Goldfinch
ENVIRONMENTAL LTD

# PROPOSED RESIDENTIAL DEVELOPMENT
# LAND BETWEEN 65 & 67 MAIN STREET
# GREAT GIDDING
# HUNTINGDON

# PROPOSED RESIDENTIAL DEVELOPMENT LAND BETWEEN 65 & 67 MAIN STREET GREAT GIDDING HUNTINGDON

## TIER 1 ~ CONTAMINATION RISK ASSESSMENT

**Report Ref.: 0980/1**

**Prepared by :**

[redacted]
[Dir.]

**Date:**

November 2024



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**PROPOSED RESIDENTIAL DEVELOPMENT**

**LAND BETWEEN 65 & 67 MAIN STREET**

**GREAT GIDDING**

**HUNTINGDON**

# 1. INTRODUCTION.

## 1.1 General.

This report describes the findings of a ['Tier 1'~] contamination assessment [formerly 'Phase 1 Desk Study'] undertaken by Goldfinch Environmental Limited on the instruction of [redacted] (the Client), via the offices of Swann Edwards Ltd, at a site between 65 & 67 Main Street, Great Gidding, Huntingdon.

The Desk Study was required to support a planning application for the development of the site to a [continued] residential land use by establishment of a new residential dwelling as shown in Figure 2 towards the back of this report.

A site location plan has been included as Figure 1 with the proposed layout shown in Figure 2 towards the back of this report to assist the reader.



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## 2. LIMITATIONS.

This report is for the sole reliance and use of the Client. Any Third Party coming into possession of this report relies on it at their risk, unless written permission is expressly sought from, and provided by, Goldfinch Environmental Limited. The author owes them no duty of care and skill. Goldfinch Environmental Ltd accepts no responsibility or liability for the consequences of this document being used for purposes other than that for which it was commissioned and the assessments provided herein should not be relied on as a legal opinion.

The findings and opinions expressed are relevant to the time of the site visit and information review and should not be relied upon to represent conditions at substantially later dates. The assessments and opinions given in this report are based upon information available at the time of the report. Where additional information comes available which may affect or identify a need to review our conclusions or assessments we request the opportunity (and reserve the right), to review the information and where warranted, modify our assessment / opinion in part or wholly, accordingly.

The purpose of this desk study report was to determine the historical use of the site and adjacent areas from searches of Public Registers and a review of available historical maps and included a site reconnaissance ('walkover') survey together with brief internet searches. The outcome of these activities is described below and this information was used to construct a conceptual model for the site from which a risk assessment was completed in the context of the proposed residential development of the site.

The risk assessment was based on the source-pathway-receptor framework, with respect to the geoenvironmental condition of the site in the context of various sensitive receptors. Goldfinch Environmental Ltd have based this desk study upon the sources given in this report, and believes them to be reliable but cannot and does not guarantee the authenticity or reliability of the data it has relied upon.

This desk study does not include any geotechnical considerations pertaining to the site as these were outside the agreed brief.

The recommendations given in this report are based on guidance and best practice in place at the time of issue of the report, the information available at the time of the investigation, the nature of the indicated proposed development and associated end user behaviour patterns. Should any of the foregoing change at any time, then this report should be reviewed in the context of proposed changes.

The absence of indicators in search data, or from on site observations does not rule out their presence in other parts of the site. This desk study report has been based on information supplied in the 'GroundSure' report and its component parts included at Appendix 1 towards the back of this report, discussions with the Client and in-house searches.



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## 3. LEGISLATIVE & REGULATORY SETTING.

The Environmental Protection Act of 1990 created the framework for the identification and remediation of contaminated land. The Act defines “contaminated land” as any land, which appears by the Local Authority to be “in such a condition, by reason of substances, in, on, or under the land that significant harm is being caused or there is significant possibility of such harm being caused, or, pollution of Controlled Waters is being, or is likely to be, caused”.

Land potentially affected by ‘contamination’ is a material consideration for planning purposes together with its relationship with ‘regulatory intervention’ (Part IIa), and ‘voluntary’ investigation (which includes redevelopment of sites which may be affected by contamination). LCRM (Environment Agency 2020 updated April 2021), provide a generic framework indicating key technical activities applicable in each of these contexts.

The management of land contamination broadly comprises three components that are identified as ‘Risk assessment’, ‘Options appraisal’ and ‘Implementation’. These, in turn, determine if any *un*acceptable risks exist, ascertain the most appropriate remediation strategy for the site and, finally, demonstrate that the strategy will be effective.

