



Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 09/06/2005

Site Area: 0.06ha





## Recent site history - 1999 aerial photograph



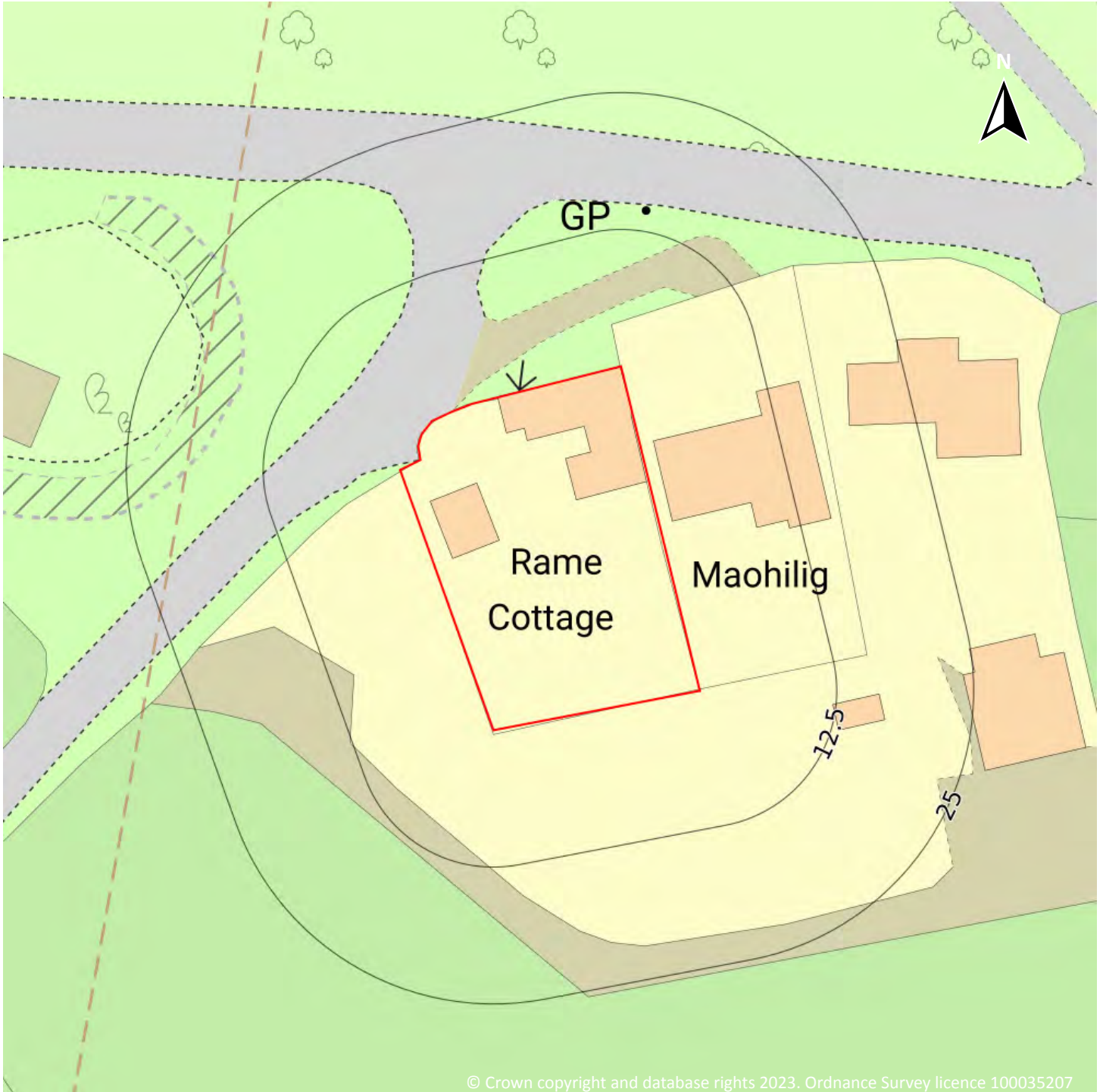
Aerial photography supplied by Getmapping PLC. © Copyright Getmapping PLC 2023. All Rights Reserved.

Capture Date: 02/09/1999

Site Area: 0.06ha



## OS MasterMap site plan

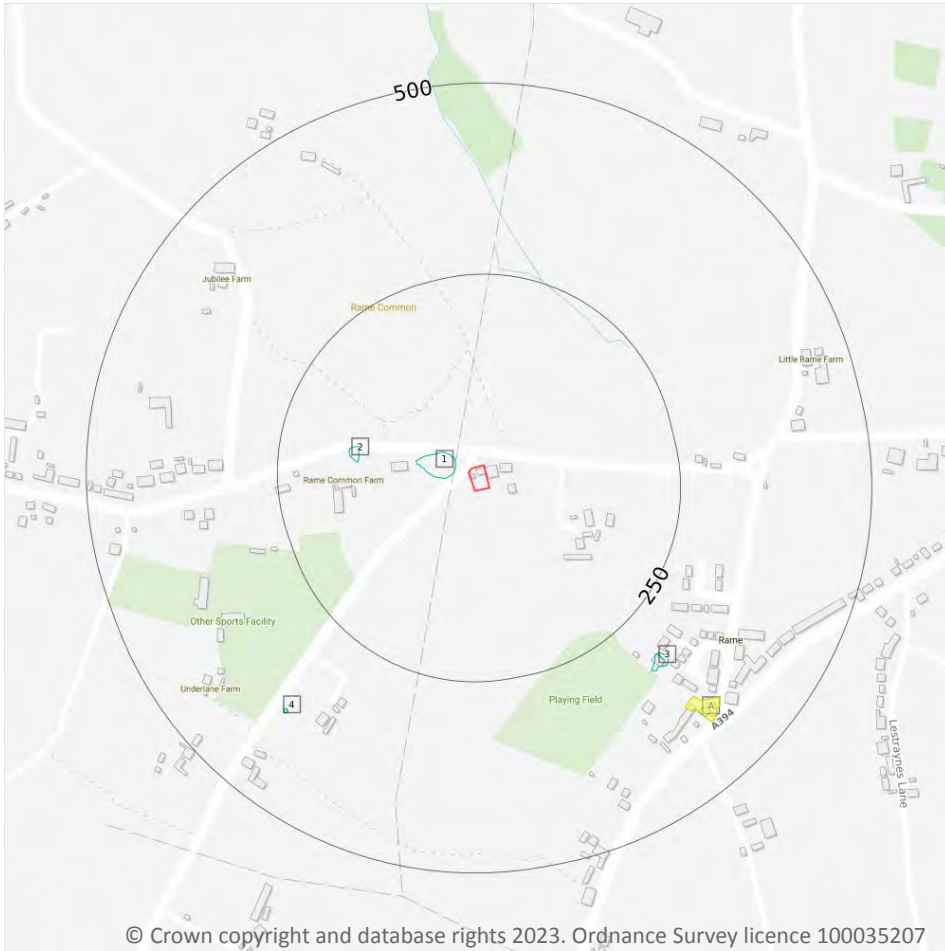


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Site Area: 0.06ha



# 1 Past land use



**Site Outline**

**Search buffers in metres (m)**

- Historical industrial land uses
- Historical petrol stations

## 1.1 Historical industrial land uses

**Records within 500m** **5**

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
1	18m W	Unspecified Quarry	1909 - 1958	51704



ID	Location	Land use	Dates present	Group ID
2	145m W	Unspecified Quarry	1909 - 1958	43728
3	308m SE	Unspecified Quarry	1958	19847
4	377m SW	Unspecified Shaft	1878	27528
A	400m SE	Gravel Pit	1878	32332

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

## 1.2 Historical tanks

**Records within 500m**

**0**

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

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

## 1.3 Historical energy features

**Records within 500m**

**0**

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

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

## 1.4 Historical petrol stations

**Records within 500m**

**1**

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'.

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



ID	Location	Land use	Dates present	Group ID
A	381m SE	Filling Station	1971 - 1989	169

*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**

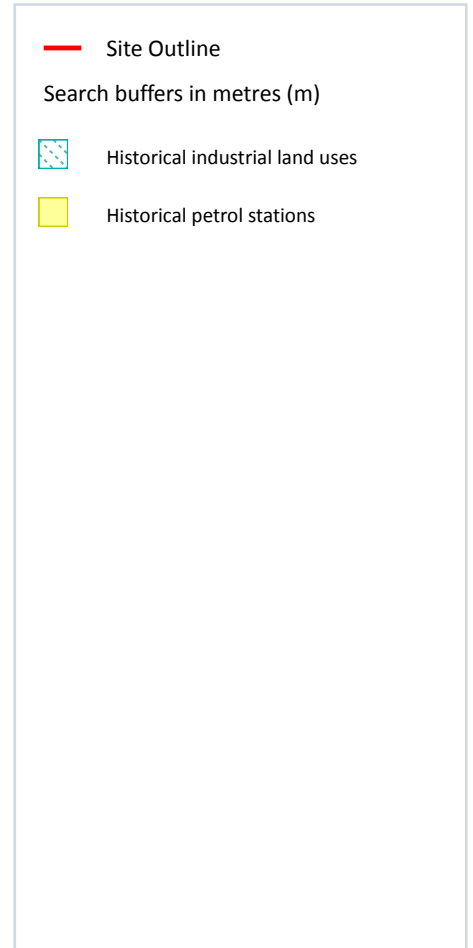
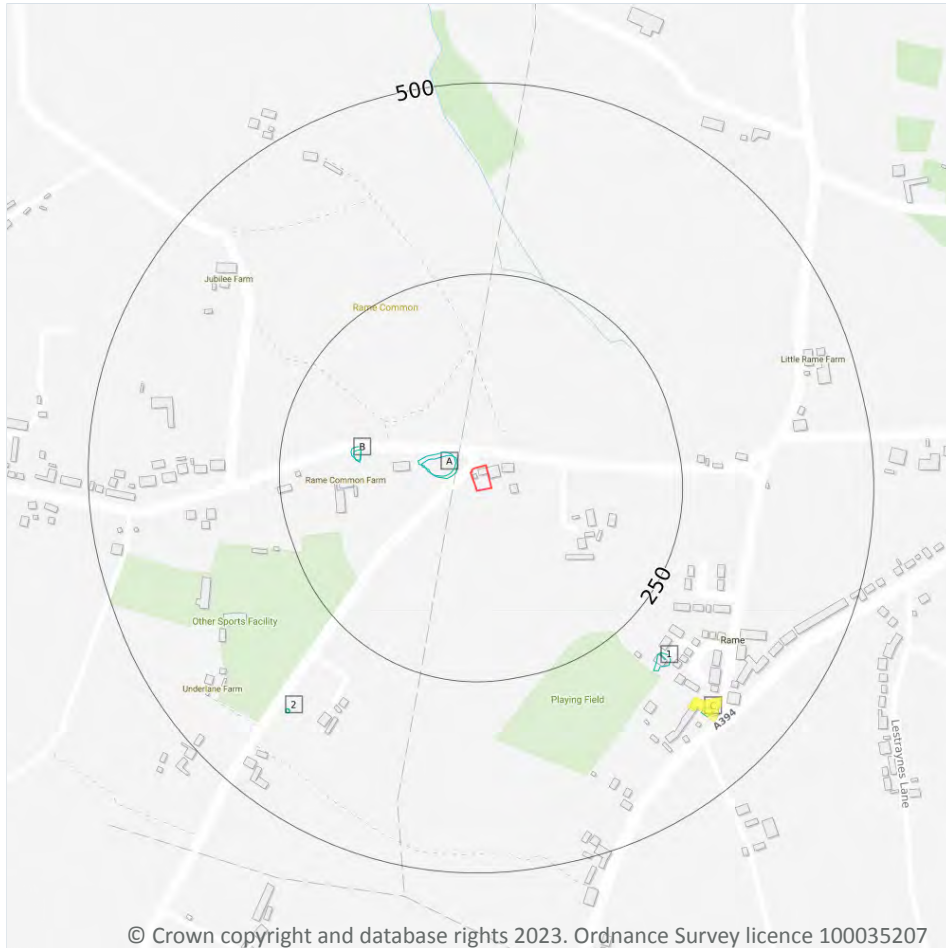
**0**

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



### 2.1 Historical industrial land uses

Records within 500m

7

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

Features are displayed on the Past land use - un-grouped map on [page 18](#) >

ID	Location	Land Use	Date	Group ID
A	18m W	Unspecified Quarry	1909	51704
A	22m W	Unspecified Quarry	1958	51704
B	145m W	Unspecified Quarry	1958	43728

ID	Location	Land Use	Date	Group ID
B	146m W	Unspecified Quarry	1909	43728
1	308m SE	Unspecified Quarry	1958	19847
2	377m SW	Unspecified Shaft	1878	27528
C	400m SE	Gravel Pit	1878	32332

This data is sourced from Ordnance Survey / Groundsure.

## 2.2 Historical tanks

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

## 2.3 Historical energy features

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

## 2.4 Historical petrol stations

Records within 500m

2

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'.

Features are displayed on the Past land use - un-grouped map on [page 18](#) >

ID	Location	Land Use	Date	Group ID
C	381m SE	Filling Station	1989	169
C	382m SE	Filling Station	1971	169

This data is sourced from Ordnance Survey / Groundsure.



## 2.5 Historical garages

Records within 500m

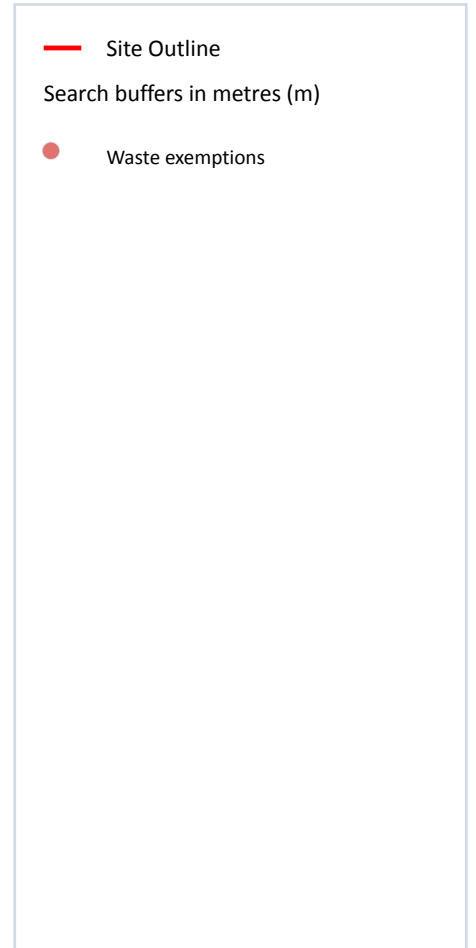
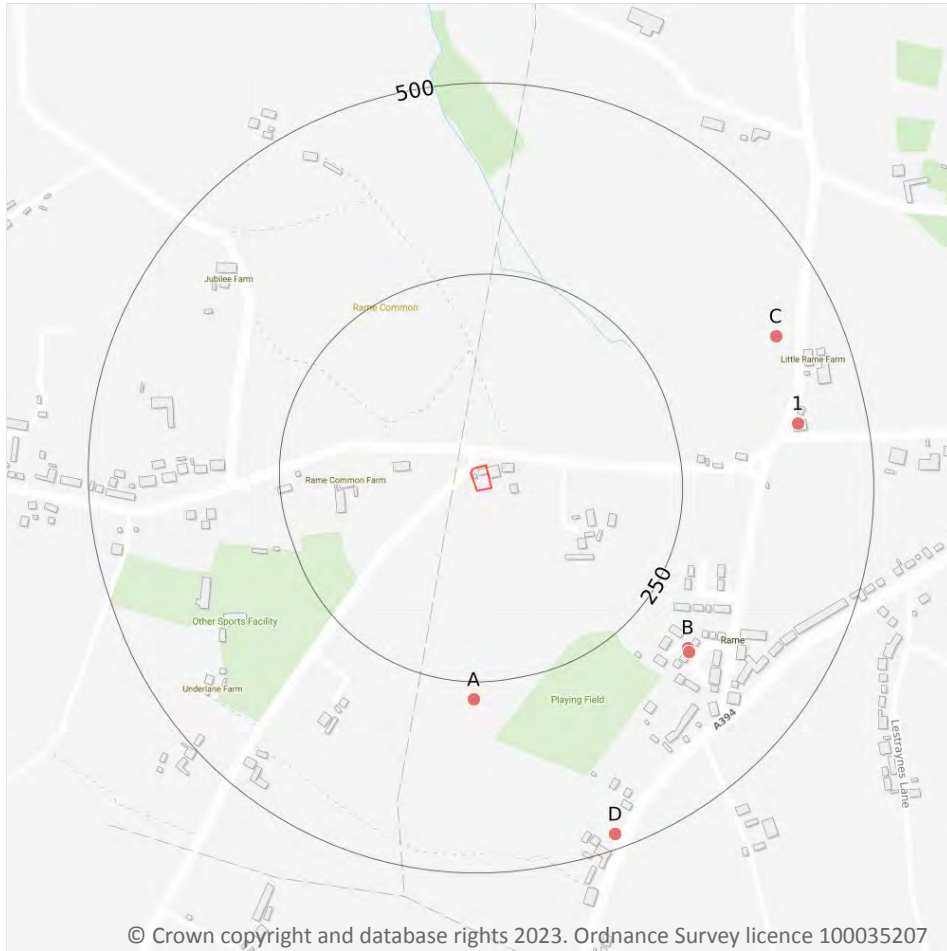
0

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



### 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

52

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 21](#) >



ID	Location	Site	Reference	Category	Sub-Category	Description
A	274m S	Lower Mangrossa Farm Rame tr10 9ea	EPR/AE5985U W/A001	Disposing of waste exemption	Agricultur al Waste Only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	274m S	Lower Mangrossa Farm Rame tr10 9ea	EPR/AE5985U W/A001	Disposing of waste exemption	Agricultur al Waste Only	Burning waste in the open
A	274m S	Lower Mangrossa Farm Rame tr10 9ea	EPR/AE5985U W/A001	Using waste exemption	Agricultur al Waste Only	Use of waste in construction
A	274m S	Lower Mangrossa Farm Rame tr10 9ea	EPR/AE5985U W/A001	Using waste exemption	Agricultur al Waste Only	Spreading waste on agricultural land to confer benefit
A	274m S	Lower Mangrossa Farm Rame tr10 9ea	EPR/AE5985U W/A001	Using waste exemption	Agricultur al Waste Only	Use of waste for a specified purpose
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Using waste exemption	On a farm	Use of waste in construction
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters





ID	Location	Site	Reference	Category	Sub-Category	Description
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Using waste exemption	On a farm	Use of waste for a specified purpose
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Disposing of waste exemption	On a farm	Disposal by incineration
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX185498	Disposing of waste exemption	On a farm	Burning waste in the open
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Disposing of waste exemption	On a farm	Burning waste in the open
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Disposing of waste exemption	On a farm	Disposal by incineration
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Using waste exemption	On a farm	Use of waste for a specified purpose
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance



ID	Location	Site	Reference	Category	Sub-Category	Description
B	331m SE	LAND AT RETANNA, EDGCUMBE, HELSTON, TR10 9NB	WEX314640	Using waste exemption	On a farm	Use of waste in construction
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Disposing of waste exemption	On a farm	Disposal by incineration
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Disposing of waste exemption	On a farm	Burning waste in the open
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Treating waste exemption	On a farm	Cleaning, washing, spraying or coating relevant waste
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Treating waste exemption	On a farm	Aerobic composting and associated prior treatment
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Treating waste exemption	On a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Using waste exemption	On a farm	Use of waste in construction
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Using waste exemption	On a farm	Spreading waste on agricultural land to confer benefit
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Using waste exemption	On a farm	Burning of waste as a fuel in a small appliance
B	335m SE	LAND AT RETANNA, WENDRON, HELSTON, TR10 9NB	WEX026677	Using waste exemption	On a farm	Use of waste for a specified purpose
1	409m E	GAYDON HOUSE, RAME CROSS, PENRYN, TR10 9DX	WEX305473	Using waste exemption	Not on a farm	Use of waste in construction
C	414m NE	-	WEX340889	Using waste exemption	On a farm	Use of waste in construction