In accordance with this and other current guidance, where a ‘land quality’ risk assessment is required each ‘Relevant Pollutant Linkage’ (RPL, formerly referred to as “source-pathway-receptor” framework), is separately identified and a level of risk attached. This is documented in the form of a ‘Conceptual Model’.

The outcome of the assessment of established, plausible relevant pollutant linkages is used to determine qualitatively the need for further investigation, or remediation with ensuing mitigation of the determined unacceptable risk. (In accordance with the Model Procedures and Regulatory preference, detailed remedial measures should be provided in a separate phase).

The risk assessment takes account of the local environment, end user behaviour patterns, and the nature of the development in relation to proven ‘unacceptable’ risk. This is the approach advocated by current guidance (LCRM 2021 and BS10175 etc), and therefore has been adopted in the assessment of this site.



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# 4. SITE LOCATION AND DESCRIPTION.

## 4.1 Introduction

A site visit was carried out during 18 November 20240 the purpose being to:-

I. Collect additional/relevant information about the site its environs and any site-specific potential contaminants, pathways and receptors.

II. Record any aspects of the site not revealed by documentary searches. (e.g. the presence of above- or belowground hydrocarbon storage tanks.).

III. Collect any information that will assist in the planning of any subsequent phases of field investigation where the Desk Study deems this is necessary.

Approximate Grid Reference $^{5}$11899, $^{2}$83488 refers.

The site comprised a subrectangular sensibly level plot of land on the northern side of Main Street towards the approximate centre of Great Gidding, Huntingdon.

At the time of the site walkover survey the site was capped with soft cover of short grass with small areas of exposed soils and a ‘composite’ building as can be seen in some of the images below.



**Photograph 1: View of the Site from the East.**



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The buildings had been mainly built from pale coloured brick and timber with brick paved or concrete floors with roofing formed from tiles as shown in Photograph 2 and 3 below.



**Photograph 2: Internal View of the Eastern Building.**



**Photograph 3: Internal View of the Central Building.**



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A discontinuous cover of straw was noted in the buildings at the site suggesting possible recent use as stabling/livery otherwise the floor surfaces were relatively stain-free suggesting that potentially leachable materials had NOT been stored at the site.

Visual inspection of the exposed soils and vegetation across the site showed an absence of discoloration or stress.

Following visual inspection of the site there were no notable features with regard to land contamination. In addition, although the site had been subject to previous 'development' [as it had existed as part of a larger farm] there was no apparent evidence of:~

1. The presence of Made Ground [other than the inert sources referred above.].

2. The presence or storage of potentially leachable materials/chemicals.

3. Demolition or dispersal of *contaminated* rubble or other materials.

4. Importation of potentially contaminated fill onto the site.

5. Asbestos: There was no evidence in exposed surfaces to suggest the presence of asbestos containing materials in the fabric of the buildings.



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# 5. SITE HISTORY.

## 5.1 Historical Maps.

Where the attached maps are compiled from a composite of editions, the year of map upon which the majority of the site may be found is quoted below. These are reproduced at Appendix 1. Annotation, as it appears on the maps, is indicated by italics.

Land use in excess of 250m from the site is considered of potentially negligible to low risk to the application site and on that basis is generally excluded from the summary provided below (unless record review by this author suggests otherwise). However, should the reader require this additional detail, full disclosure records are included in Appendix 1 towards the back of this report.

(The reader should note at this point that occasionally on the older map editions the site boundaries can be slightly 'shifted' relative to more recent maps.).

### 1885-7 Edition {County Series - Scale 1:10 560}

The site was shown as a developed plot of land towards the approximate centre of the village of Great Gidding. Specific details of development at the site were difficult to discern clearly.

Land to the northeast and soutwest of the site was developed.

There were no other notable features associated with the site or surrounding land use in the context of land quality.

### 1889 Edition {County Series - Scale 1:2 500}

Development at the site was now clearly shown as two distinct buildings with possible hard cover between possibly forming a yard. A '*Pump*' was noted in the southeastern part of the site.

There were no apparent changes to the site or its immediate environs at this scale of mapping. However, this does not preclude minor development having taken place.

### 1899-1900 Edition {County Series - Scale 1:10 560}

There were no apparent changes to the site or its immediate environs at this scale of mapping. However, this does not preclude minor development having taken place.



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### 1899-1901 Edition {County Series - Scale 1:10 560}

There were no further apparent changes to the site at this scale of mapping.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.