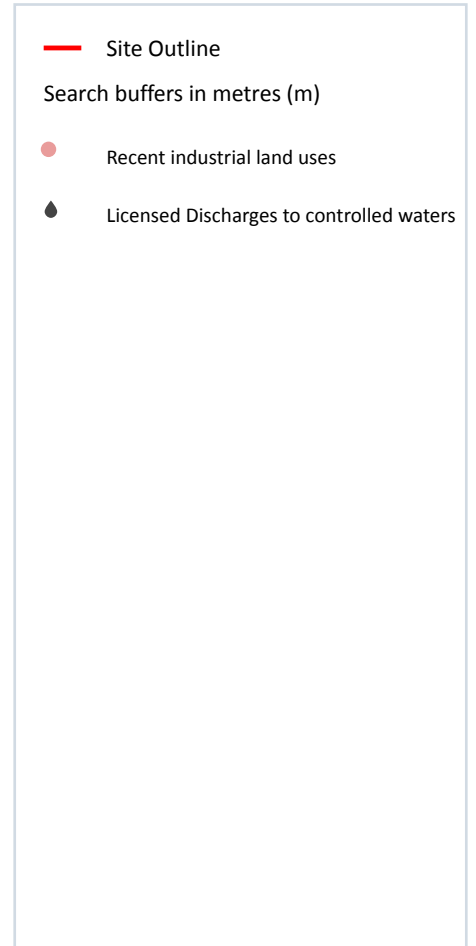
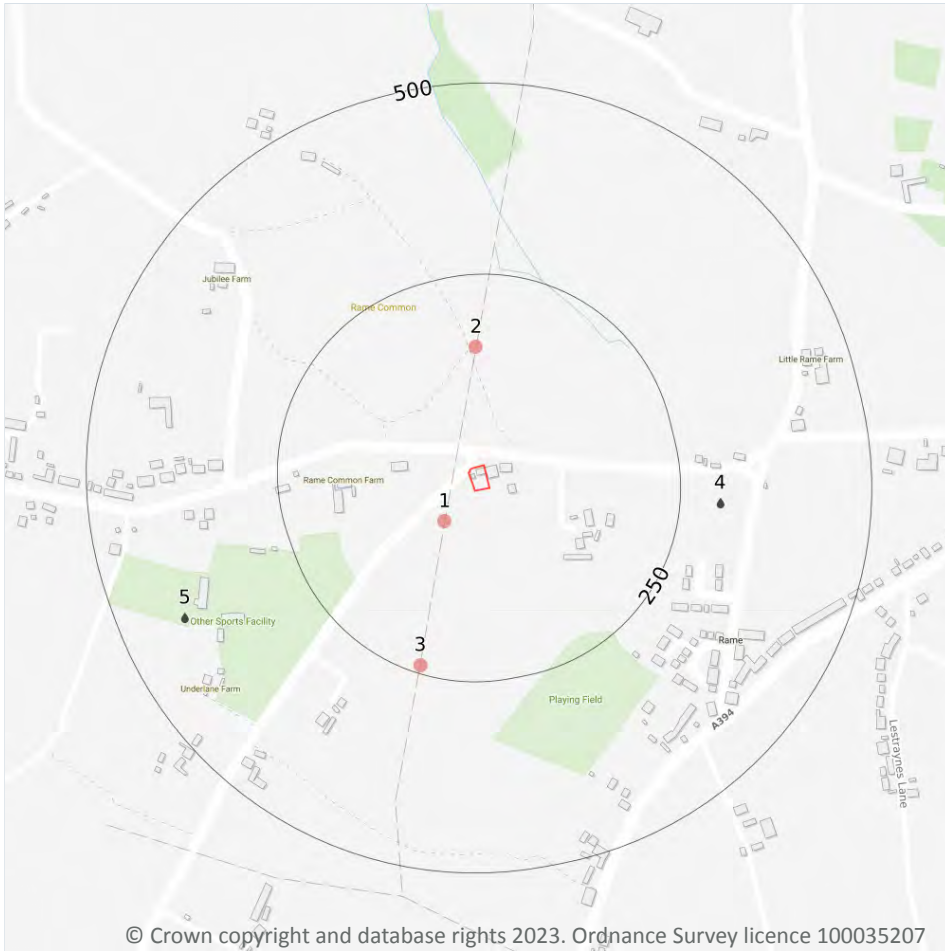


ID	Location	Site	Reference	Category	Sub-Category	Description
C	414m NE	-	WEX340889	Disposing of waste exemption	On a farm	Burning waste in the open
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Disposing of waste exemption	Agricultural Waste Only	Burning waste in the open
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Disposing of waste exemption	Agricultural Waste Only	Disposal by incineration
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in secure containers
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Storing waste exemption	Agricultural Waste Only	Storage of waste in a secure place
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Treating waste exemption	Agricultural Waste Only	Cleaning, washing, spraying or coating relevant waste
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Treating waste exemption	Agricultural Waste Only	Aerobic composting and associated prior treatment
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Treating waste exemption	Agricultural Waste Only	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Using waste exemption	Agricultural Waste Only	Use of waste in construction
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Using waste exemption	Agricultural Waste Only	Spreading waste on agricultural land to confer benefit
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Using waste exemption	Agricultural Waste Only	Spreading of plant matter to confer benefit
D	481m S	Trevease Farm Halfway House TR10 9EH	EPR/UE5788G B/A001	Using waste exemption	Agricultural Waste Only	Use of waste for a specified purpose

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



## 4 Current industrial land use



### 4.1 Recent industrial land uses

Records within 250m

3

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 27 >](#)

ID	Location	Company	Address	Activity	Category
1	56m SW	Pylon	Cornwall, TR10	Electrical Features	Infrastructure and Facilities
2	155m N	Pylon	Cornwall, TR10	Electrical Features	Infrastructure and Facilities
3	239m S	Pylon	Cornwall, TR13	Electrical Features	Infrastructure and Facilities

*This data is sourced from Ordnance Survey.*

## 4.2 Current or recent petrol stations

Records within 500m

0

Open, closed, under development and obsolete petrol stations.

*This data is sourced from Experian.*

## 4.3 Electricity cables

Records within 500m

0

High voltage underground electricity transmission cables.

*This data is sourced from National Grid.*

## 4.4 Gas pipelines

Records within 500m

0

High pressure underground gas transmission pipelines.

*This data is sourced from National Grid.*

## 4.5 Sites determined as Contaminated Land

Records within 500m

0

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

*This data is sourced from Local Authority records.*

## 4.6 Control of Major Accident Hazards (COMAH)

Records within 500m

0

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

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



## 4.7 Regulated explosive sites

Records within 500m

0

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

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

## 4.8 Hazardous substance storage/usage

Records within 500m

0

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

*This data is sourced from Local Authority records.*

## 4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

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

Records within 500m

0

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

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

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

Records within 500m

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.*



## 4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

## 4.13 Licensed Discharges to controlled waters

Records within 500m

2

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

Features are displayed on the Current industrial land use map on [page 27 >](#)

ID	Location	Address	Details	
4	302m E	RAME STW, WENDRON, CORNWALL	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: SWWA 762 Permit Version: 1 Receiving Water: TRIB OF RIVER KENNAL	Status: NEW CONSENT BY APPLICATION, GRANTED BY SEC.OF STATE Issue date: 11/11/1986 Effective Date: 11/11/1986 Revocation Date: -
5	414m SW	NEW CHANGING FACILITY AT WENDRON, CRICKET CLUB, UNDERLANE, CARNKIE, HELSTON, CORNWALL, TR13 0EH	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: 303503 Permit Version: 1 Receiving Water: SOAKAWAY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/09/2006 Effective Date: 08/09/2006 Revocation Date: 08/09/2018

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

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

Records within 500m

0

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

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



#### 4.15 Pollutant release to public sewer

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

Discharges of Special Category Effluents to the public sewer.

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

#### 4.16 List 1 Dangerous Substances

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

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

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

#### 4.17 List 2 Dangerous Substances

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

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

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

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

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

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

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

#### 4.19 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.*





## 4.20 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.*

## 4.21 Pollution inventory radioactive waste

Records within 500m

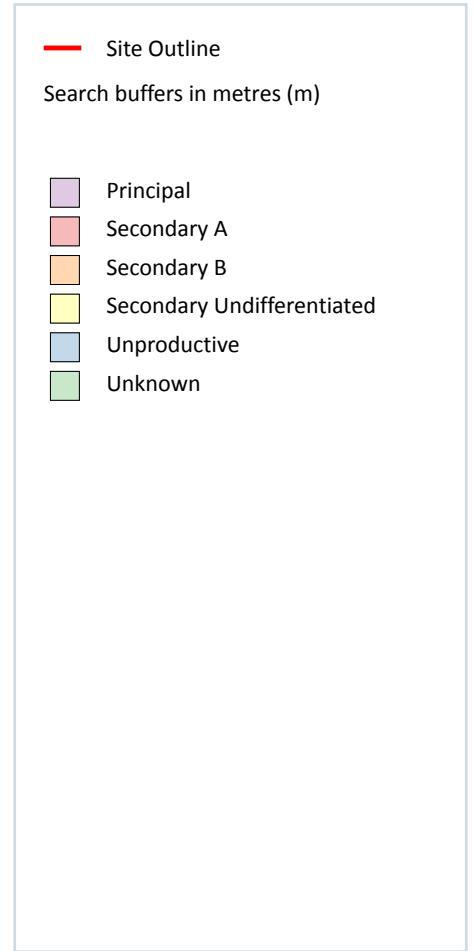
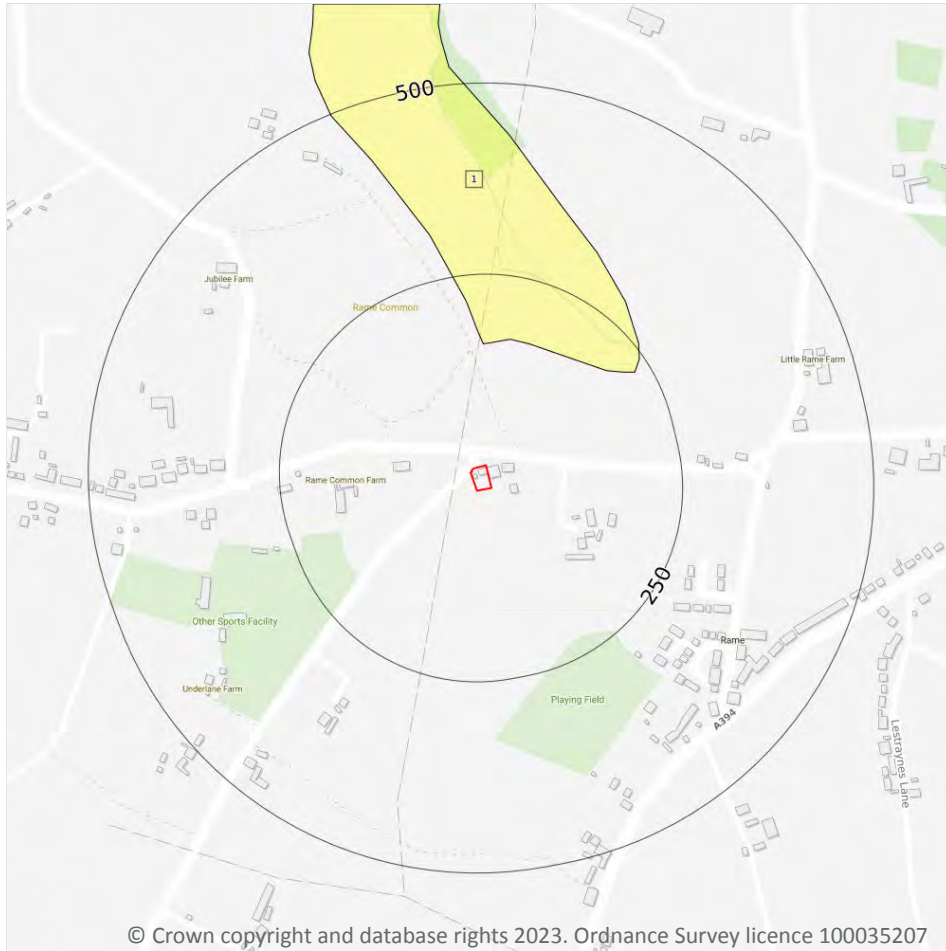
0

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



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### 5.1 Superficial aquifer

Records within 500m

1

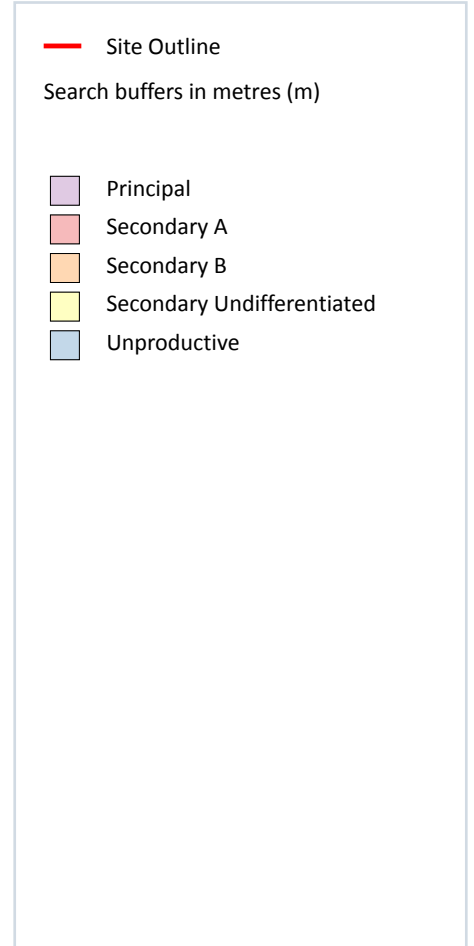
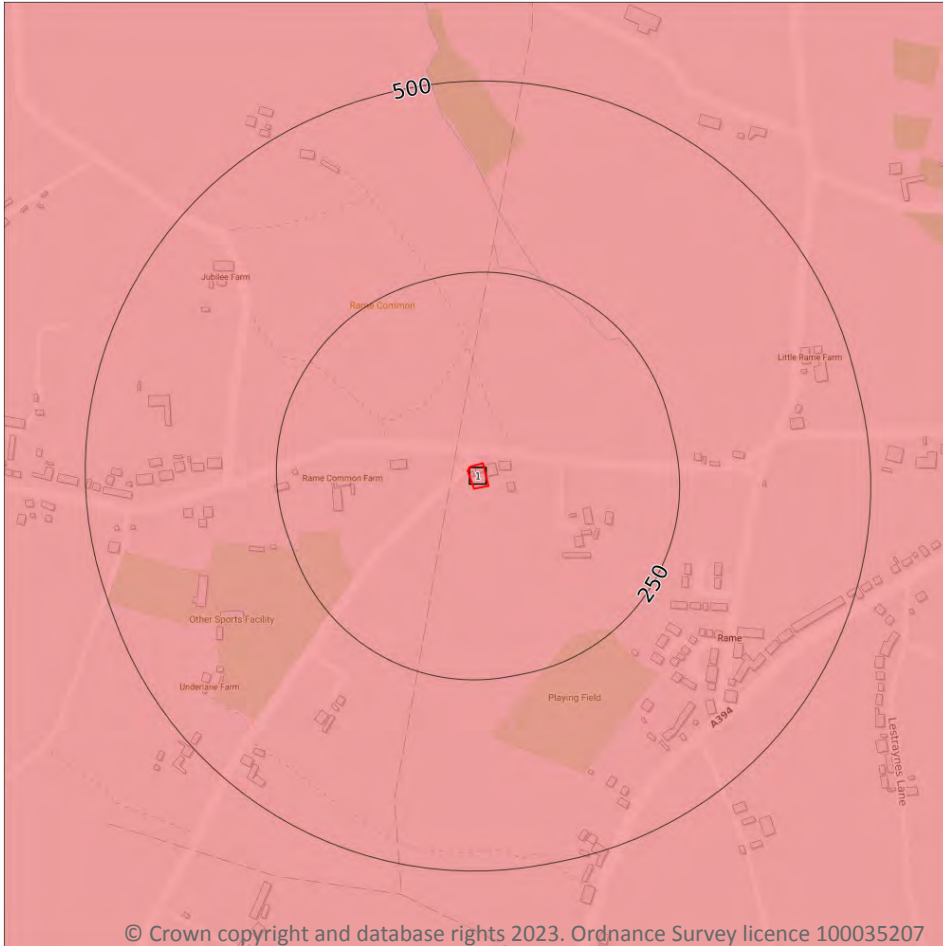
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 33](#) >

ID	Location	Designation	Description
1	159m N	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

## Bedrock aquifer



### 5.2 Bedrock aquifer

Records within 500m

1

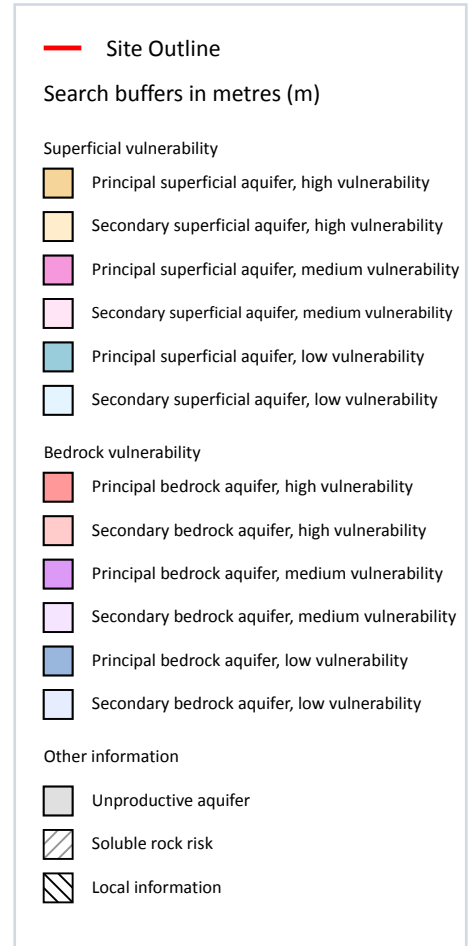
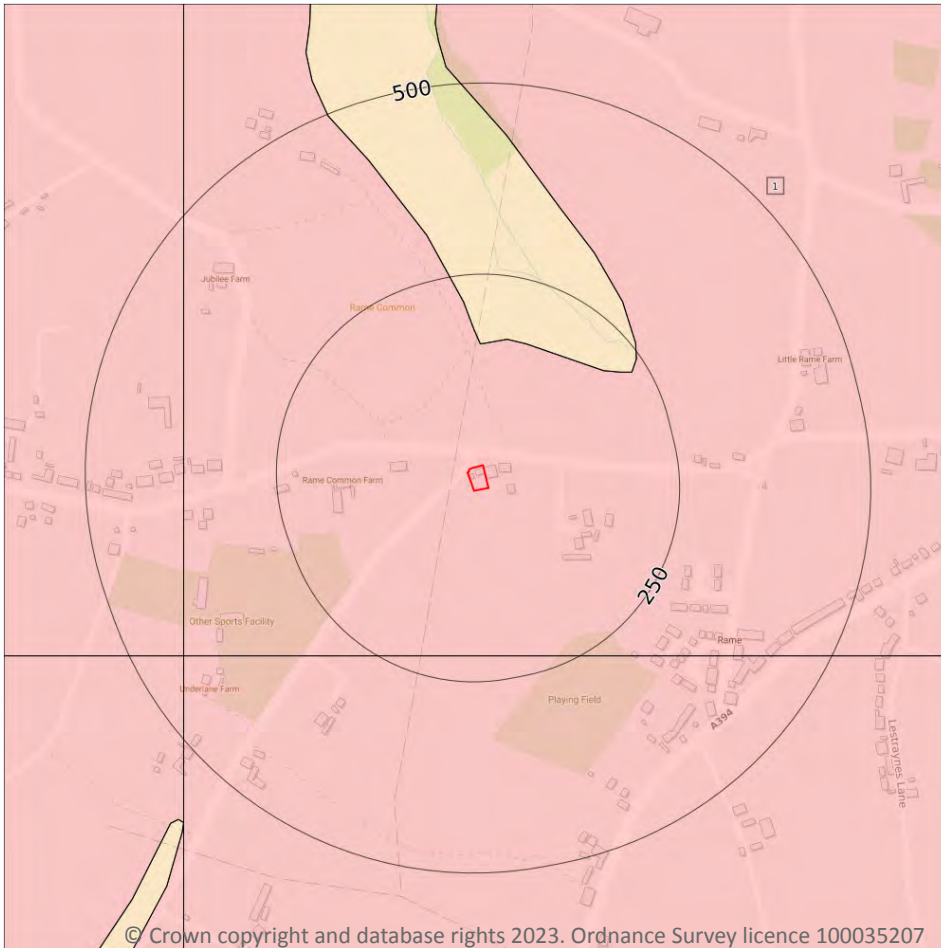
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 34 >](#)

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.*

## Groundwater vulnerability



### 5.3 Groundwater vulnerability

Records within 50m

1

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

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

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

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

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

## 5.4 Groundwater vulnerability- soluble rock risk

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

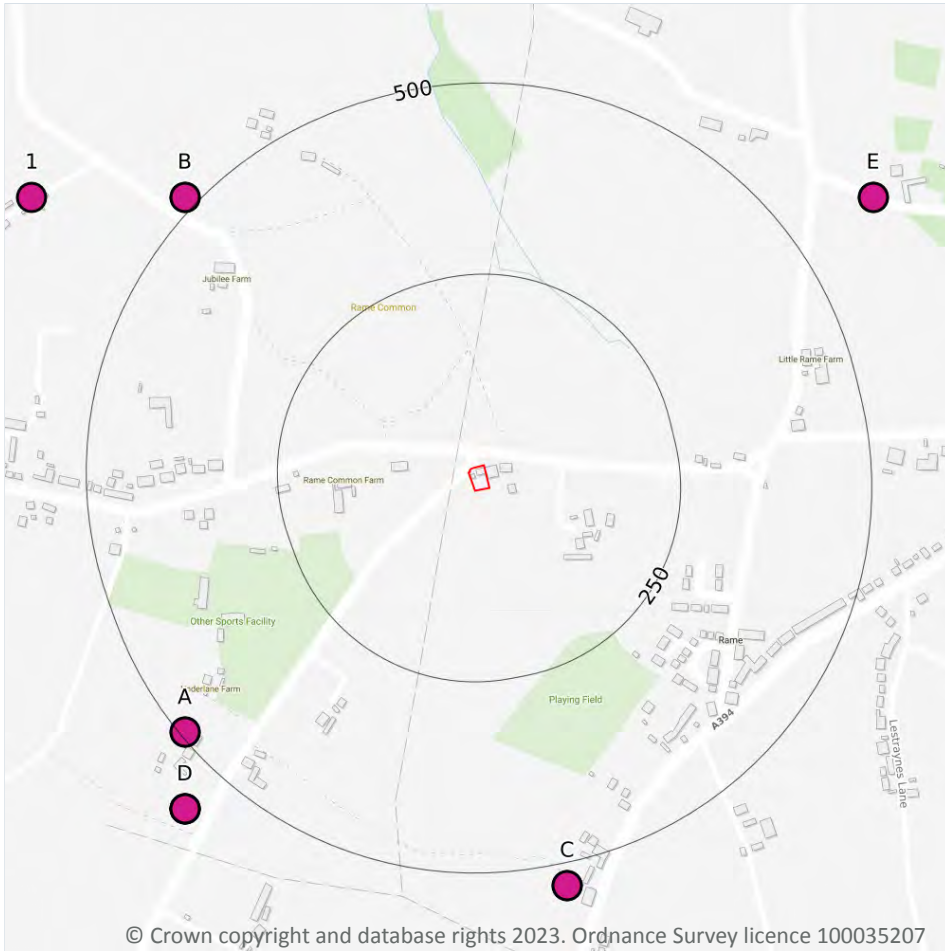
Records on site

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](mailto:enquiries@environment-agency.gov.uk) ↗.