### 1900 Edition {County Series - Scale 1:2 500}

There were no apparent changes to the site.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.

### 1901 Edition {County Series - Scale 1:2 500}

There were no apparent changes to the site.

There were no further pertinent land use changes to the immediate environs of the site.

### 1924 Edition {County Series - Scale 1:10 560}

There were no apparent changes to the site or its immediate environs at this scale of mapping [except that the '*Pump*' was no longer shown.].

### 1926 Edition {County Series - Scale 1:2 500}

There were no apparent changes to the site.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.

### 1950 Editions {County Series & Provisional - Scale Both 1:10 560}

There were no apparent changes to the site.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.



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### 1976-7 Edition {National Grid - Scale 1:2 500}

The former building nearest the public highway [front of the site] was no longer shown and had possibly been removed.

The immediate environs of the site had undergone minor development, possibly to a residential use, at this scale of mapping.

### 1977 Edition {National Grid - Scale 1:2 500}

There were no apparent changes to the site.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.

### 1981 Edition {National Grid - Scale 1:10 000}

There were no apparent changes to the site at this scale of mapping.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.

### 1994 Edition {National Grid - Scale 1:2 500}

There were no apparent changes to the site at this scale of mapping except that a circular feature was shown. There was no map annotation indicating its purpose[s].

There were no apparent changes to surrounding land at this scale of mapping. However, this does not preclude minor development having taken place.

### 2001 Edition {National Grid - Scale 1:10 000}

There were no apparent changes to the site.

There were no apparent changes to the immediate environs of the site.

### 2003 Edition {LandLine - Scale 1:1 250}

There were no apparent changes to the site.

There were no apparent changes to the immediate environs of the site.



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### 2010 Edition {National Grid - Scale 1:10 000}

There were no further changes to the site.

There were no apparent change to the immediate environs of the site at this scale of mapping. However, this does not preclude minor development having taken place.

### 2024 Edition {National Grid - Scale 1:10 000}

There were no apparent changes to the site or surrounding environs with respect to land contamination.

### 5.1.i Review of Aerial Images

The more recent historic maps show a circular feature in the west of the site which extends beyond the western boundary of the site. The historic maps provide no annotation regarding its function of purpose. Shown on the 1999 *et seq* aerial images with soft cover probably grass, and not evident at this time of the site walkover survey it is possible this area was used for equine exercise [‘manege’] purposes. *The Reader should note that this is Author ‘inference’ only in the absence of any substantive information and the relatively rural setting of the site.*

## 5.2 Public Registers.

A search of public register information has been made using an Internet-based system. A disclosure report is reproduced at Appendix 1. The following commentary is restricted to entries within a 250m search radius of the site. Appendix 1 should be referred to for details on entries beyond of this range.

### 5.2.1 Past Land Use

There were no records for these potential sources of soil-borne contamination within the search radius for the site.

### 5.2.2 Past Land Use – Ungrouped

There were no records for these potential sources of soil-borne contamination within the search radius for the site.



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### 5.2.3 Waste & Landfill

There were no records for this potential source of contamination within the search radius for the site.

### 5.2.4 Current Industrial Land Use

#### 5.2.4.1 Recent Industrial Land Uses

There were two entries for the referred search radius for the site. Supplied information indicated these were located between approximately 18 and 86m distant from the site and were given as; '*Contract Services*' and '*Consumer Products*'.

### 5.2.5 Hydrogeology

#### 5.2.5.1 Superficial Aquifer

Records were '*Identified*' within supplied search data and indicated the site was underlain by a '*Secondary*' aquifer.

#### 5.2.5.2 Bedrock Aquifer

Records were '*Identified*' within supplied search data and indicated the site was underlain by a '*Unproductive*' aquifer.

### 5.2.6 Geology

#### 5.2.6.1 Superficial (1:50 000)

Records were '*Identified*' within supplied search data and indicated the site was underlain by Oadby Member (Diamicton).

#### 5.2.6.2 Bedrock (1:50 000)

Records were '*Identified*' within supplied search data and indicated the site was underlain by Oxford Clay Formation (Mudstone).

### 5.2.7 Radon

Searches indicated that the site is in an area where less than 1% of properties are above the 'Action Level' therefore radon protection measures are not necessary in extensions and new dwellings.



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# 6. PRELIMINARY QUALITATIVE RISK ASSESSMENT.

## 6.1 Introduction.

There are three factors that are taken into account whilst undertaking a qualitative risk assessment. These have been described in Section 3 of this document. At the time of this report, the site had been proposed for residential development.

## 6.2 Conceptual Model.

| Source (s) (Potential) | Pathway | Target | Risk |
|---|---|---|---|
| ***Soil:***<br><br>The site had existed as a sparsely developed plot of land since at least 1885 with minor changes shown on the 1976-7 and 1994 Editions with no further changes to the present day. i.e. the time of the site walkover survey carried out by this Author during 18 November 2024.<br><br>There were no [*plausible*] site-specific indicators of potential soil-borne contamination.<br><br>Visual and olfactory indicators of potential contamination immediately nearby off site were not noted. | ❖ Dermal contact, ingestion and inhalation | • Present users<br>• End users<br>• Construction workers<br>• General public | • Low<br>• Low<br>• Low<br>• Low |
| | ❖ Wind erosion and atmospheric dispersion | • Adjacent properties<br>• General public<br>• Ecological Systems<br>• Archaeological Sites & Monuments | • Low<br>• Low<br>• Low<br>• n/a |
| | ❖ Leaching | • Adjacent properties<br>• Shallow groundwater<br>• Services/construction materials<br>• Plant life<br>• Surface water<br>• Ecological Systems<br>• Arch. & Monuments | • Low<br>• Low<br>• Low<br>• Low<br>• Low<br>• Low<br>• Low |
| ***Shallow groundwater:***<br><br>The site overlies '*Secondary*' and '*Unproductive*' aquifers, which were not considered to be pollution sources. | ❖ Groundwater migration | • Adjacent properties<br>• Deep groundwater<br>• Services/construction materials<br>• Plant life<br>• Ecological Systems<br>• Archaeological Sites & Monuments | • Low<br>• Low<br>• Low<br>• n/a<br>• Low<br>• Low |
| | ❖ Dermal contact, ingestion and inhalation | • Present users<br>• End users<br>• Construction workers<br>• General public | • Low<br>• Low<br>• Low<br>• Neg-Low |
| ***Gas:***<br><br>Measurable (background) concentrations of ground gas would not (reasonably) be anticipated to be present as a result of historical site use or the underlying natural geology. | ❖ Direct inhalation<br>❖ Soil migration<br>❖ Services migration | • End users<br>• Construction workers<br>• Buildings<br>• Ecological Systems<br>• Arch. Sites & Monuments | • Low<br>• Low<br>• Low<br>• Low<br>• Neg |

| | |
|---|---|
| ***Negligible Risk*** | Defined as the site should be considered suitable for present or future use and environmental setting. Contaminants unlikely to be present, which might have unacceptable impact on key targets. |
| ***Low Risk*** | Defined as the site should be considered suitable for present or future use and environmental setting. Contaminants may be present but unlikely to have unacceptable impact on key targets. |
| ***Medium Risk*** | Defined as the site may not be suitable for present or future use and environmental setting. Contaminants are probably present and might have unacceptable impact on key targets. |
| ***High Risk*** | Defined as the site is probably or certainly not suitable for present or future use and environmental setting. Contaminants probably or certainly present and likely to have an unacceptable impact on key targets. |
| Notes: | n/a = not applicable |

The risk assessment follows below:-



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## 6.3 Targets.

Potential targets, in the context of the risk assessment (based on the relevant pollutant linkage), where a plausible pathway can be proven, are discussed as follows.

At the time of this report, the proposed scheme comprised residential development.

### 6.3.1 Human Health (Site Users & Construction Workers)

The site had a limited documented development history as described, which included its establishment. There is little or no potential for the presence of limited thicknesses of Made Ground other than the inert sources referred in Section 4 of this report.

Based upon the foregoing and the final paragraph of this report, regarding 'unanticipated contamination:-

A *Low* risk has been identified until proven otherwise.

### 6.3.2 Services and Construction Materials

#### 6.3.2.1 Concrete & Potable water supplies.

Adverse effects on services and construction materials may be anticipated where soils are impacted by localised raised/lowered pH values, PAH's, TPHs and metals contamination and where these are present in Made Ground materials. However, in this instance and based on the absence of Made Ground and the foregoing:-

A *Low* risk has been identified.

## 6.4 Landscaping & Planting

Based on the foregoing a '*Low*' risk is presented to this receptor from the Made Ground present at the site.