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

## Abstractions and Source Protection Zones



### 5.6 Groundwater abstractions

Records within 2000m

55

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 37](#) >



ID	Location	Details	
A	494m SW	Status: Historical Licence No: 15/48/022/G/143 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "UNDERLANE, CARNKIE - WELL" Data Type: Point Name: Thomas Easting: 172000 Northing: 33900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
A	494m SW	Status: Historical Licence No: 15/48/022/G/143 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: UNDERLANE, CARNKIE - WELL Data Type: Point Name: Thomas Easting: 172000 Northing: 33900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
B	516m NW	Status: Historical Licence No: 15/48/022/G/020 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "MENERDUE, CARNMENELLIS - WELL" Data Type: Point Name: Moyle Easting: 172000 Northing: 34600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
B	516m NW	Status: Historical Licence No: 15/48/022/G/020 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: MENERDUE, CARNMENELLIS - WELL Data Type: Point Name: Moyle Easting: 172000 Northing: 34600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 101 Version Start Date: 23/06/2004 Version End Date: -
C	529m S	Status: Historical Licence No: 15/48/022/G/177 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "RAME FARM, PENRYN - WELL" Data Type: Point Name: Perry Easting: 172500 Northing: 33700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -





ID	Location	Details	
C	529m S	Status: Historical Licence No: 15/48/022/G/177 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: RAME FARM, PENRYN - WELL Data Type: Point Name: Maddern Easting: 172500 Northing: 33700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 30/11/2004 Version End Date: -
D	563m SW	Status: Historical Licence No: 15/48/022/G/160 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "GWYNSON FARM, HELSTON - WELL" Data Type: Point Name: Schofield Easting: 172000 Northing: 33800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/07/1988 Version End Date: -
D	563m SW	Status: Historical Licence No: 15/48/022/G/119 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "THE VEAN FARM, CARNKIE - WELL" Data Type: Point Name: Nicholls Easting: 172000 Northing: 33800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
D	563m SW	Status: Historical Licence No: 15/48/022/G/160 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: GWYNSON FARM, HELSTON - WELL Data Type: Point Name: Schofield Easting: 172000 Northing: 33800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/07/1988 Version End Date: -
D	563m SW	Status: Historical Licence No: 15/48/022/G/119 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: THE VEAN FARM, CARNKIE - WELL Data Type: Point Name: Nicholls Easting: 172000 Northing: 33800	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -



ID	Location	Details	
E	617m NE	Status: Historical Licence No: 15/48/022/G/174 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "LITTLE TREWINCE, STITHIANS - WELL" Data Type: Point Name: Lyle Easting: 172900 Northing: 34600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/02/1981 Expiry Date: - Issue No: 100 Version Start Date: 11/02/1981 Version End Date: -
E	617m NE	Status: Historical Licence No: 15/48/022/G/174 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: LITTLE TREWINCE, STITHIANS - WELL Data Type: Point Name: Lyle Easting: 172900 Northing: 34600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 11/02/1981 Expiry Date: - Issue No: 100 Version Start Date: 11/02/1981 Version End Date: -
1	675m NW	Status: Historical Licence No: 15/48/232/G/010 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BELLVUE FARM - WELL A Data Type: Point Name: Nicholls Easting: 171800 Northing: 34600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 15/08/1988 Version End Date: -
-	723m SW	Status: Historical Licence No: 15/48/232/G/116 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CARNKIE FARM - WELL A Data Type: Point Name: Martin Easting: 172000 Northing: 33600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 06/06/1983 Version End Date: -
-	783m W	Status: Historical Licence No: 15/48/232/G/075 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HOMEDENE FARM - WELL A Data Type: Point Name: James Easting: 171600 Northing: 34100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -



ID	Location	Details	
-	919m S	Status: Historical Licence No: 15/48/231/G/132 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "BUTTRISS FARM, EDGE CUMBE - WELL A" Data Type: Point Name: Newton Easting: 172300 Northing: 33300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	919m S	Status: Historical Licence No: 15/48/231/G/132 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BUTTRISS FARM, EDGE CUMBE - WELL A Data Type: Point Name: Newton Easting: 172300 Northing: 33300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	935m SW	Status: Historical Licence No: 15/48/232/G/115 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CARNKIE FARM - WELL B Data Type: Point Name: Martin Easting: 171600 Northing: 33700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 06/06/1983 Version End Date: -
-	957m S	Status: Historical Licence No: 15/48/232/G/117 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "INNER EDGCUMBE FARM, PENRYN - WELL B" Data Type: Point Name: Thomas Easting: 172100 Northing: 33300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -
-	957m S	Status: Historical Licence No: 15/48/232/G/117 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: INNER EDGCUMBE FARM, PENRYN - WELL B Data Type: Point Name: Thomas Easting: 172100 Northing: 33300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -



ID	Location	Details	
-	1003m SE	Status: Historical Licence No: 15/48/231/G/158 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "NANCROSSA FARM, RAMECROSS - WELL A" Data Type: Point Name: Evans Easting: 172800 Northing: 33300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1003m SE	Status: Historical Licence No: 15/48/231/G/158 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: NANCROSSA FARM, RAMECROSS - WELL A Data Type: Point Name: Evans Easting: 172800 Northing: 33300	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1038m N	Status: Historical Licence No: 15/48/022/G/208 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: MENERDUE FARM - BOREHOLE Data Type: Point Name: Cornwall County Council Easting: 172200 Northing: 35270	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/03/2001 Expiry Date: - Issue No: 101 Version Start Date: 26/10/2001 Version End Date: -
-	1038m N	Status: Historical Licence No: 15/48/022/G/208 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - Fresh Point: MENERDUE FARM - BOREHOLE Data Type: Point Name: Cornwall County Council Easting: 172200 Northing: 35270	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/03/2001 Expiry Date: - Issue No: 101 Version Start Date: 26/10/2001 Version End Date: -
-	1053m S	Status: Historical Licence No: 15/48/231/G/169 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "INNER EDGCUMBE FARM, PENRYN - WELL A" Data Type: Point Name: Thomas Easting: 172100 Northing: 33200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -



ID	Location	Details	
-	1053m S	Status: Historical Licence No: 15/48/231/G/169 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: INNER EDGCUMBE FARM, PENRYN - WELL A Data Type: Point Name: Thomas Easting: 172100 Northing: 33200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 30/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/06/1966 Version End Date: -
-	1101m E	Status: Historical Licence No: 15/48/231/G/013 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "LITTLE HERNISS FARM, LONG DOWNS - BOREHOLE A" Data Type: Point Name: Martin Easting: 173500 Northing: 34200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1101m E	Status: Historical Licence No: 15/48/231/G/013 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: LITTLE HERNISS FARM, LONG DOWNS - BOREHOLE A Data Type: Point Name: Martin Easting: 173500 Northing: 34200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1116m E	Status: Historical Licence No: 15/48/022/G/179 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: GREEN GABLES FARM - BOREHOLE Data Type: Point Name: Robins Easting: 173500 Northing: 34400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1392m W	Status: Historical Licence No: 15/48/232/G/090 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HIGHER MEDLYN FARM - WELL A Data Type: Point Name: Curtis Easting: 171000 Northing: 34000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -



ID	Location	Details	
-	1466m NE	Status: Historical Licence No: 15/48/022/G/089 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "TREWINCE FARM, STITHIANS - BOREHOLE" Data Type: Point Name: Vague & Son Easting: 173300 Northing: 35400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1466m NE	Status: Historical Licence No: 15/48/022/G/089 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: TREWINCE FARM, STITHIANS - BOREHOLE Data Type: Point Name: Vague & Son Easting: 173300 Northing: 35400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 31/03/1966 Version End Date: -
-	1482m SW	Status: Historical Licence No: 15/48/232/G/114 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: VISCAR FARM - WELL B Data Type: Point Name: Scott Easting: 171300 Northing: 33200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 03/06/1986 Version End Date: -
-	1529m SW	Status: Historical Licence No: 15/48/231/G/096 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "RETANNA FARM, RAME CROSS - WELL" Data Type: Point Name: Rosemurgy Easting: 171600 Northing: 32900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/02/1968 Version End Date: -
-	1529m SW	Status: Historical Licence No: 15/48/231/G/096 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: RETANNA FARM, RAME CROSS - WELL Data Type: Point Name: Rosemurgy Easting: 171600 Northing: 32900	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 26/02/1968 Version End Date: -





ID	Location	Details	
-	1699m NE	Status: Historical Licence No: 15/48/022/G/049 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "ROSEMANOWES FARM, STITHIANS - BOREHOLE" Data Type: Point Name: Green Easting: 173800 Northing: 35200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1699m NE	Status: Historical Licence No: 15/48/022/G/049 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: ROSEMANOWES FARM, STITHIANS - BOREHOLE Data Type: Point Name: Green Easting: 173800 Northing: 35200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1705m E	Status: Historical Licence No: 15/48/231/G/179 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "CARNWIDDEN FARM, PENRYN - WELL A" Data Type: Point Name: Borlace Easting: 174100 Northing: 34100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 02/10/1968 Version End Date: -
-	1705m E	Status: Historical Licence No: 15/48/231/G/179 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: CARNWIDDEN FARM, PENRYN - WELL A Data Type: Point Name: Rees Easting: 174100 Northing: 34100	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1967 Expiry Date: - Issue No: 101 Version Start Date: 13/08/2004 Version End Date: -
-	1717m SE	Status: Historical Licence No: 15/48/231/G/216 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "PART LESTRAYNES FARM, CONSTANTINE - BOREHOLE" Data Type: Point Name: Jenkin Easting: 173200 Northing: 32700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 22/12/1983 Expiry Date: - Issue No: 100 Version Start Date: 22/12/1983 Version End Date: -



ID	Location	Details	
-	1717m SE	Status: Historical Licence No: 15/48/231/G/217 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "LESTRAYNES FARM, CONSTANTINE - BOREHOLE" Data Type: Point Name: Menadue Easting: 173200 Northing: 32700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 10/01/1984 Expiry Date: - Issue No: 100 Version Start Date: 10/01/1984 Version End Date: -
-	1717m SE	Status: Historical Licence No: 15/48/231/G/216 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: PART LESTRAYNES FARM, CONSTANTINE - BOREHOLE Data Type: Point Name: Jenkin Easting: 173200 Northing: 32700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 22/12/1983 Expiry Date: - Issue No: 100 Version Start Date: 22/12/1983 Version End Date: -
-	1717m SE	Status: Historical Licence No: 15/48/231/G/217 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: LESTRAYNES FARM, CONSTANTINE - BOREHOLE Data Type: Point Name: Menadue Easting: 173200 Northing: 32700	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 10/01/1984 Expiry Date: - Issue No: 100 Version Start Date: 10/01/1984 Version End Date: -
-	1775m NE	Status: Historical Licence No: 15/48/022/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "POLKANULLO FARM, STITHIANS - WELL" Data Type: Point Name: Hearn Easting: 174000 Northing: 35000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1775m NE	Status: Historical Licence No: 15/48/022/G/025 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: POLKANULLO FARM, STITHIANS - WELL Data Type: Point Name: Hearn Easting: 174000 Northing: 35000	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -



ID	Location	Details	
-	1794m SW	Status: Historical Licence No: 15/48/231/G/084 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "RETANNA FARM, WENDRON - WELL NO. 1" Data Type: Point Name: Hampton Easting: 171600 Northing: 32600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/10/2000 Version End Date: -
-	1794m SW	Status: Historical Licence No: 15/48/231/G/084 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "RETANNA FARM, WENDRON- WELL NO. 2" Data Type: Point Name: Hampton Easting: 171600 Northing: 32600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 24/10/2000 Version End Date: -
-	1794m SW	Status: Historical Licence No: 15/48/231/G/084 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: RETANNA FARM, WENDRON - WELL NO. 1 Data Type: Point Name: Hampton Easting: 171600 Northing: 32600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/03/2004 Version End Date: -
-	1794m SW	Status: Historical Licence No: 15/48/231/G/084 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: RETANNA FARM, WENDRON- WELL NO. 2 Data Type: Point Name: Hampton Easting: 171600 Northing: 32600	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/03/1966 Expiry Date: - Issue No: 101 Version Start Date: 31/03/2004 Version End Date: -
-	1816m S	Status: Historical Licence No: 15/48/231/G/060 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "HIGHER CARVEDRAS FARM, CONSTANTINE - WELL A" Data Type: Point Name: Jenkin Easting: 172400 Northing: 32400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -



ID	Location	Details	
-	1816m S	Status: Historical Licence No: 15/48/231/G/060 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: HIGHER CARVEDRAS FARM, CONSTANTINE - WELL A Data Type: Point Name: Jenkin Easting: 172400 Northing: 32400	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1841m NW	Status: Historical Licence No: 15/48/022/G/032 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "MOUNT WISE FARM, CARNMENELLIS - WELL" Data Type: Point Name: Mitchell Easting: 170800 Northing: 35200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1841m NW	Status: Historical Licence No: 15/48/022/G/032 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: MOUNT WISE FARM, CARNMENELLIS - WELL Data Type: Point Name: Mitchell Easting: 170800 Northing: 35200	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 31/12/1965 Version End Date: -
-	1936m NW	Status: Historical Licence No: 15/48/022/G/034 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: "TANGIES FARM, CARNMENELLIS, REDRUTH - WELL" Data Type: Point Name: Bell Easting: 170900 Northing: 35500	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1989 Version End Date: -
-	1936m NW	Status: Historical Licence No: 15/48/022/G/034 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: TANGIES FARM, CARNMENELLIS, REDRUTH - WELL Data Type: Point Name: Bell Easting: 170900 Northing: 35500	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 31/12/1965 Expiry Date: - Issue No: 100 Version Start Date: 01/03/1989 Version End Date: -



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

## 5.7 Surface water abstractions

**Records within 2000m**

**0**

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.

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

## 5.8 Potable abstractions

**Records within 2000m**

**1**

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 37 >](#)

ID	Location	Details	
-	1038m N	Status: Historical Licence No: 15/48/022/G/208 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Ground Water - Fresh Point: MENERDUE FARM - BOREHOLE Data Type: Point Name: Cornwall County Council Easting: 172200 Northing: 35270	Annual Volume (m <sup>3</sup> ): - Max Daily Volume (m <sup>3</sup> ): - Original Application No: - Original Start Date: 20/03/2001 Expiry Date: - Issue No: 101 Version Start Date: 26/10/2001 Version End Date: -

*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 MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- ⋯ WFD Groundwater body boundaries

### 6.1 Water Network (OS MasterMap)

Records within 250m

1

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

Features are displayed on the Hydrology map on [page 51 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	227m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

*This data is sourced from the Ordnance Survey.*

## 6.2 Surface water features

Records within 250m

1

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

Features are displayed on the Hydrology map on [page 51 >](#)

*This data is sourced from the Ordnance Survey.*

## 6.3 WFD Surface water body catchments

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 51 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Kennal	GB108048001140	Fal	Cornwall West and the Fal

*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 51 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1530m N	River	Kennal	<a href="#">GB108048001140 ↗</a>	Moderate	Fail	Moderate	2019

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



## 6.5 WFD Groundwater bodies

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

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

Features are displayed on the Hydrology map on [page 51 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	South Cornwall	<a href="#">GB40802G800200</a> ↗	Poor	Poor	Good	2019

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

## 7 River and coastal flooding

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

Records within 50m

0

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

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

### 7.2 Historical Flood Events

Records within 250m

0

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

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

### 7.3 Flood Defences

Records within 250m

0

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

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



## 7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

## 7.5 Flood Storage Areas

Records within 250m

0

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

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



## River and coastal flooding - Flood Zones

### 7.6 Flood Zone 2

Records within 50m

0

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

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

### 7.7 Flood Zone 3

Records within 50m

0

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

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





## 8 Surface water flooding

### 8.1 Surface water flooding

Highest risk on site

Negligible

Highest risk within 50m

Negligible

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.

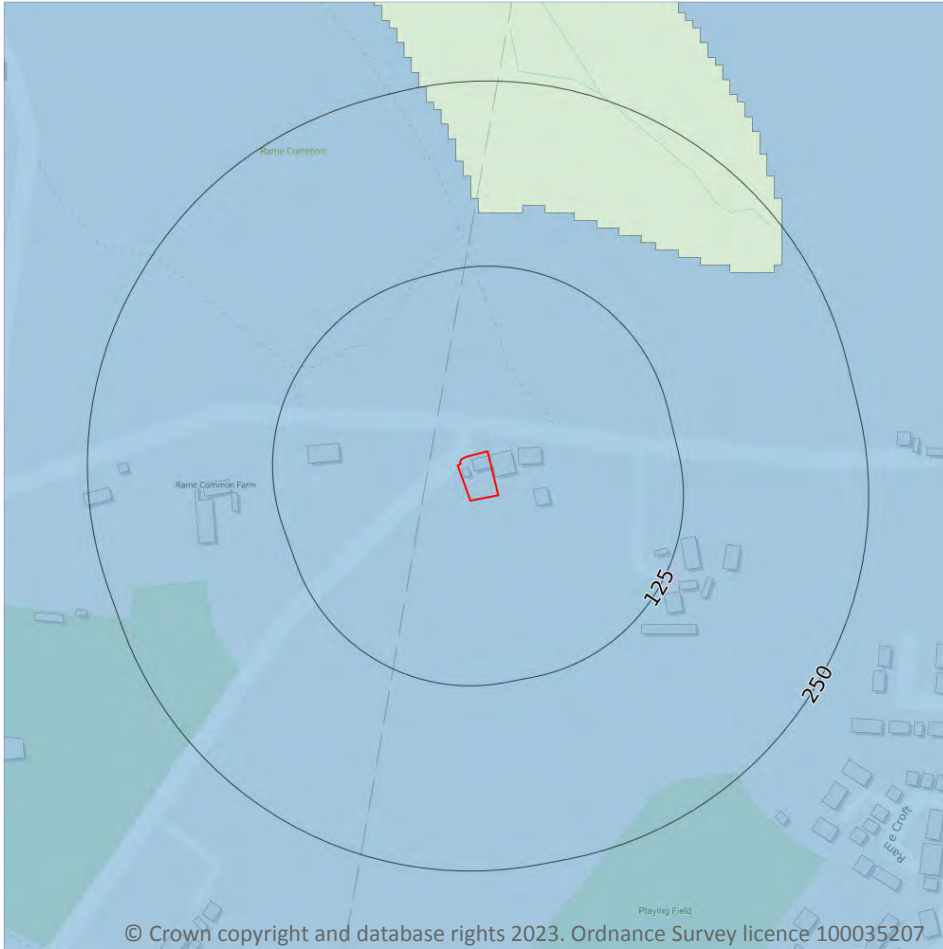
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site. The table below shows the maximum flood depths for a range of return periods for the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

Return period	Maximum modelled depth
1 in 1000 year	Negligible
1 in 250 year	Negligible
1 in 100 year	Negligible
1 in 30 year	Negligible

*This data is sourced from Ambiental Risk Analytics.*



## 9 Groundwater flooding



### 9.1 Groundwater flooding

**Highest risk on site**

**Negligible**

**Highest risk within 50m**

**Negligible**

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

Features are displayed on the Groundwater flooding map on [page 58 >](#)

*This data is sourced from Ambiental Risk Analytics.*

## 10 Environmental designations

### 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

0

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.

*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

4

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.