## 6.5 Groundwater (Controlled Waters)

The site is underlain by '*Secondary*' and '*Unproductive*' aquifers. However, there remains the potential for small quantities of perched groundwater in any superficial fills (or Made Ground), where these are present. However, searches indicated in this instance that the presence of significant thicknesses of Made Ground would not be reasonably anticipated given the documented history of the site.



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A *Low* risk to deeper groundwater has been identified.

## 6.6 Ground Gas

Measurable concentrations of soil gases (predominantly carbon dioxide) would not be reasonably anticipated to be present as a function of any made ground present. However, where present, any granular overburden would mitigate the risk of ground gas buildup via natural ventilation of ground gas to atmosphere.

On the basis of the foregoing:~

A *Low* risk has been identified.



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# 7. RECOMMENDATIONS FOLLOWING PRELIMINARY RISK ASSESSMENT.

## 7.1 Overview.

The desk study information (including the outcome of the walkover survey), showed the site had a limited documented developmental history since its establishment.

The site walkover survey and the searches carried out as part of this Desk Study indicated that there were no readily identifiable [plausible-] sources of contamination.

Made Ground was not noted to be present.

On that basis, and subject to the final paragraph in this report (in blue text), the need for a Phase 2 intrusive investigation is considered *un*warranted.

The opinions and recommendations in this report are subject to the agreement of the Regulators.



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## 8. CONCLUSIONS.

This contamination assessment report prepared by Goldfinch Environmental Limited was undertaken on the instruction of [redacted] (the Client), via the offices of Swann Edwards Ltd, at a site between 65 & 67 Main Street, Great Gidding, Huntingdon.

The site was proposed for residential development.

There were no notable features present in the context of land contamination other than inert Made Ground as described above.

Desk Study searches have shown that the site rests on Diamicton underlain by Mudstone.

An *overall Low* risk is associated with the site *subject to the final paragraph in this report.*

Recommendations for the need for further work (or otherwise) have been discussed in Section 7 of this report.

Also, at all times especially once any necessary groundworks have commenced, the final paragraph below applies regarding 'unanticipated' contamination.

The reader should note that the opinions, recommendations and conclusions in this report are subject to the agreement of the Local Authority who are the final arbiters in these matters.

Based on the foregoing, a *Low* risk to construction workers and services installations has been associated with the site until proven otherwise. Site personnel, particularly groundworkers, should follow sound health and safety welfare practices that will further mitigate this level of risk.

*Should unanticipated contamination be suspected, or revealed during any groundworks, then the area should be temporarily isolated and further advice sought by a suitably independent qualified person and a management strategy for these occurrences should be submitted to the Local Authority for their approval prior to proceeding, as required by Regulatory Offices.*