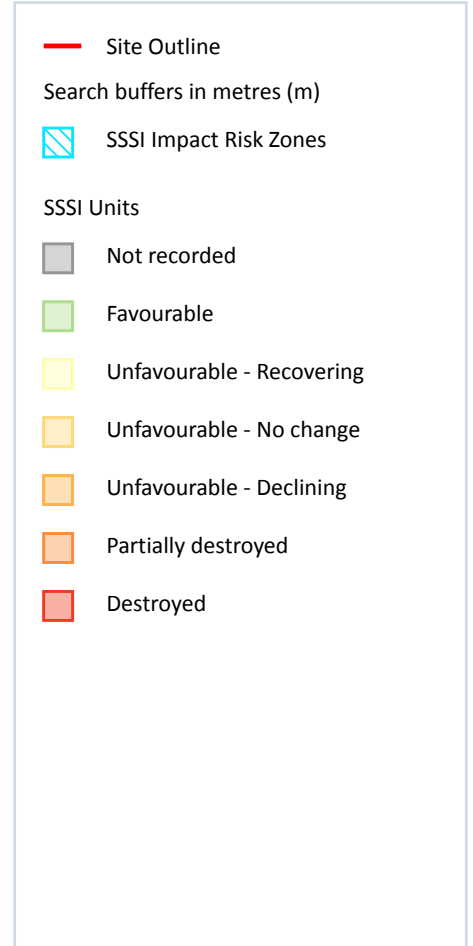
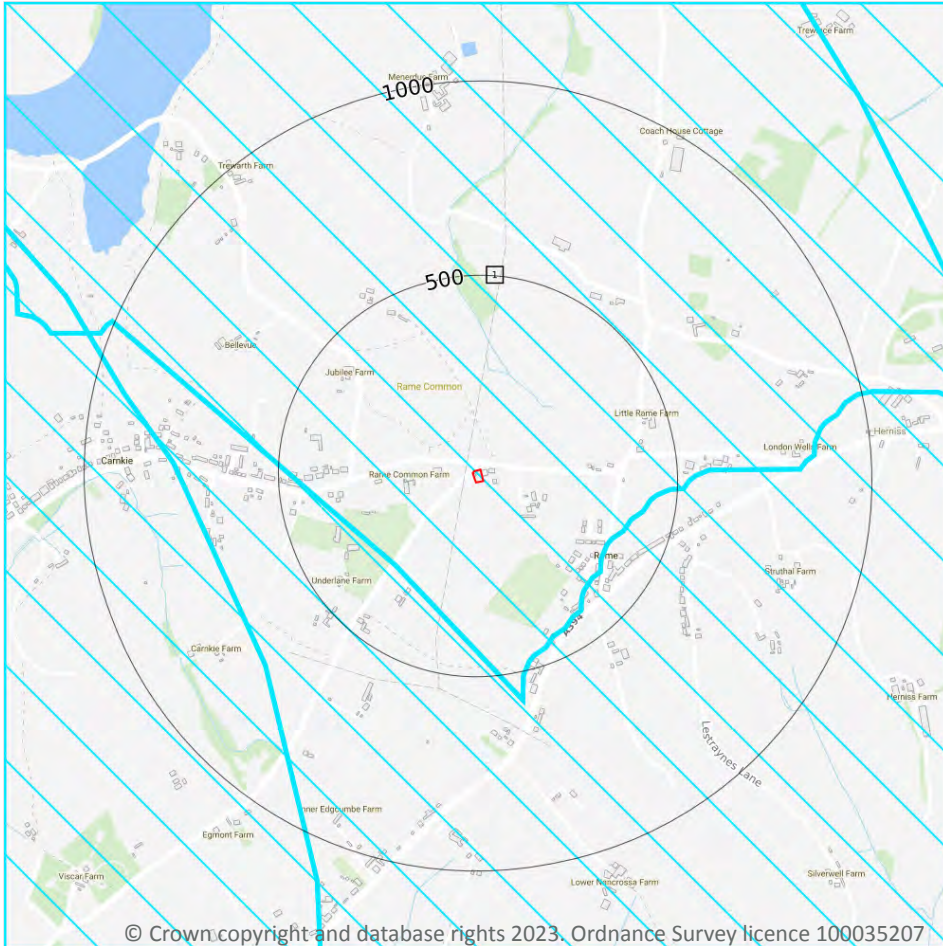
Location	Name	Type	NVZ ID	Status
<b>On site</b>	<b>Truro, Tresillian and Falmouth</b>	<b>Eutrophic Water</b>	<b>5</b>	<b>Existing</b>
180m SW	The Loe Eutrophic lake NVZ	Eutrophic Water	110	Existing
1693m E	Truro, Tresillian and Falmouth	Eutrophic Water	5	Existing
1733m N	Truro, Tresillian and Falmouth	Eutrophic Water	5	Existing

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





## SSSI Impact Zones and Units



### 10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 63](#) >

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Air pollution - Livestock &amp; poultry units with floorspace &gt; 500m<sup>2</sup>, slurry lagoons &amp; digestate stores &gt; 750m<sup>2</sup>, manure stores &gt; 3500t.</p> <p>Combustion - General combustion processes &gt;50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion</p> <p>Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.</p>

*This data is sourced from Natural England.*

## 10.18 SSSI Units

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

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

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

## 11 Visual and cultural designations

### 11.1 World Heritage Sites

Records within 250m

0

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

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

### 11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

### 11.3 National Parks

Records within 250m

0

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

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

### 11.4 Listed Buildings

Records within 250m

0

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



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

## 11.5 Conservation Areas

**Records within 250m**

**0**

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

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

## 11.6 Scheduled Ancient Monuments

**Records within 250m**

**0**

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

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

## 11.7 Registered Parks and Gardens

**Records within 250m**

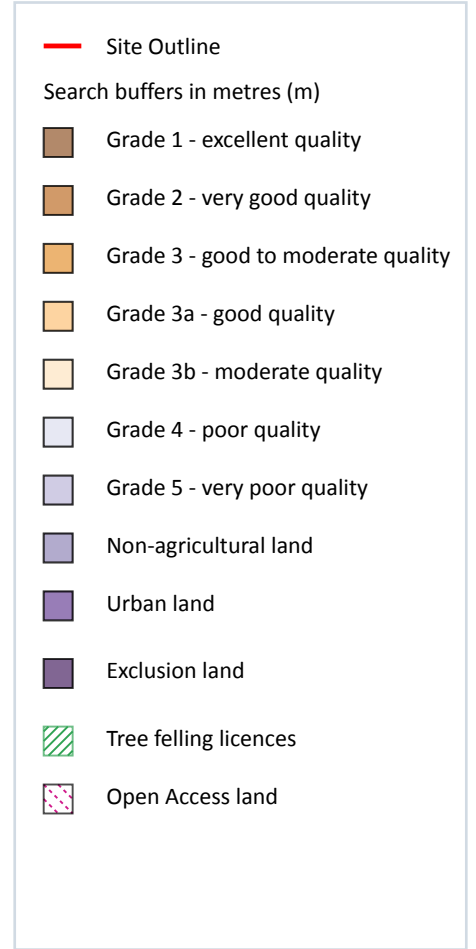
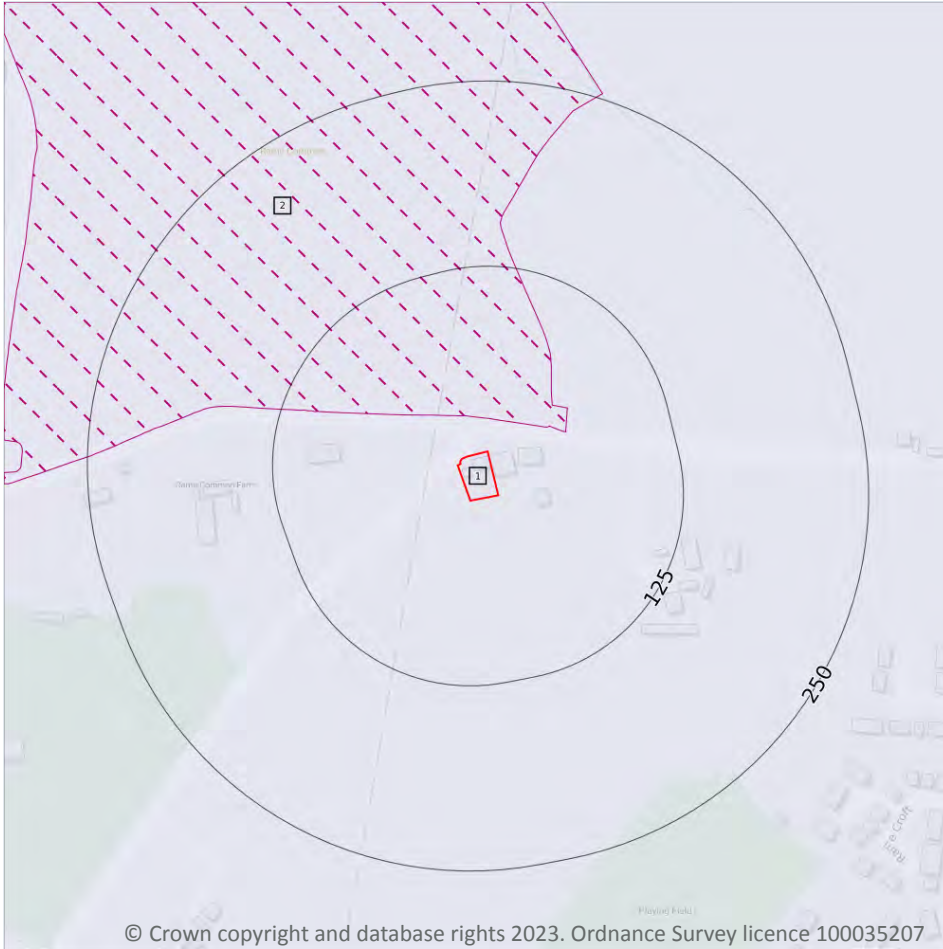
**0**

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

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



## 12 Agricultural designations



### 12.1 Agricultural Land Classification

Records within 250m

1

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 67](#) >

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



*This data is sourced from Natural England.*

## 12.2 Open Access Land

**Records within 250m**

**1**

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

Features are displayed on the Agricultural designations map on [page 67](#) >

ID	Location	Name	Classification	Other relevant legislation
2	22m N	-	Section 4 Conclusive Open Country	-

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

## 12.3 Tree Felling Licences

**Records within 250m**

**0**

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

*This data is sourced from the Forestry Commission.*

## 12.4 Environmental Stewardship Schemes

**Records within 250m**

**0**

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

*This data is sourced from Natural England.*

## 12.5 Countryside Stewardship Schemes

**Records within 250m**

**0**

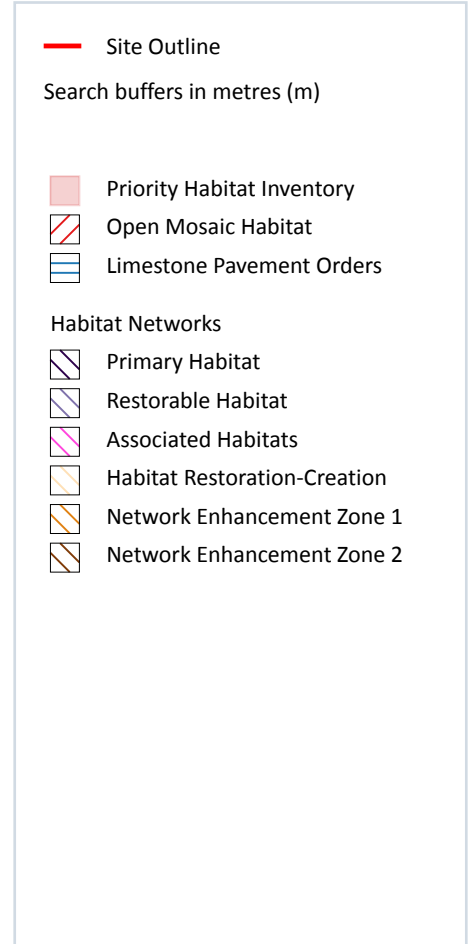
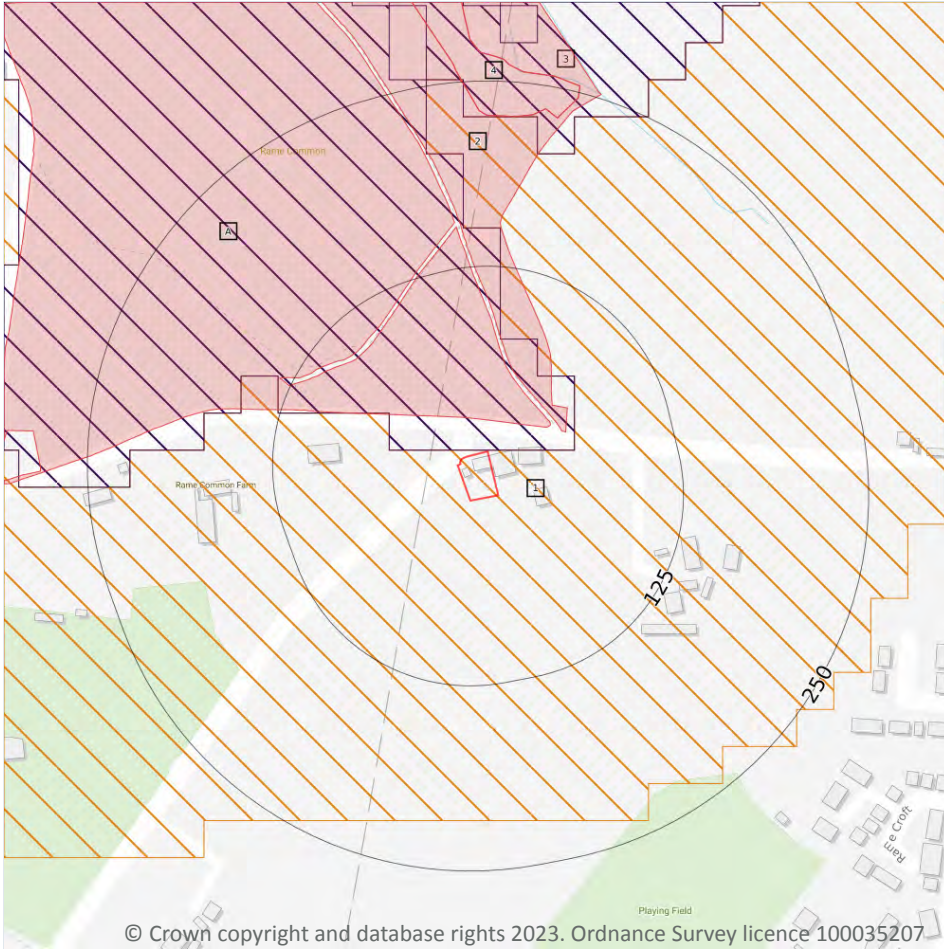
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

*This data is sourced from Natural England.*





## 13 Habitat designations



### 13.1 Priority Habitat Inventory

Records within 250m

3

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 69](#) >

ID	Location	Main Habitat	Other habitats
A	21m N	Lowland heathland	Main habitat: LHEAT (INV > 50%)
2	48m NE	No main habitat but additional habitats present	Additional: LHEAT (INV 50%)
4	227m N	Purple moor grass and rush pastures	Main habitat: PMGRP (INV > 50%)

*This data is sourced from Natural England.*



## 13.2 Habitat Networks

Records within 250m

3

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

Features are displayed on the Habitat designations map on [page 69](#) >

ID	Location	Type	Habitat
1	On site	Network Enhancement Zone 1	Not specified
A	1m N	Primary Habitat	Lowland heathland
3	204m N	Primary Habitat	Upland fens and flushes

*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

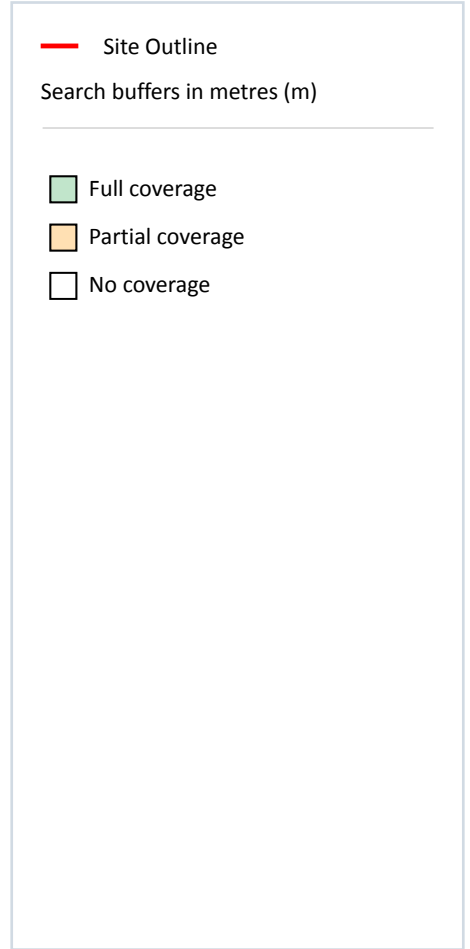
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Limestone pavements are outcrops of limestone where the surface has been worn away by natural means over millennia. These rocks have the appearance of paving blocks, hence their name. Not only do they have geological interest, they also provide valuable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

*This data is sourced from Natural England.*



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



### 14.1 10k Availability

Records within 500m

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 71 >](#)

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

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

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

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

Records within 500m

0

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

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



## Geology 1:10,000 scale - Superficial

### 14.3 Superficial geology (10k)

Records within 500m

0

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

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

### 14.4 Landslip (10k)

Records within 500m

0

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

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



## Geology 1:10,000 scale - Bedrock

### 14.5 Bedrock geology (10k)

Records within 500m

0

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.

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

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

Records within 500m

0

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

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





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



- Site Outline
- Search buffers in metres (m)
- Geological map tile

### 15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 75 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW352_falmouth_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

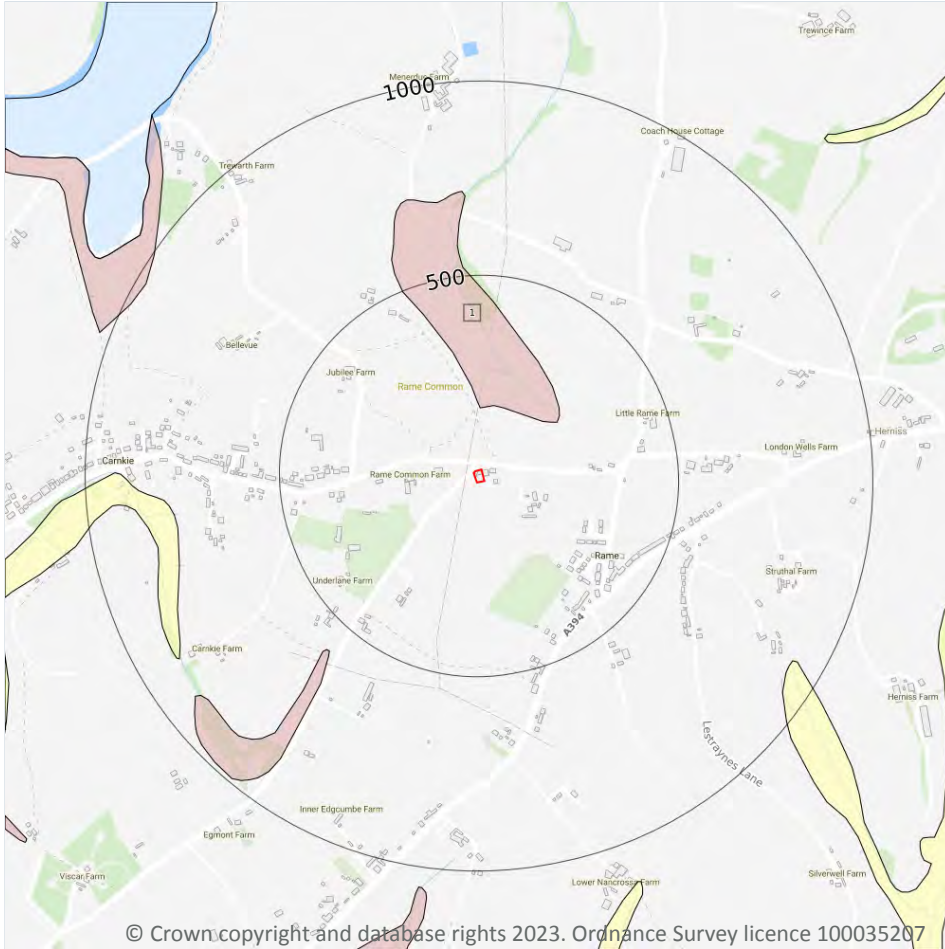
0

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

1

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 77 >](#)

ID	Location	LEX Code	Description	Rock description
1	159m N	HEAD- XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL

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

## 15.5 Superficial permeability (50k)

Records within 50m

0

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

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

## 15.6 Landslip (50k)

Records within 500m

0

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

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

## 15.7 Landslip permeability (50k)

Records within 50m

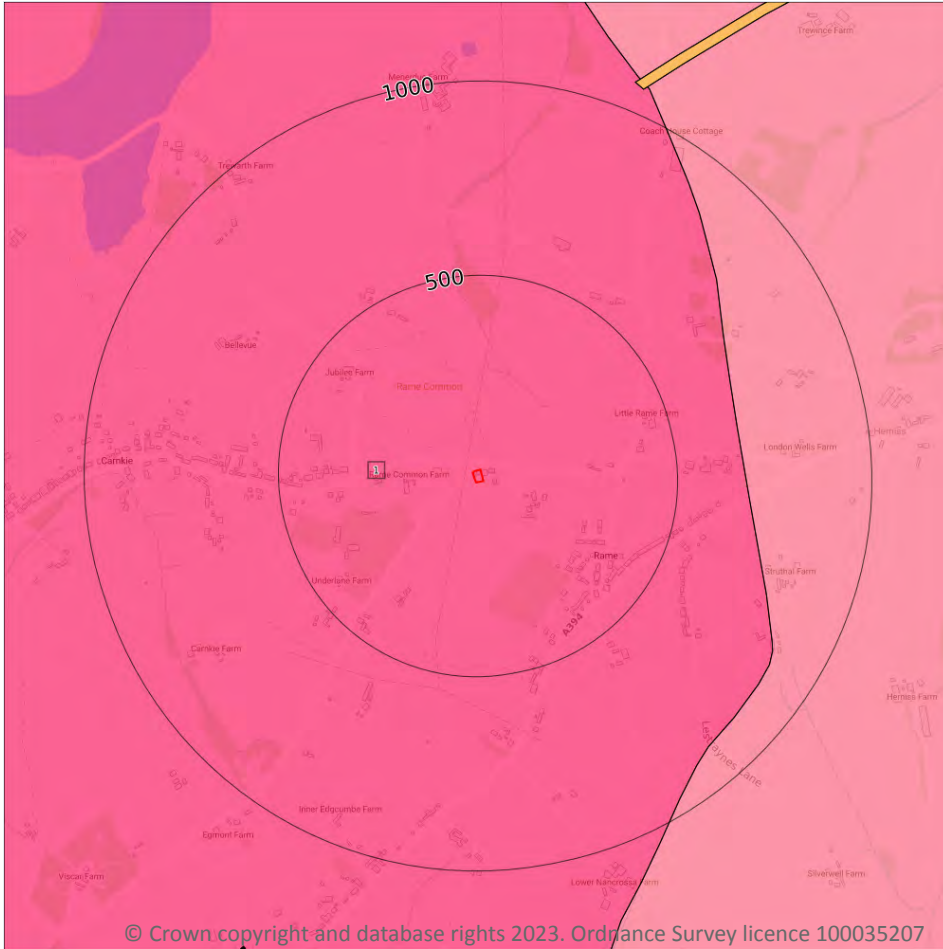
0

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

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



## Geology 1:50,000 scale - Bedrock



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

### 15.8 Bedrock geology (50k)

Records within 500m

1

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 79 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	CAIN-MCGN	CARNMENELLIS INTRUSION - MICROGRANITE	-

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

## 15.9 Bedrock 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 bedrock (the zone between the land surface and the water table).

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

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

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

Records within 500m

0

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

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



## 16 Boreholes

### 16.1 BGS Boreholes

Records within 250m

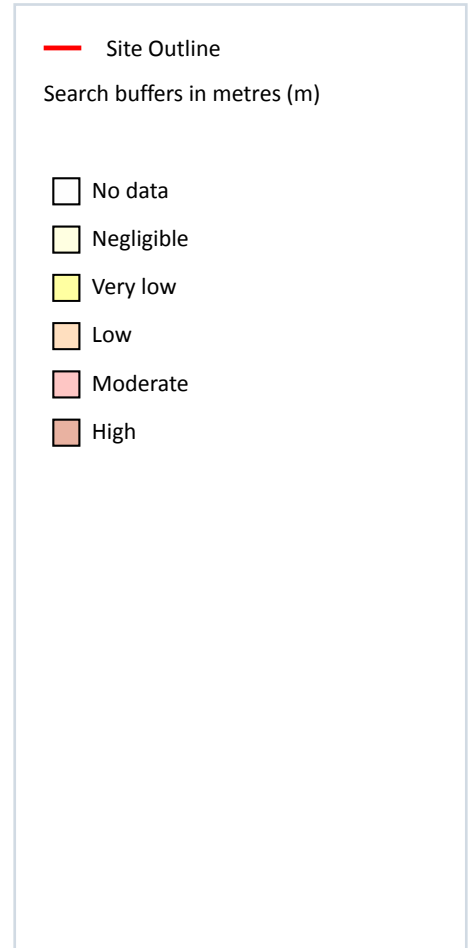
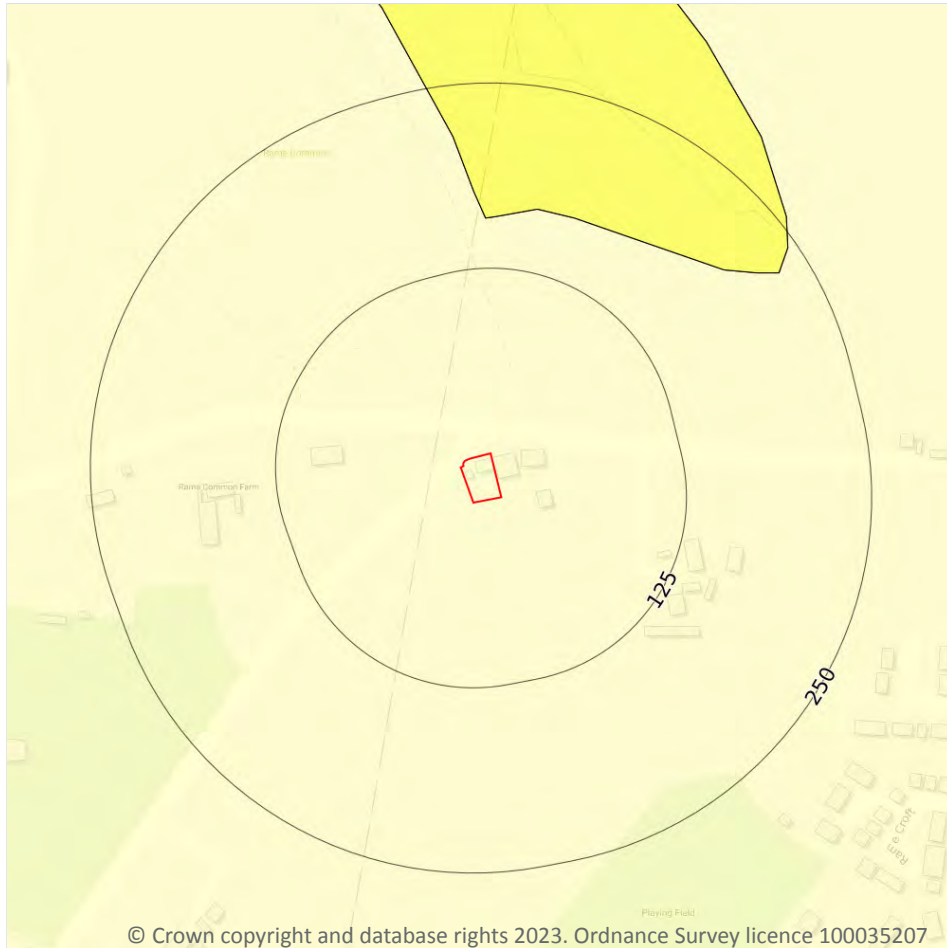
0

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

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



## 17 Natural ground subsidence - Shrink swell clays



### 17.1 Shrink swell clays

Records within 50m

1

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

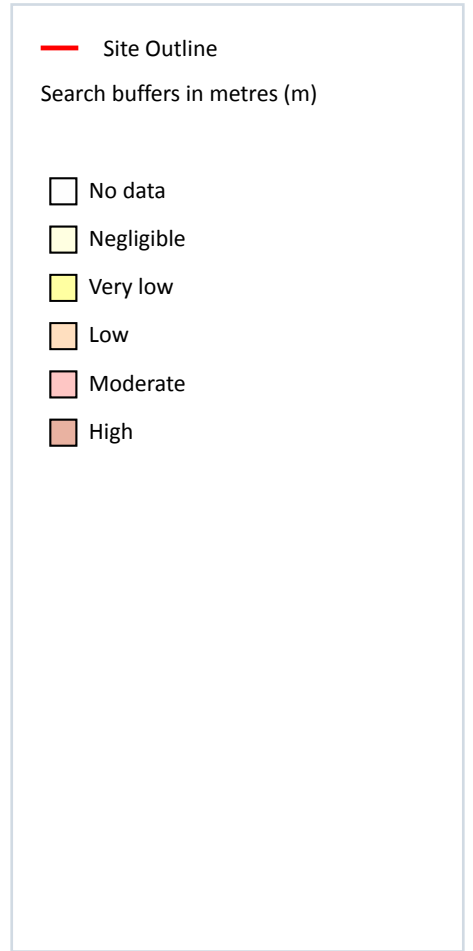
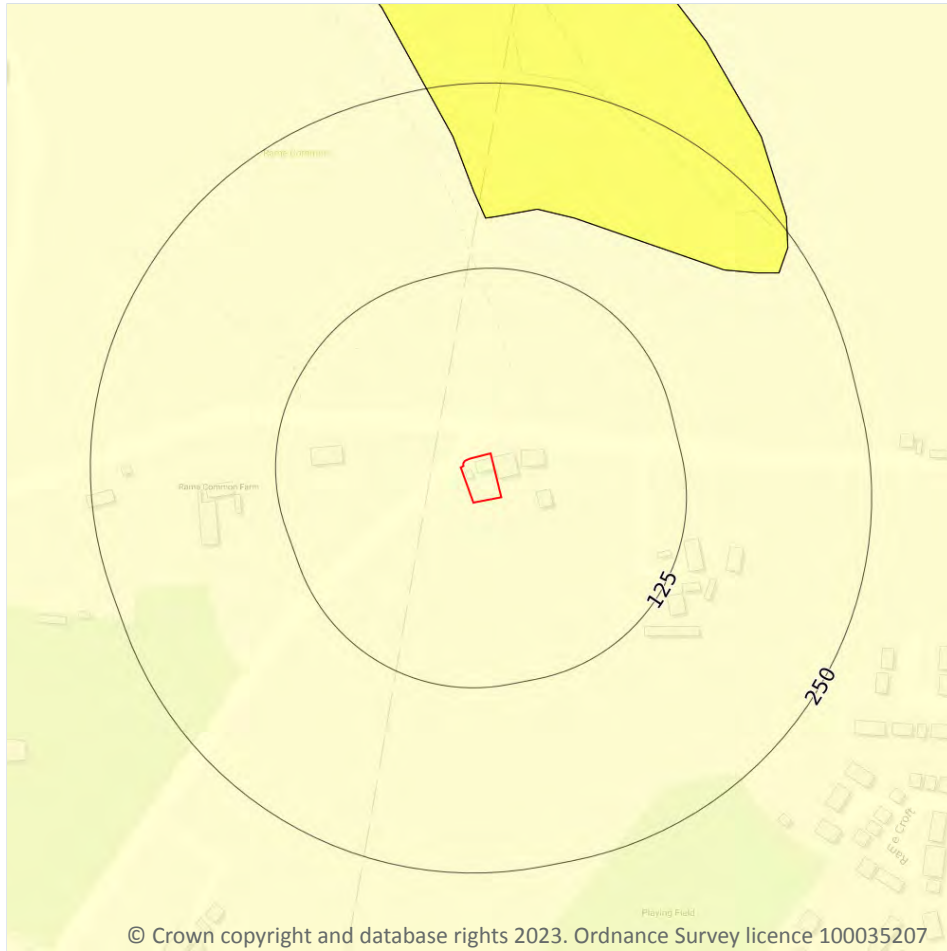
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 82 >](#)

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

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



## Natural ground subsidence - Running sands



### 17.2 Running sands

Records within 50m

1

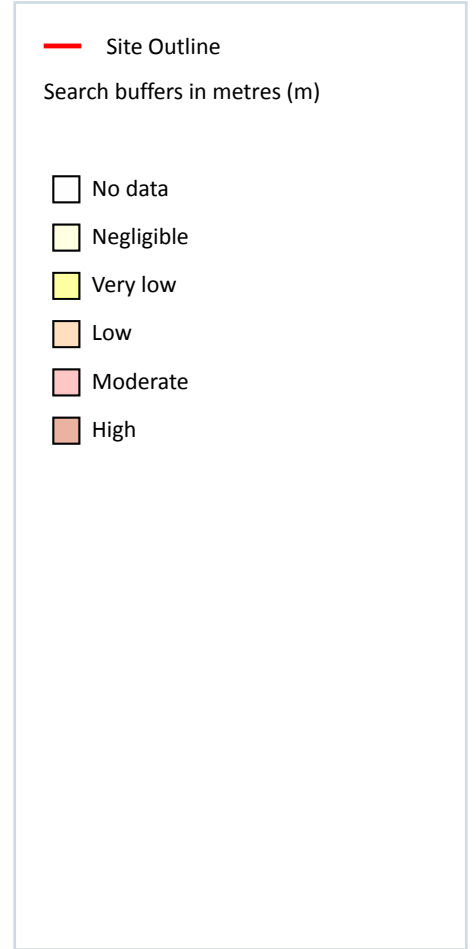
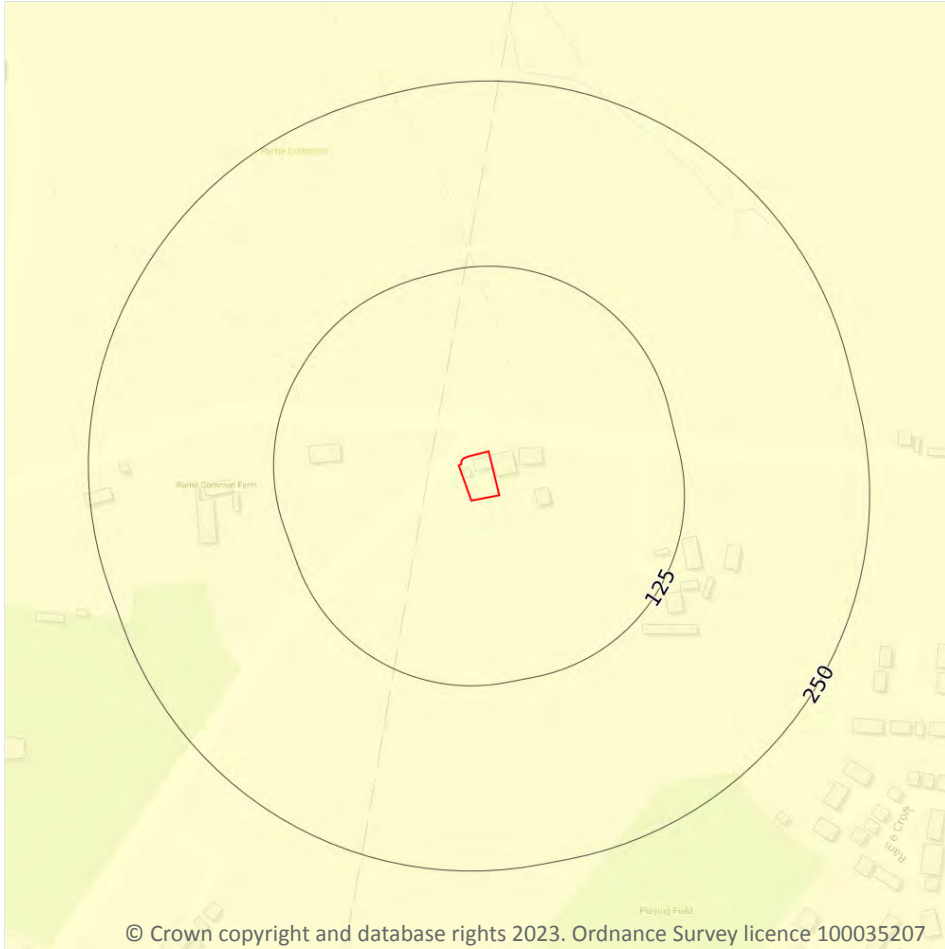
The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

Features are displayed on the Natural ground subsidence - Running sands map on [page 83](#) >

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

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

## Natural ground subsidence - Compressible deposits



### 17.3 Compressible deposits

Records within 50m

1

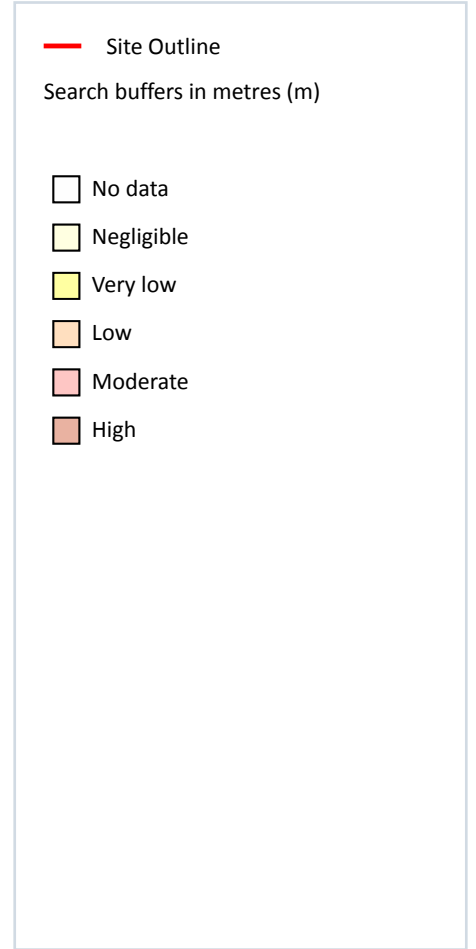
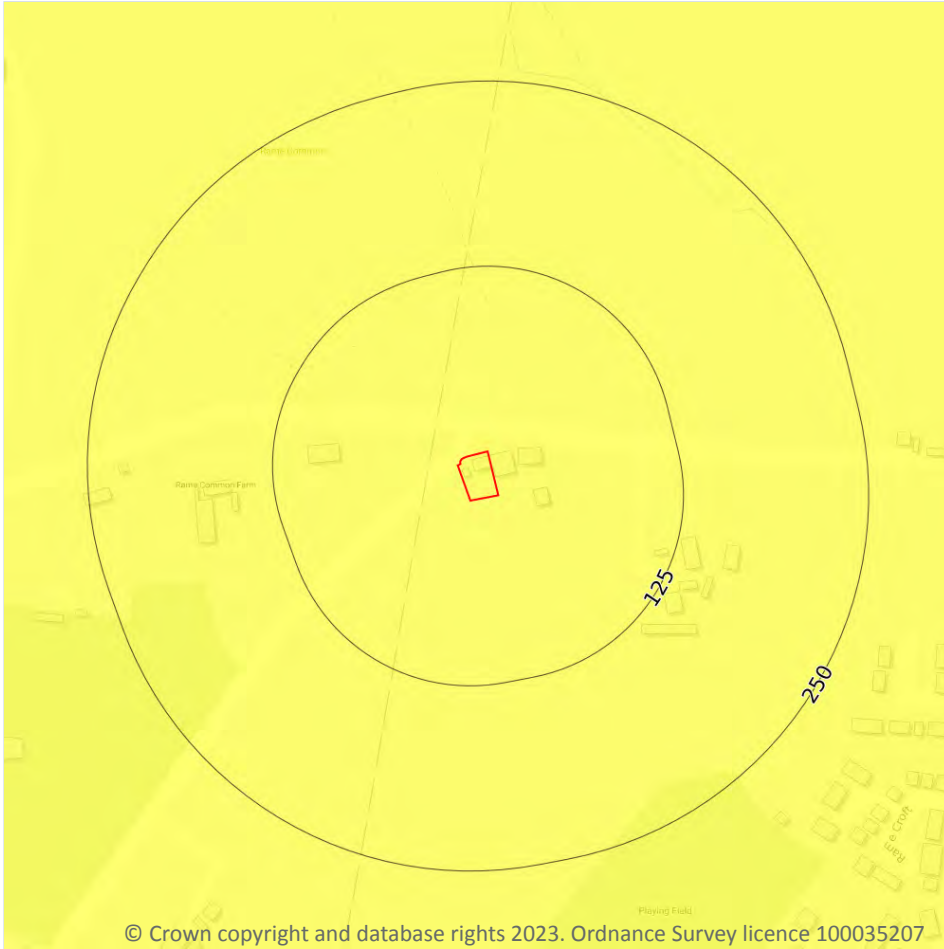
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 84](#) >

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

This data is sourced from the British Geological Survey.

## Natural ground subsidence - Collapsible deposits



### 17.4 Collapsible deposits

Records within 50m

1

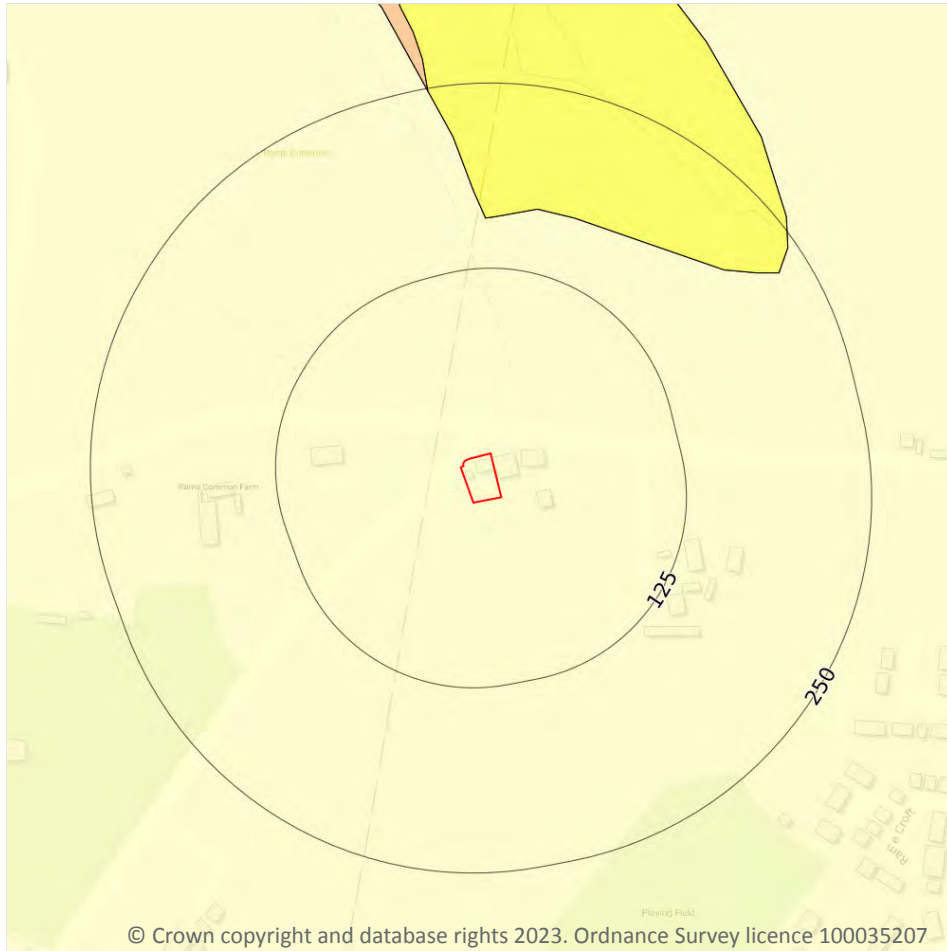
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 85 >](#)

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

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

## Natural ground subsidence - Landslides



— Site Outline  
Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

### 17.5 Landslides

Records within 50m

1

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

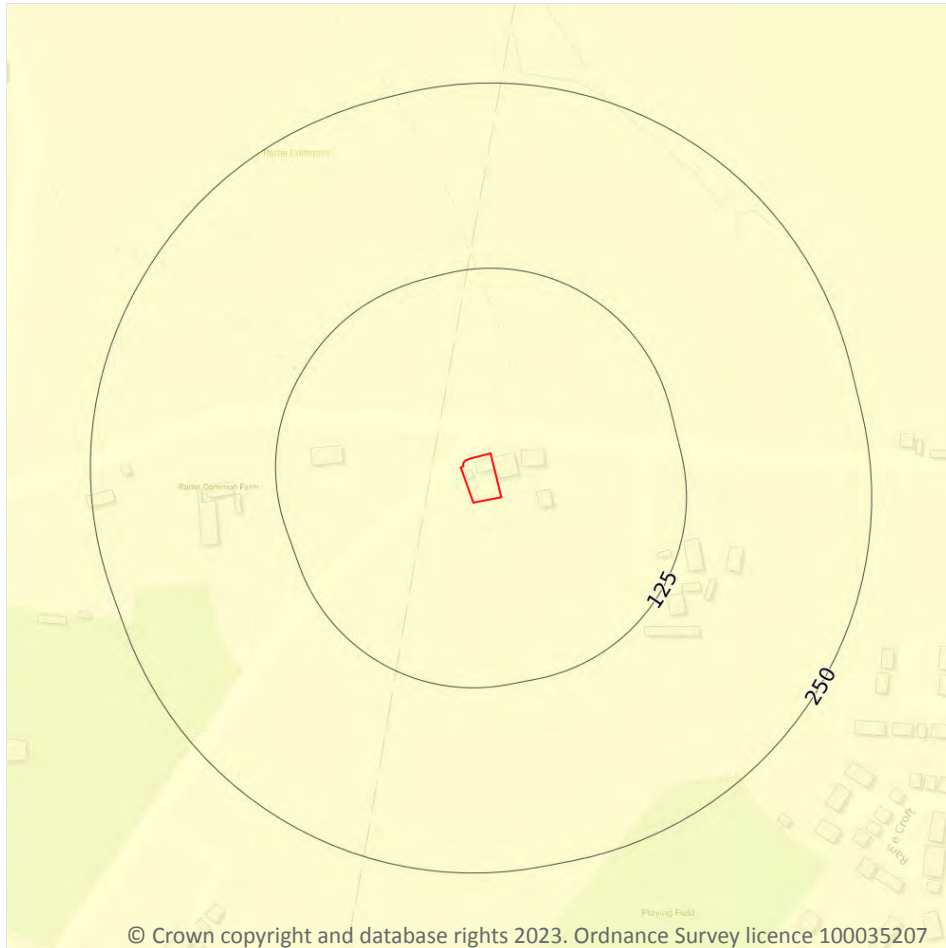
Features are displayed on the Natural ground subsidence - Landslides map on [page 86](#) >

Location	Hazard rating	Details
On site	Negligible	Slope instability problems are not thought 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 87](#)

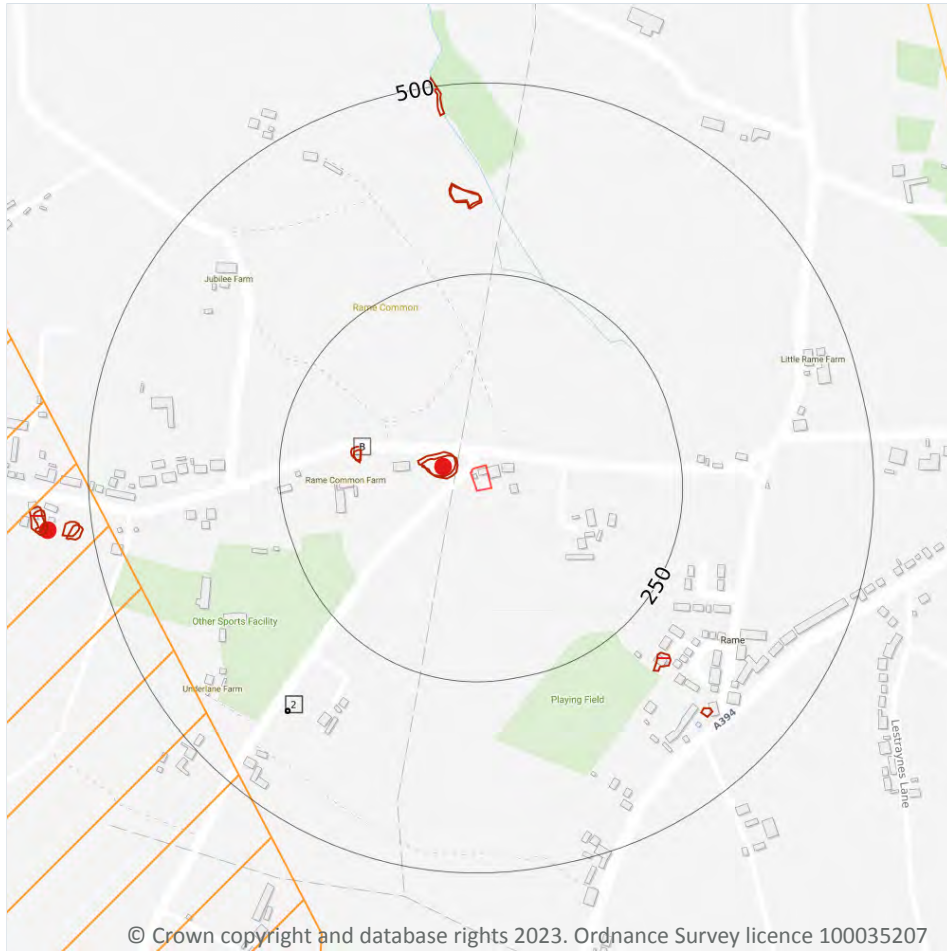
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.