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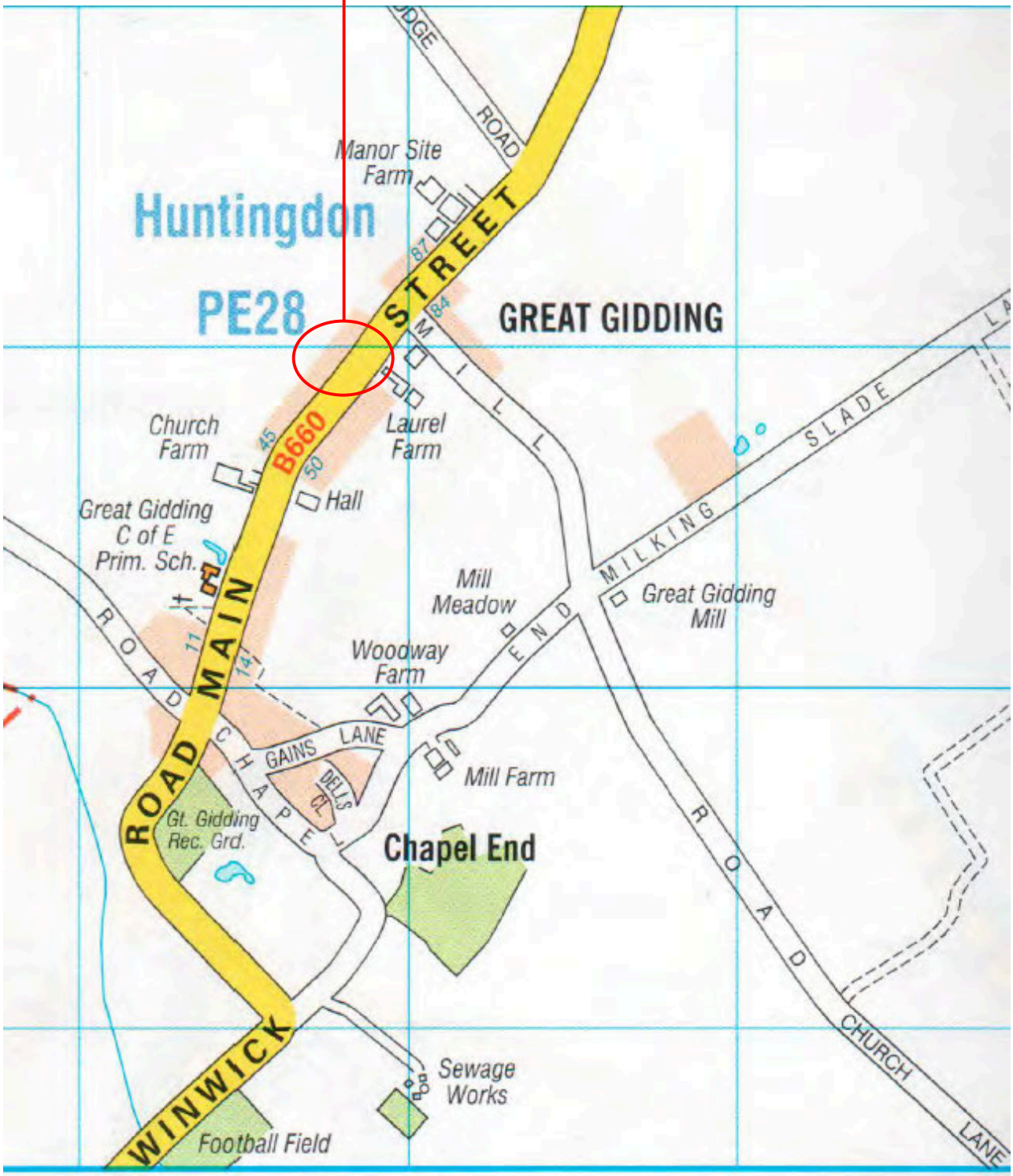
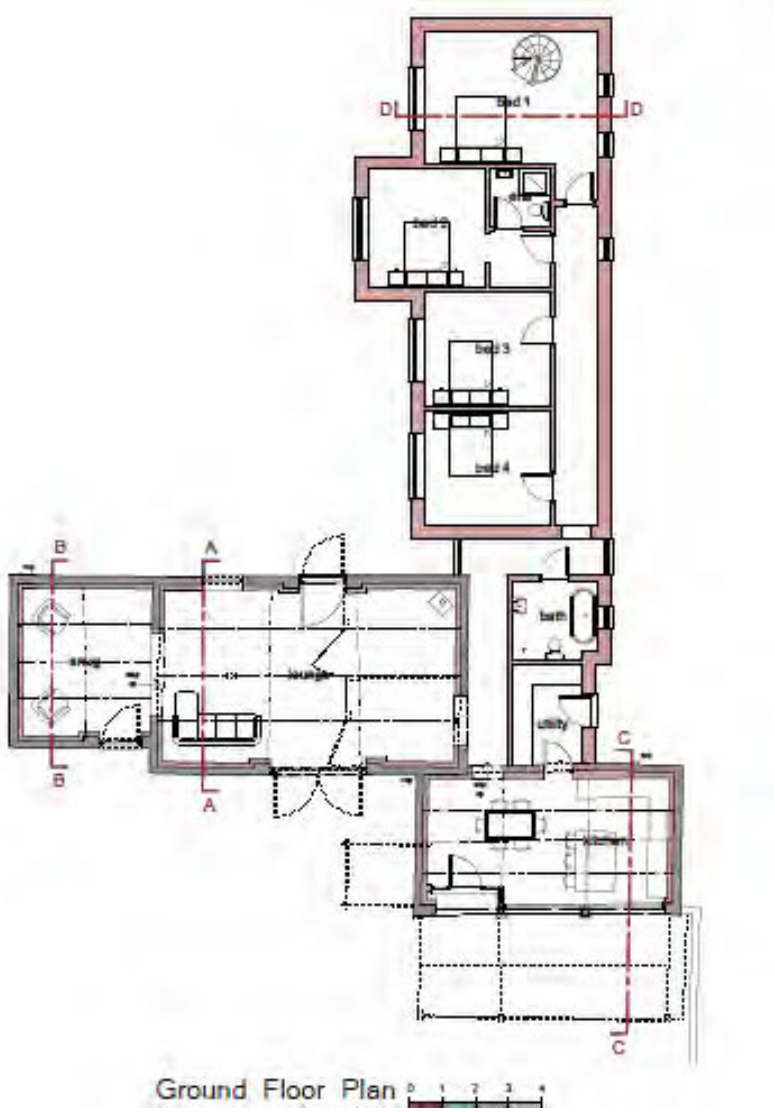
# FIGURES