*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

### 18.1 BritPits

Records within 500m

1

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

Features are displayed on the Mining and ground workings map on [page 89](#) >



ID	Location	Details	Description
A	37m W	Name: Rame Common Address: Rame, CAMBORNE, Cornwall Commodity: Igneous & Metamorphic Rock Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

## 18.2 Surface ground workings

Records within 250m

4

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 89](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
A	18m W	Unspecified Quarry	1909	1:10560
A	22m W	Unspecified Quarry	1958	1:10560
B	145m W	Unspecified Quarry	1958	1:10560
B	146m W	Unspecified Quarry	1909	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

## 18.3 Underground workings

Records within 1000m

1

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

Features are displayed on the Mining and ground workings map on [page 89](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
2	377m SW	Unspecified Shaft	1878	1:10560

This is 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 89 >](#)

ID	Location	Name	Commodity	Class	Likelihood
4	448m SW	South West England	Vein Mineral	C	Underground mine workings may have occurred in the past, or current mines may be operating to modern engineering standards. Potential for difficult ground conditions should be considered.
6	667m E	Not available	Vein Mineral	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.
-	919m NE	Not available	Vein Mineral	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****7**

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.

Location	Mineral type
366m N	Metals
391m NW	Metals
422m NW	Metals
446m N	Metals
464m N	Metals
468m N	Metals
475m SE	Metals

*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

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

1

Generalised areas that may be affected by historical tin mining.

Location	Details
On site	<b>The site is within an area where tin mining is reported to have occurred. This does not mean that the site is definitely directly affected but further consideration of tin mining is advised. Further mining searches are available at Groundsure.</b>

*This data is sourced from Groundsure.*

## 18.16 Clay mining

Records on site

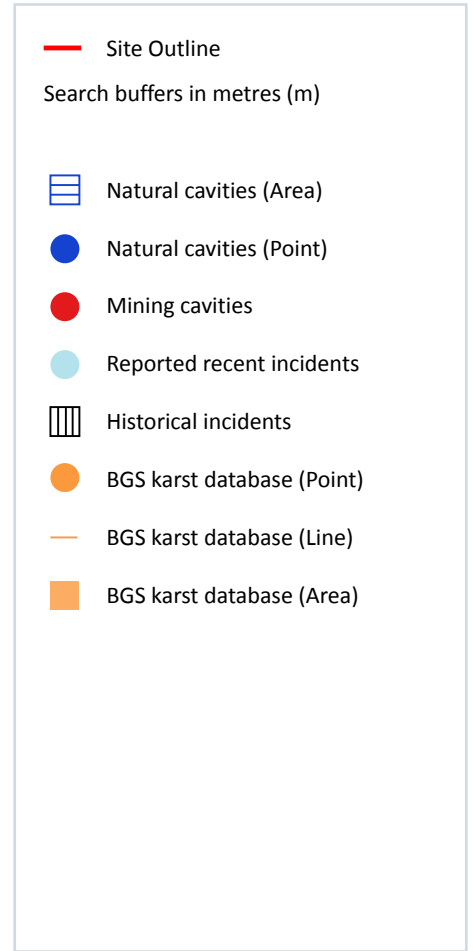
0

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

1

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.

Features are displayed on the Ground cavities and sinkholes map on [page 95 >](#)

ID	Location	Mine Address	Mineral	Data source	Publisher
-	943m E	Carnkie, Cornwall	Unknown	PRIVATE COMMUNICATION	KERRIER DISTRICT COUNCIL

*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.*





## 19.5 National karst database

Records within 500m

0

This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

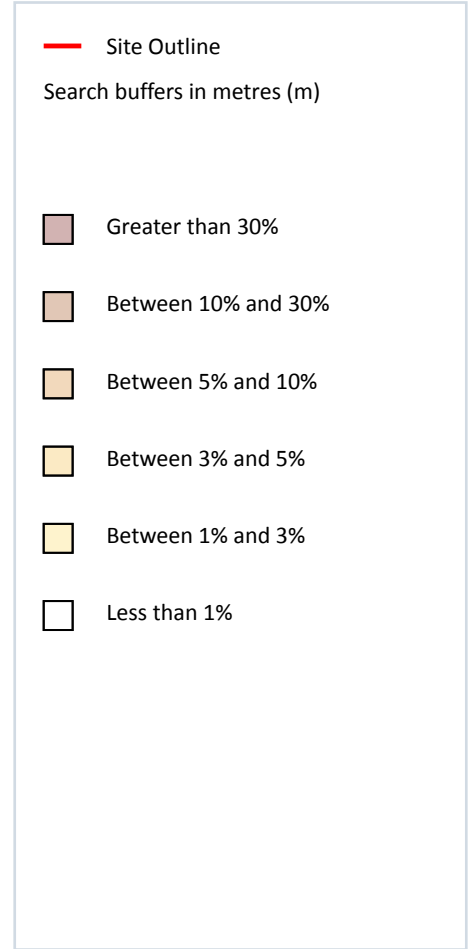
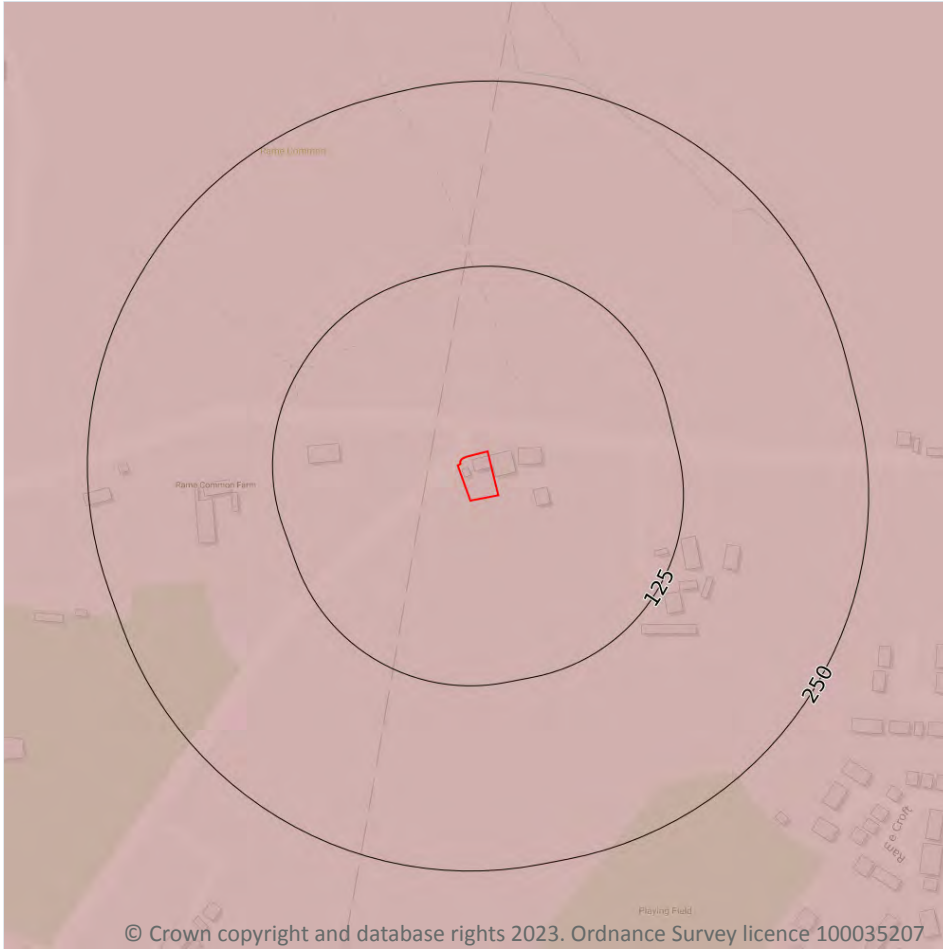
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over 800 caves, 1300 stream sinks, 5600 springs, 10,000 sinkholes.

The database is not yet complete, and not all records have been verified. The absence of data does not mean that karst features are not present at a site. A reliability rating is included with each record.

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



## 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 98 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Greater than 30%	Full

*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

1

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	45 - 60 mg/kg	7 - 9 mg/kg	100 mg/kg	60 mg/kg	1.8 mg/kg	40 - 60 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 km<sup>2</sup>).

*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 km<sup>2</sup>.

*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 1

**Records within 500m**

**0**

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

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

## 22.9 Crossrail 2

**Records within 500m**

**0**

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

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

## 22.10 HS2

**Records within 500m**

**0**

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

*This data is sourced from HS2 Ltd.*



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## Data providers

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

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- **Appendix B**

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**Site Details:**

RAME COTTAGE, RAME  
COMMON, RAME, TR10 9LP

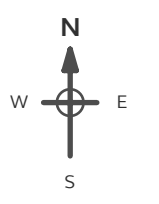
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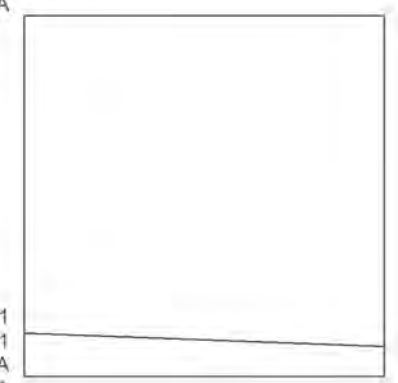
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**Printed at:** 1:2,500



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Revised 1880  
Edition N/A  
Copyright N/A  
Levelled N/A



Surveyed 1881  
Revised 1881  
Edition N/A  
Copyright N/A  
Levelled N/A

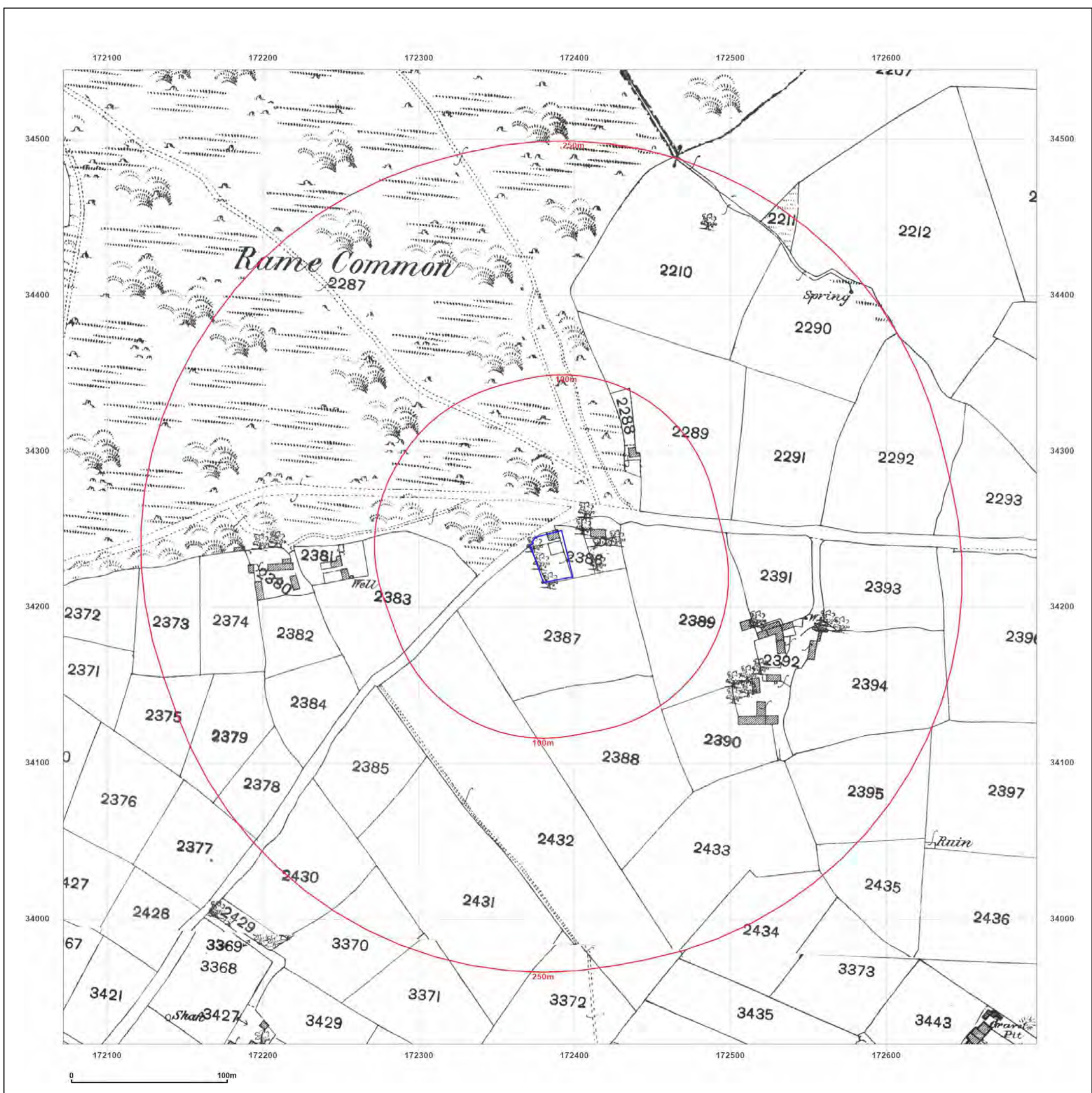


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**Site Details:**

RAME COTTAGE, RAME COMMON, RAME, TR10 9LP

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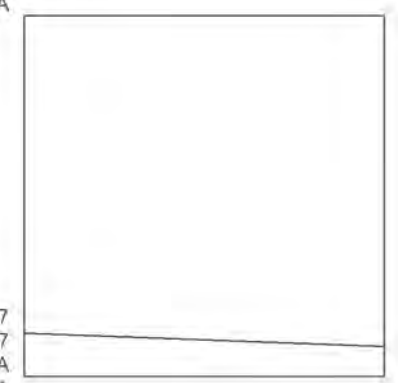
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**Scale:** 1:2,500

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 Revised 1907  
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 Revised 1907  
 Edition N/A  
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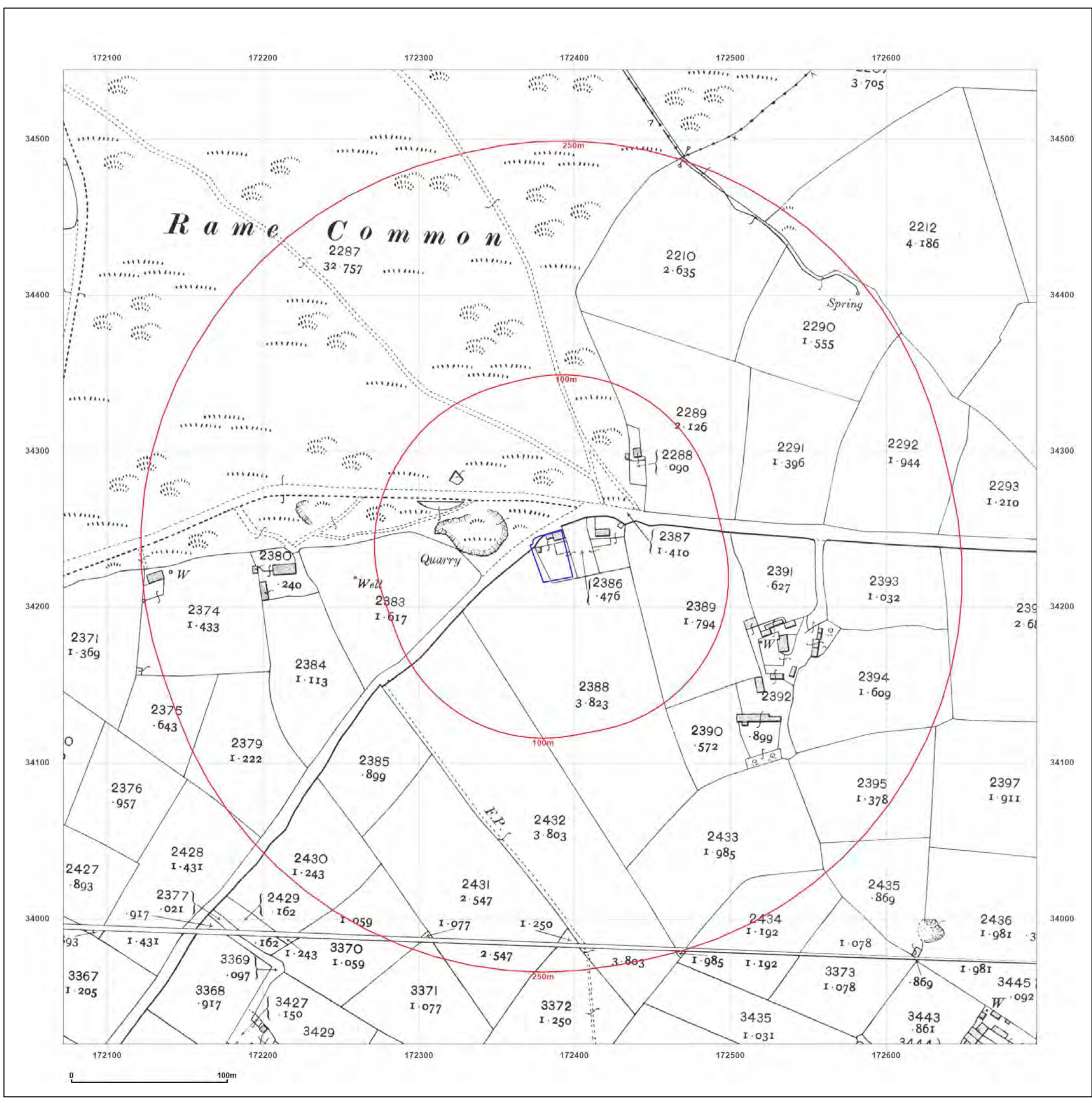


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**Site Details:**

RAME COTTAGE, RAME COMMON, RAME, TR10 9LP

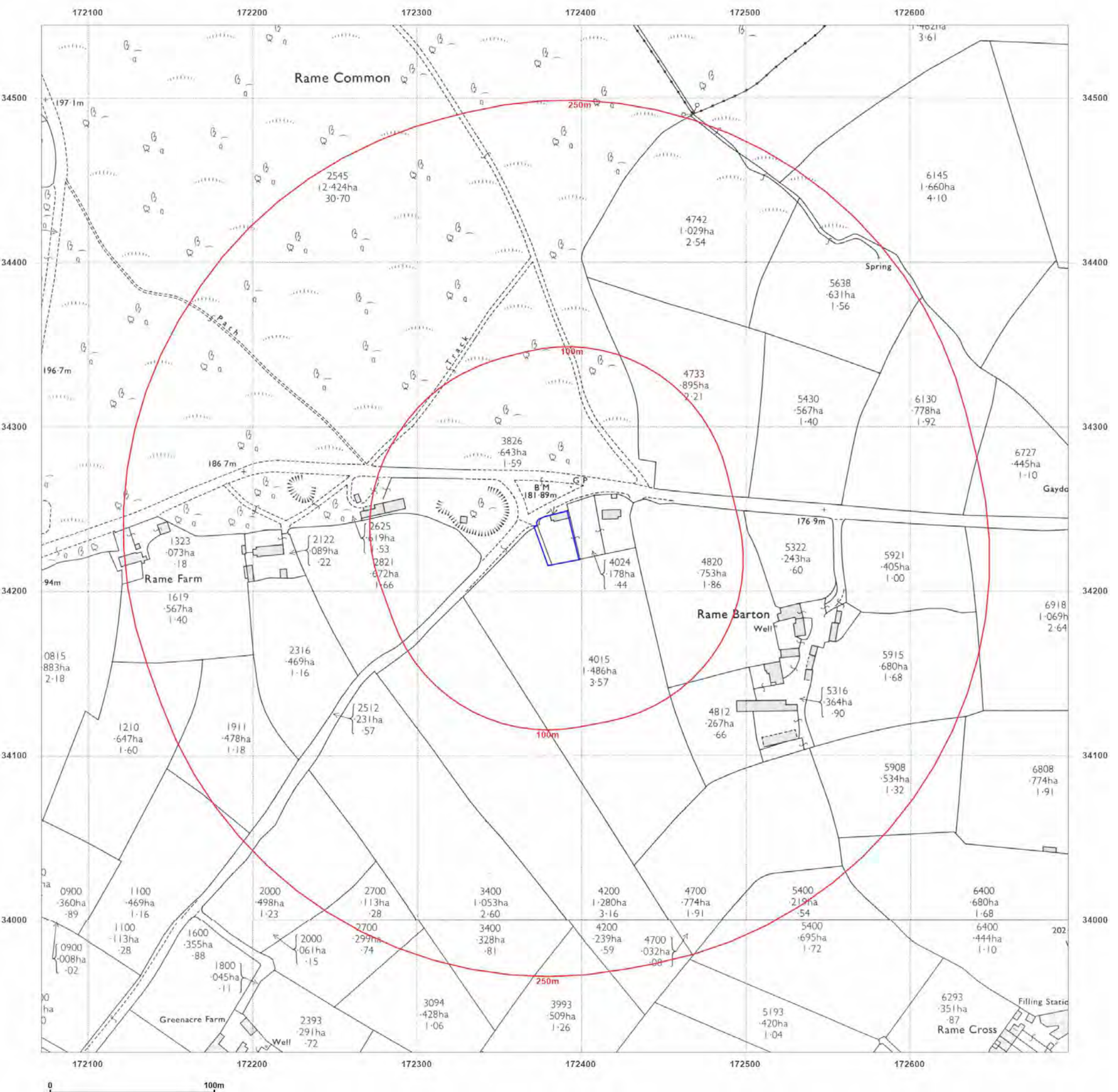
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**Grid Ref:** 172384, 34232

**Map Name:** National Grid

**Map date:** 1971

**Scale:** 1:2,500

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



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Map legend available at:  
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**Scale:** 1:2,500  
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 Edition N/A  
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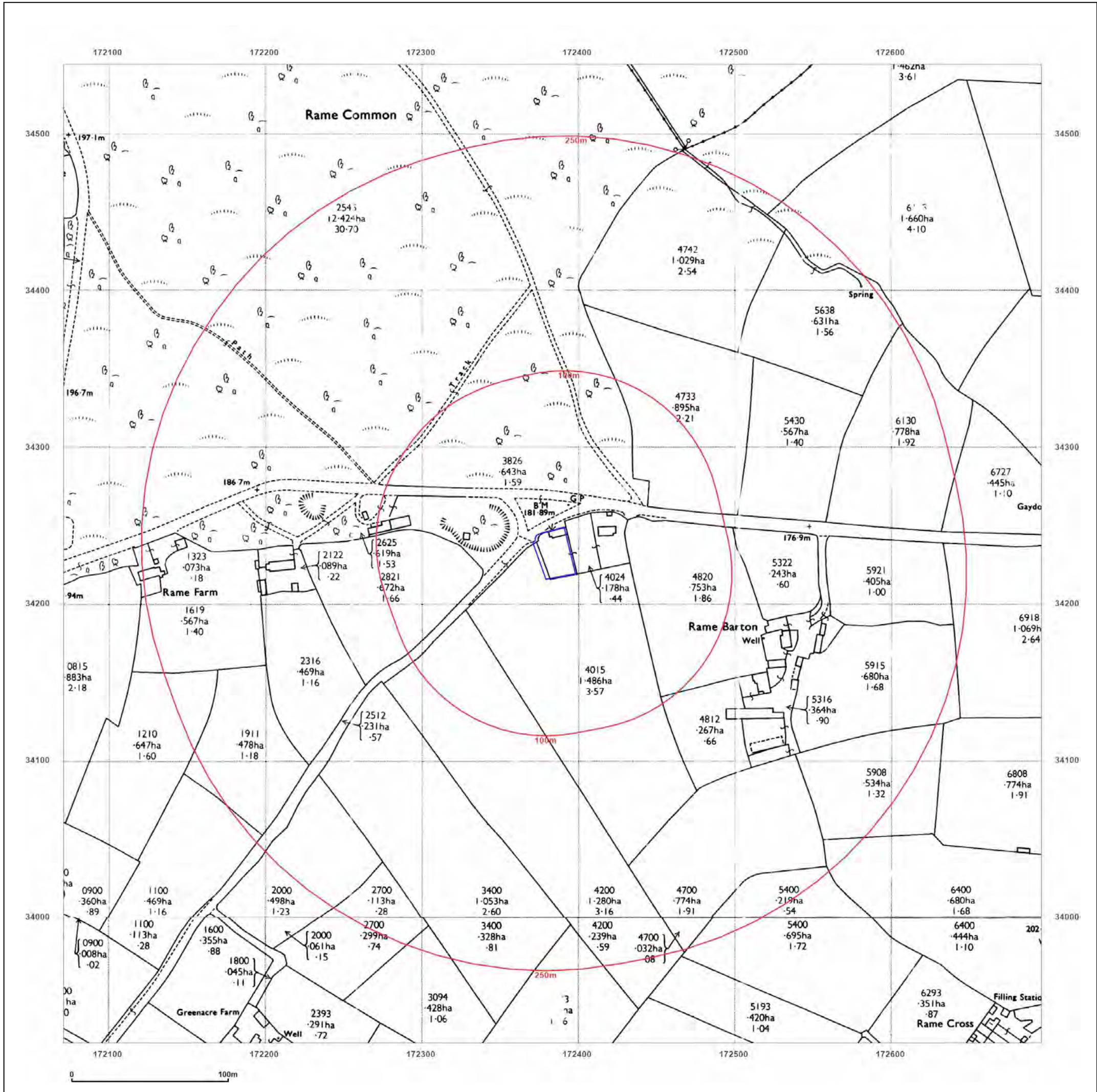
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**Site Details:**

RAME COTTAGE, RAME COMMON, RAME, TR10 9LP

**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** LandLine

**Map date:** 2003

**Scale:** 1:1,250

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

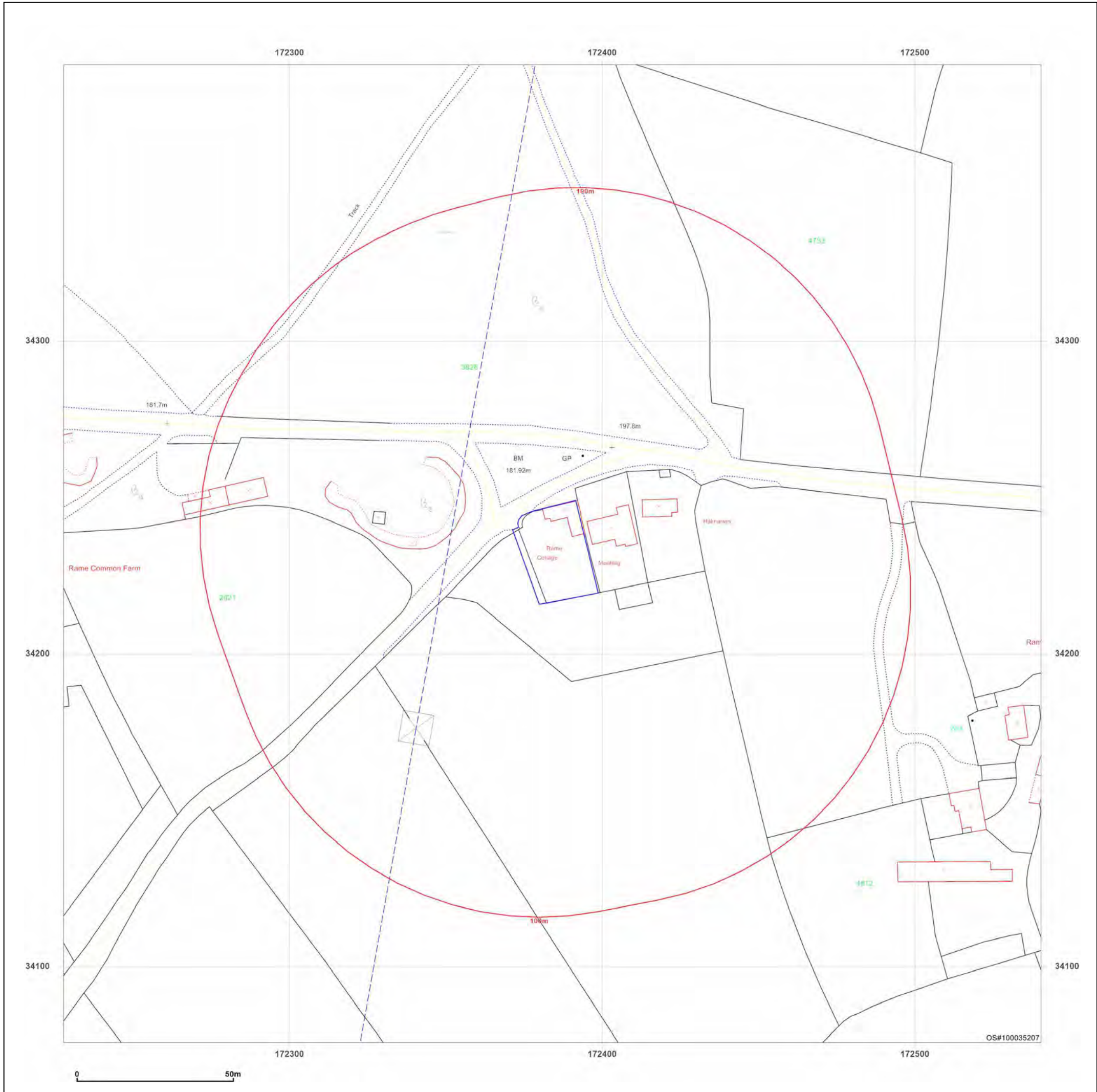


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**Site Details:**

RAME COTTAGE, RAME  
COMMON, RAME, TR10 9LP

**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** County Series

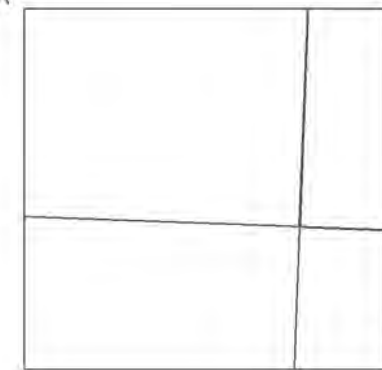
**Map date:** 1888

**Scale:** 1:10,560

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



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Revised N/A  
Edition 1888  
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Edition 1888  
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Edition 1888  
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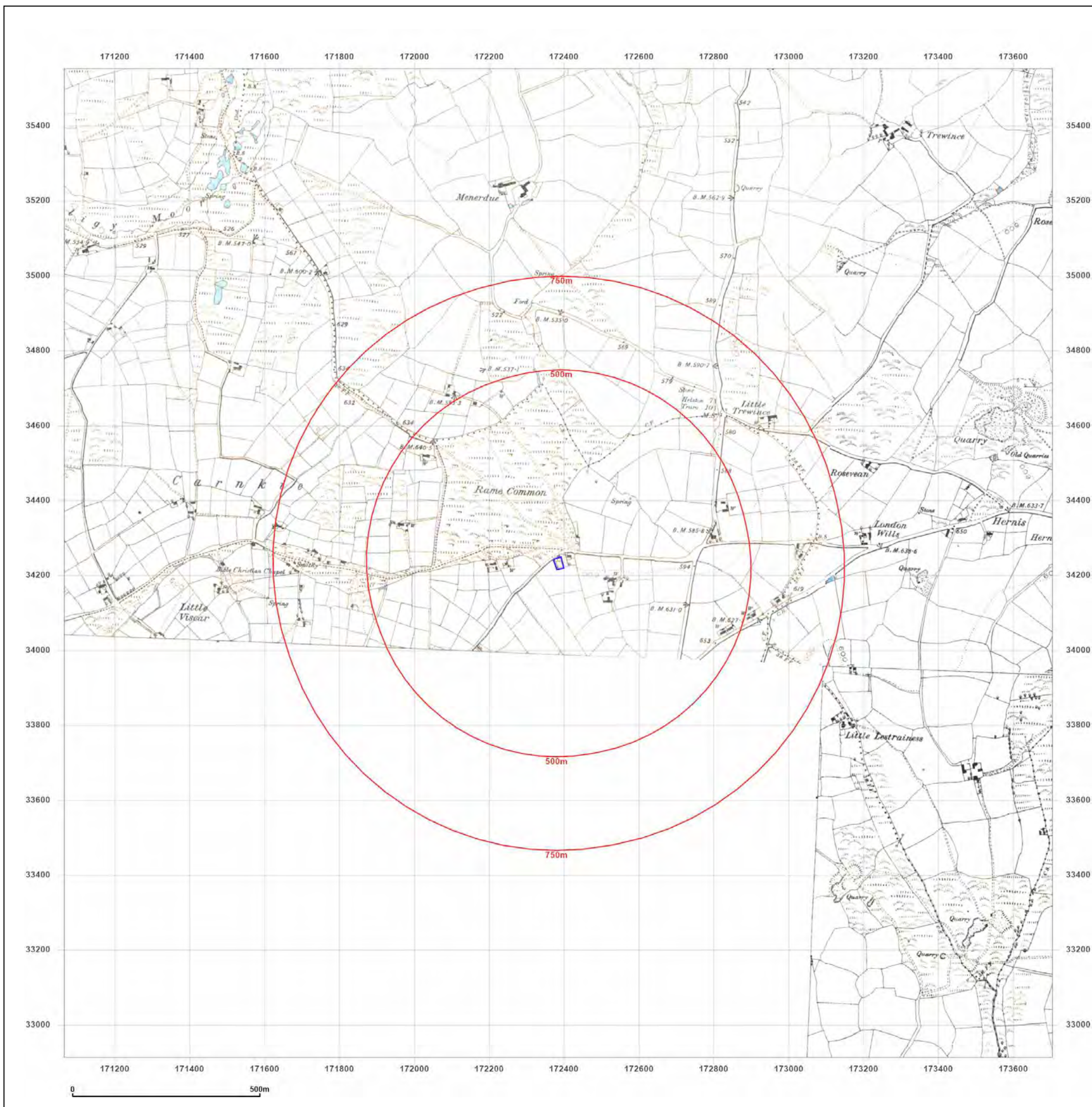


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**Site Details:**

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COMMON, RAME, TR10 9LP

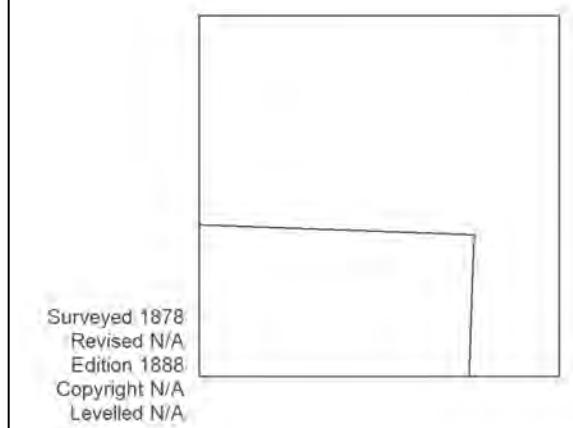
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**Map Name:** County Series

**Map date:** 1888

**Scale:** 1:10,560

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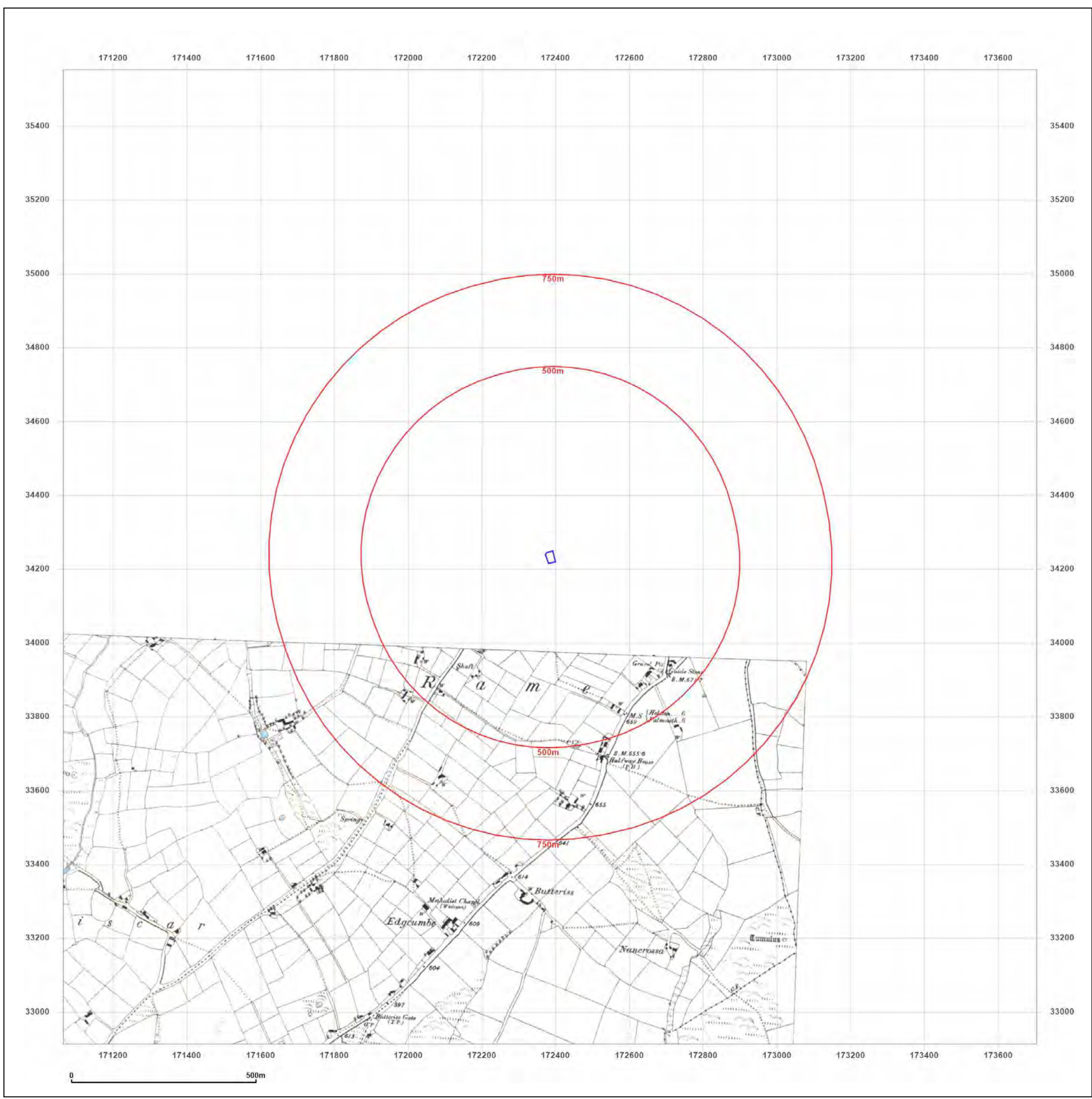


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**Site Details:**

RAME COTTAGE, RAME  
COMMON, RAME, TR10 9LP

**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** County Series

**Map date:** 1906-1909

**Scale:** 1:10,560

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



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Edition 1908  
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Surveyed 1877  
Revised 1906  
Edition N/A  
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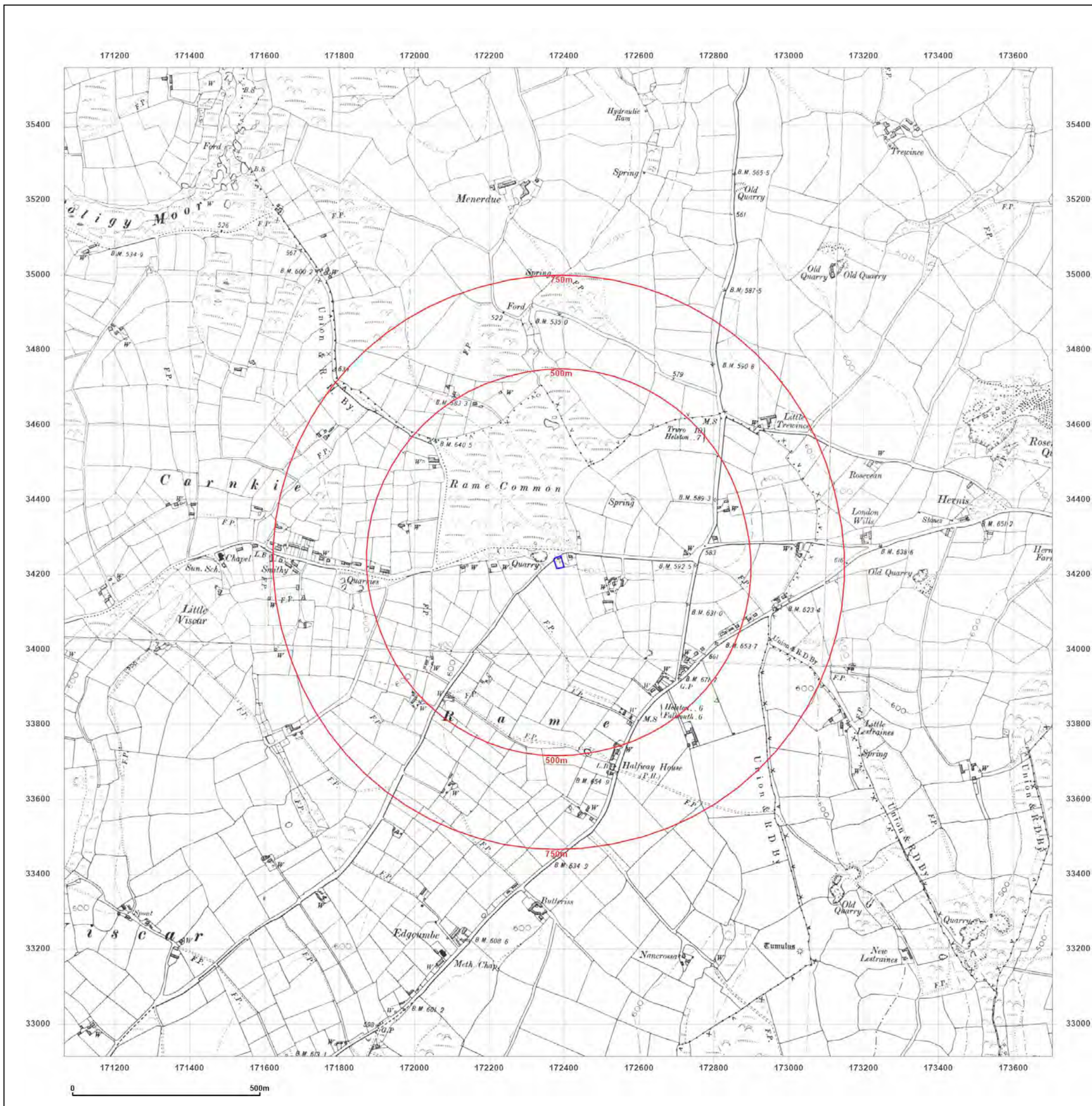