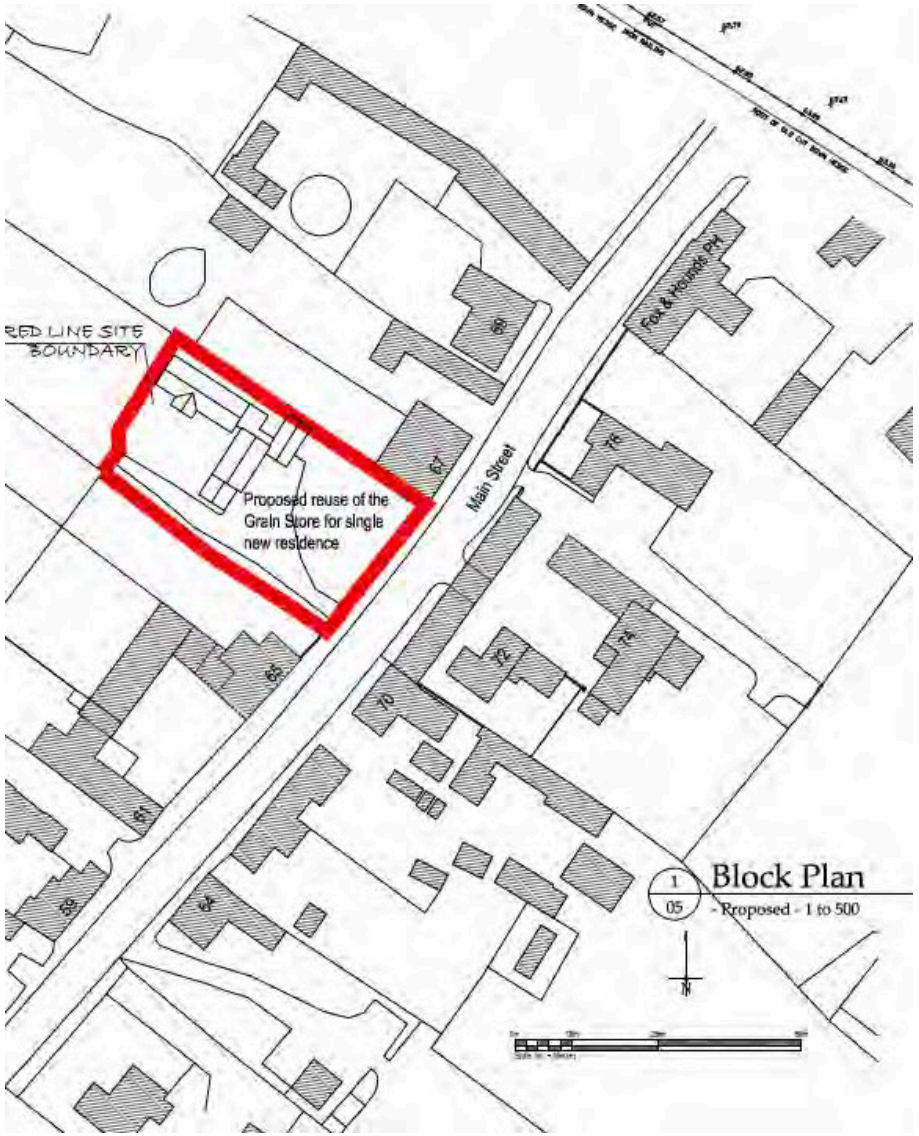
Approximate Site Location

N




| | | |
|---|---|---|
| **Figure 1** | Site Location Plan | **Goldfinch** Environmental Ltd |
| **Ref: 0980/1** | | |