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**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** Provisional

**Map date:** 1958-1962

**Scale:** 1:10,560

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



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Revised 1958  
Edition N/A  
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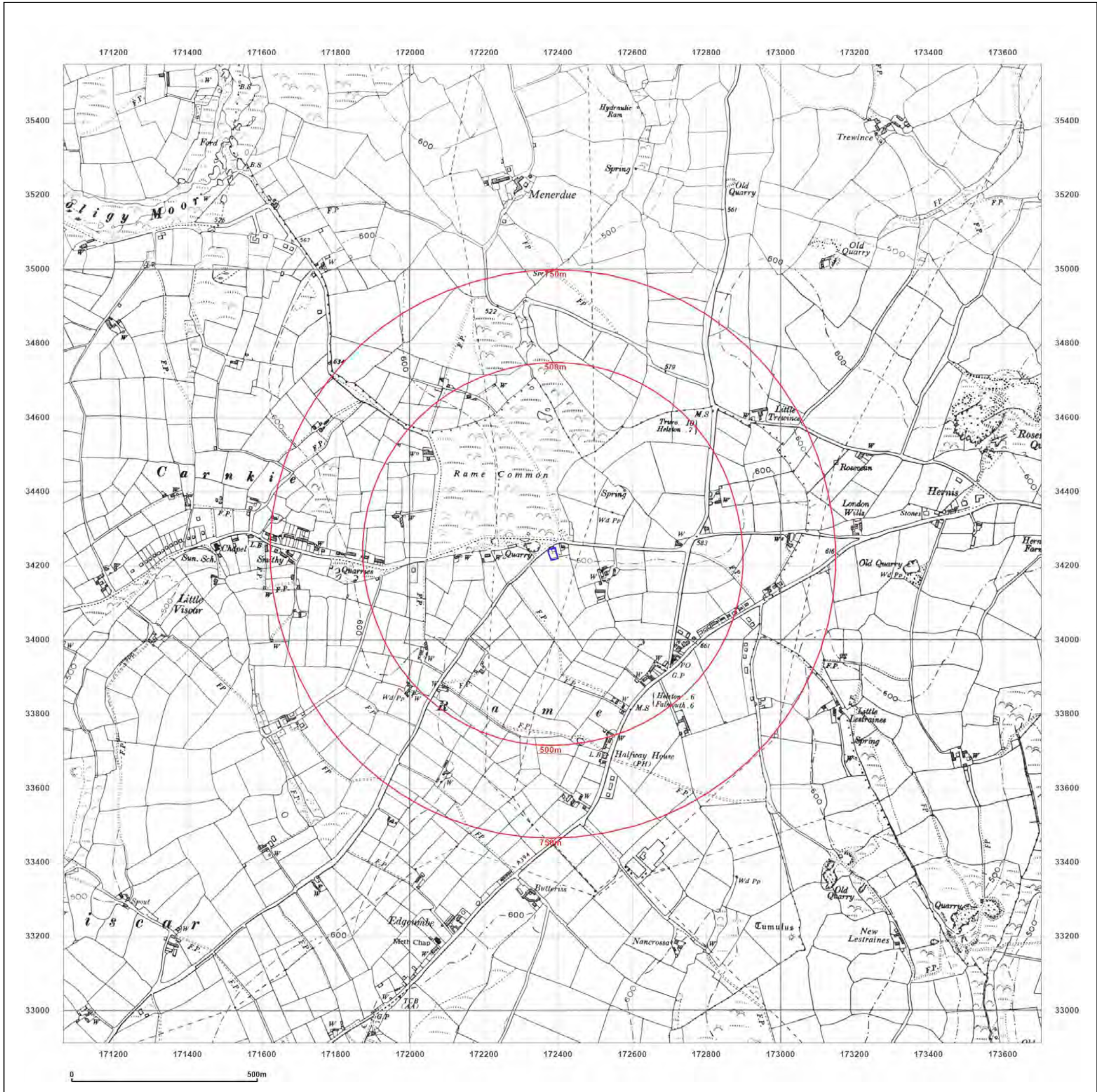


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**Site Details:**

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**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** National Grid

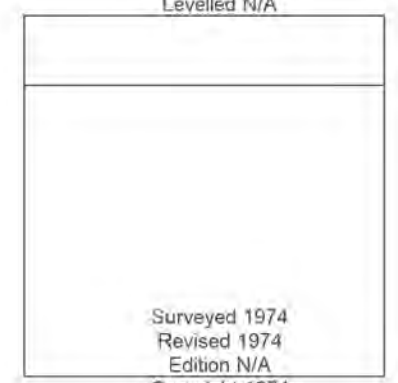
**Map date:** 1974-1977

**Scale:** 1:10,000

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



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 Revised 1977  
 Edition N/A  
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 Levelled N/A



Surveyed 1974  
 Revised 1974  
 Edition N/A  
 Copyright 1974  
 Levelled N/A

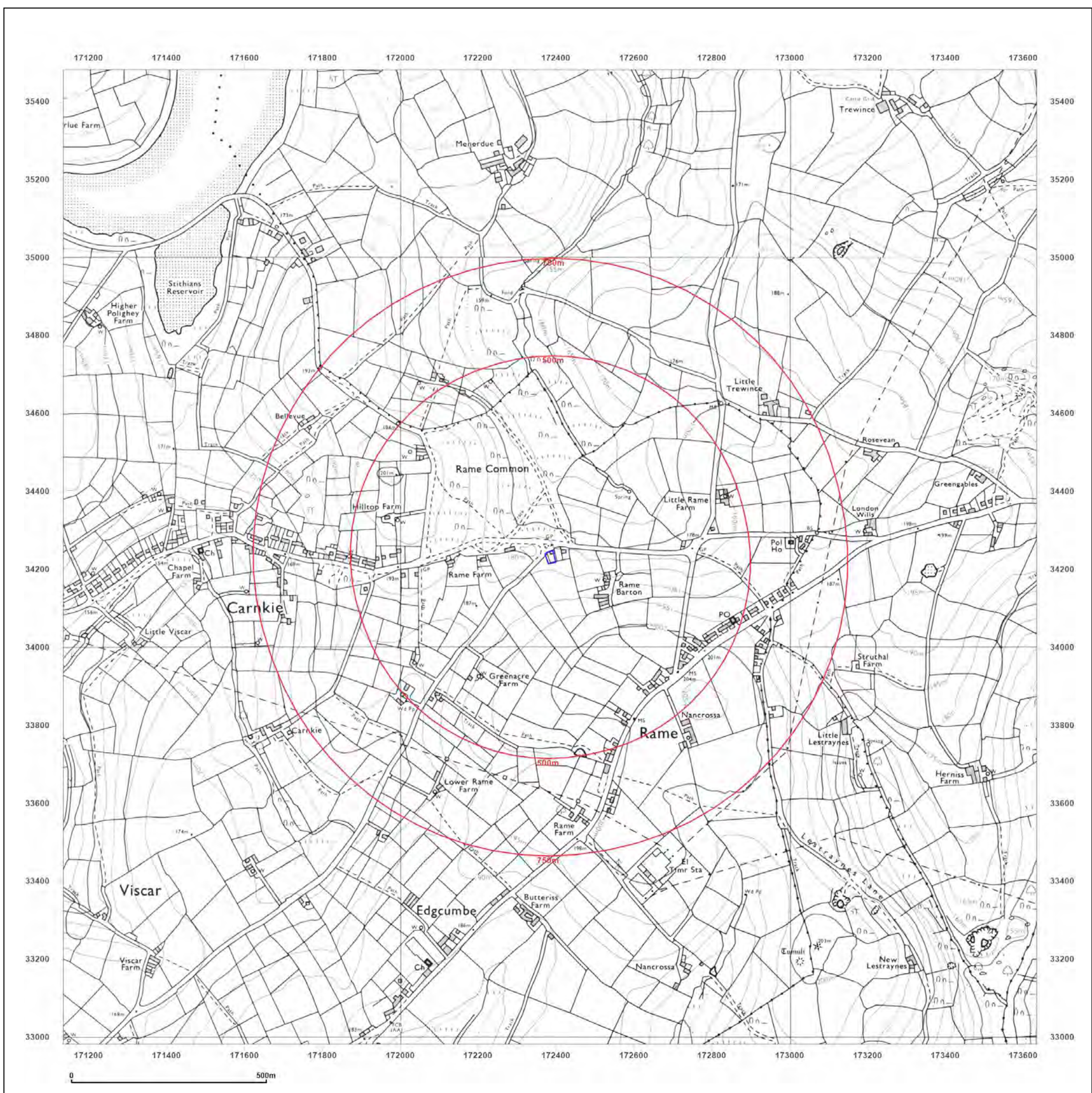


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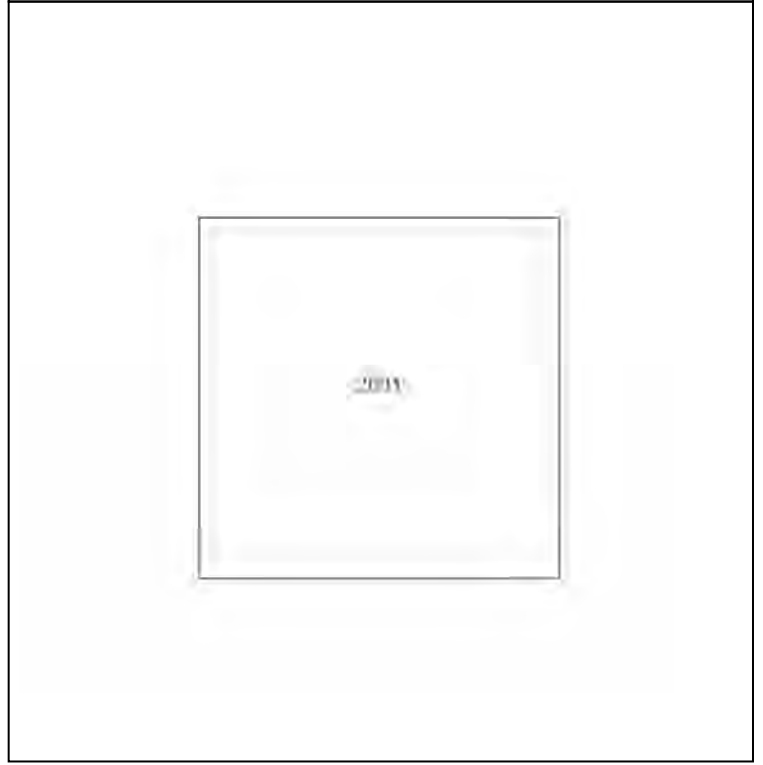




**Site Details:**  
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**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** National Grid  
**Map date:** 2001  
**Scale:** 1:10,000  
**Printed at:** 1:10,000



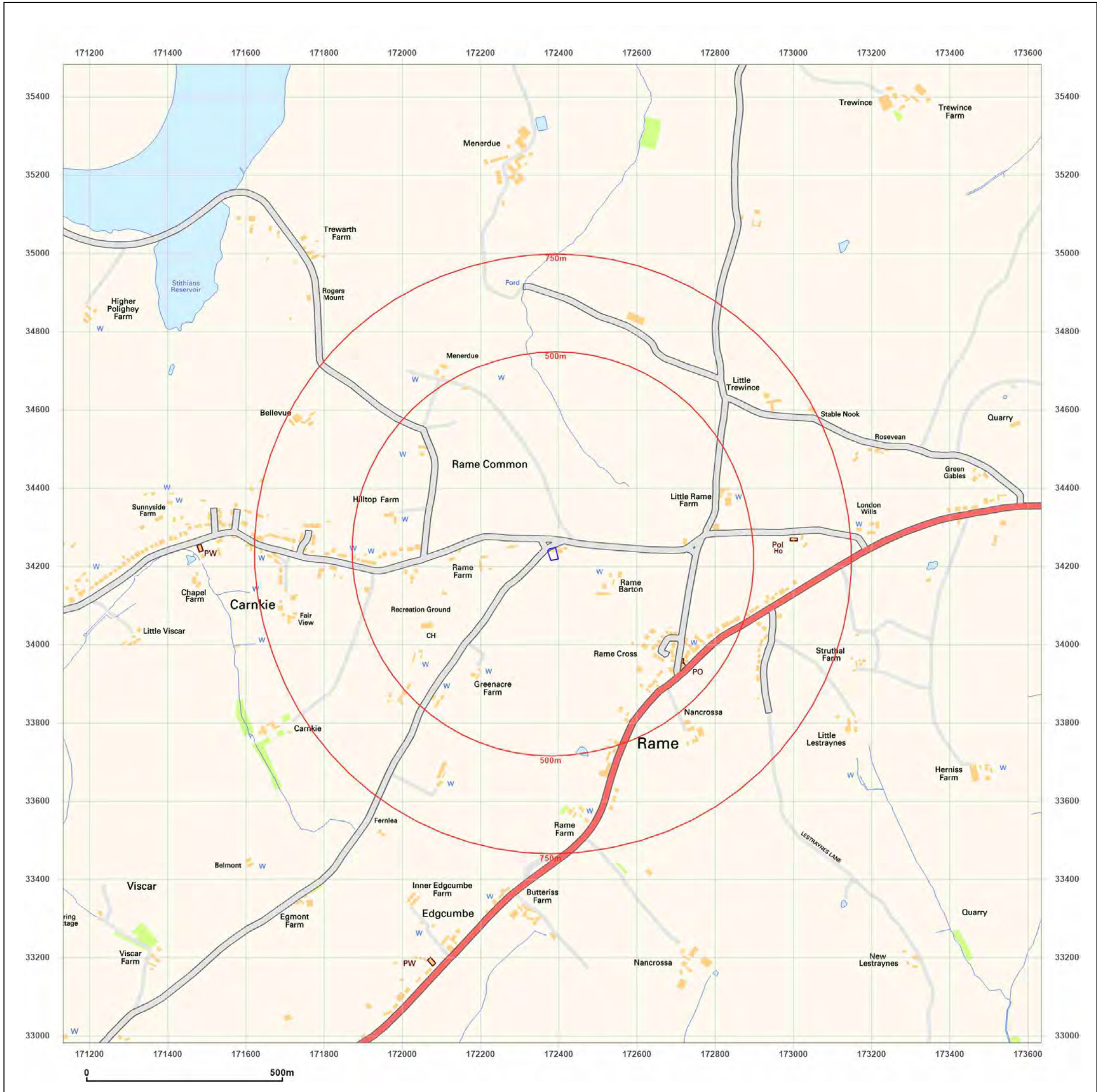
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**Client Ref:** GEO2020786183  
**Report Ref:** GSMSU-PEC-7QI-K94-OR8  
**Grid Ref:** 172384, 34232

**Map Name:** National Grid

**Map date:** 2010

**Scale:** 1:10,000

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

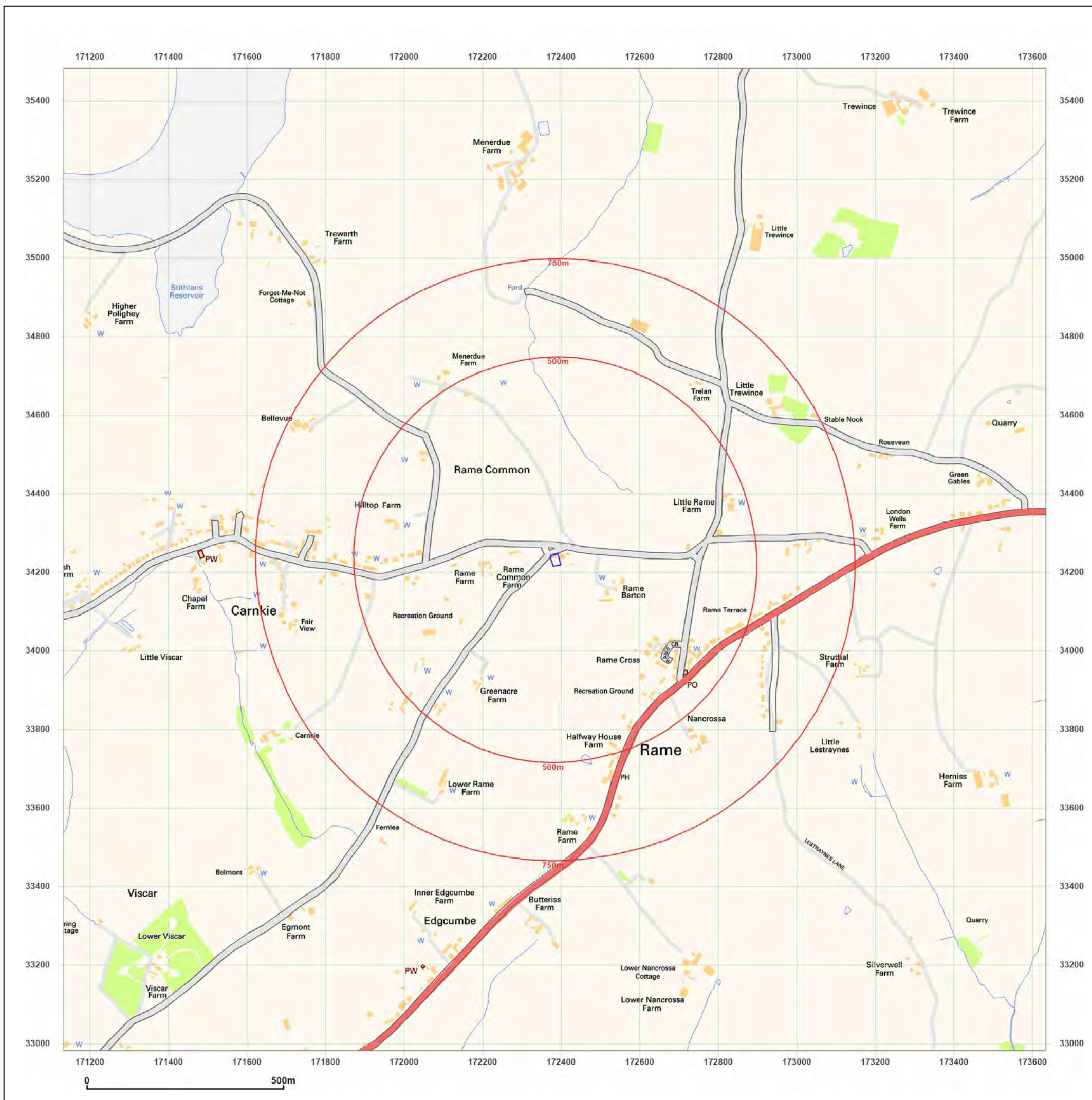


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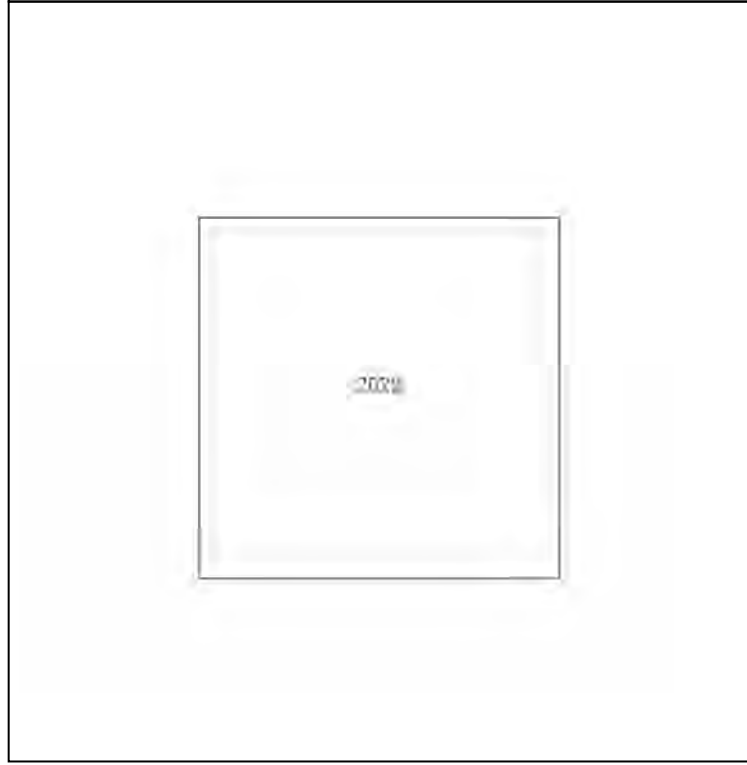
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**Grid Ref:** 172384, 34232

**Map Name:** National Grid

**Map date:** 2023

**Scale:** 1:10,000

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



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