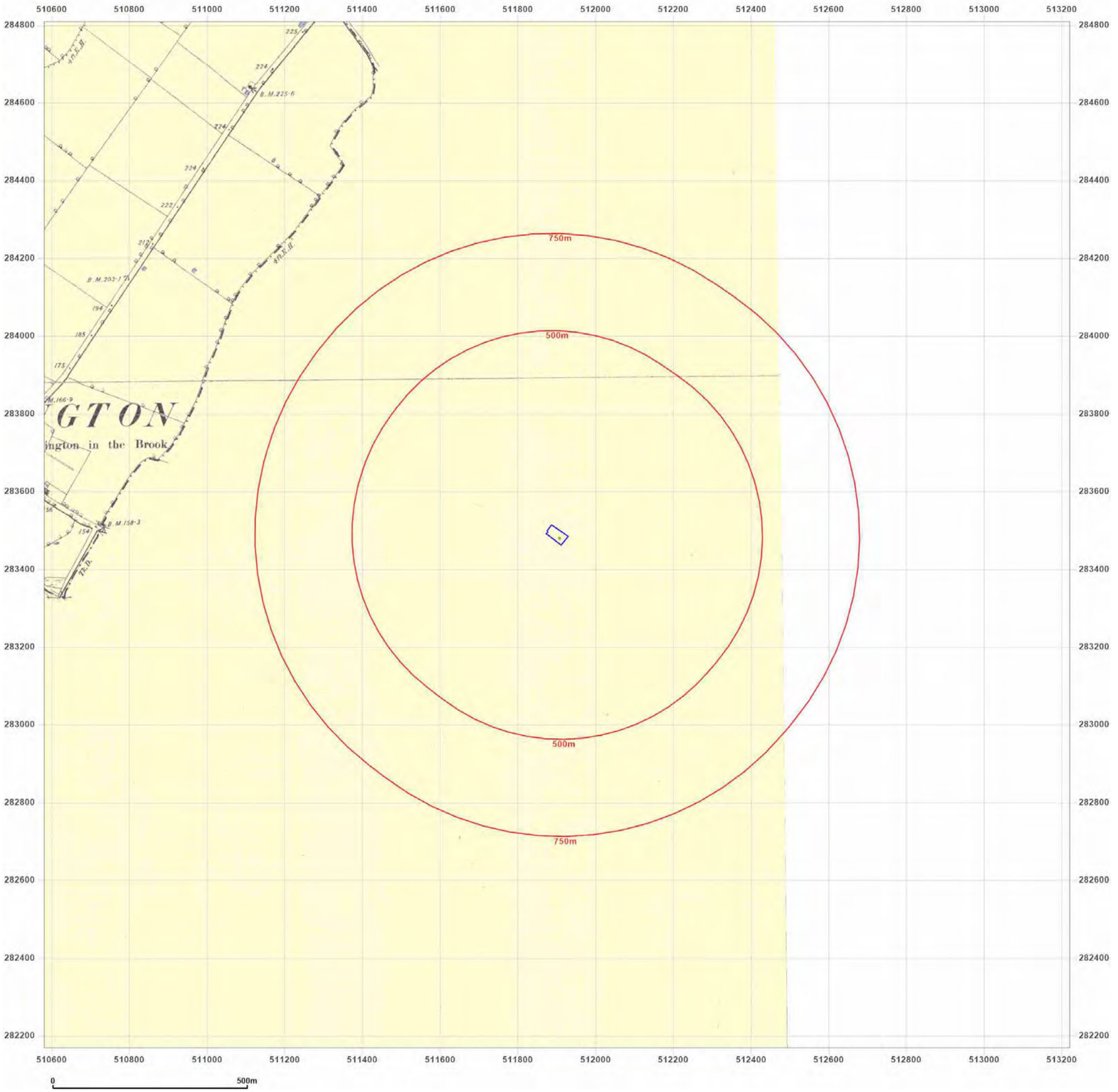



| | | |
|---|---|---|
| **Figure 2** | Proposed Layout Plan | **Goldfinch** Environmental Limited |
| **Ref. 0980/1** | | |

# APPENDIX 1

# 'Groundsure' Report




Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1885**
**Scale:** 1:10,560
**Printed at:** 1:10,560

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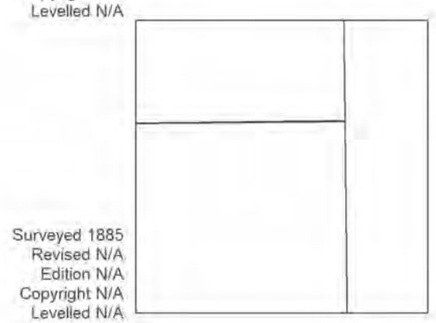


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W: www.groundsure.com

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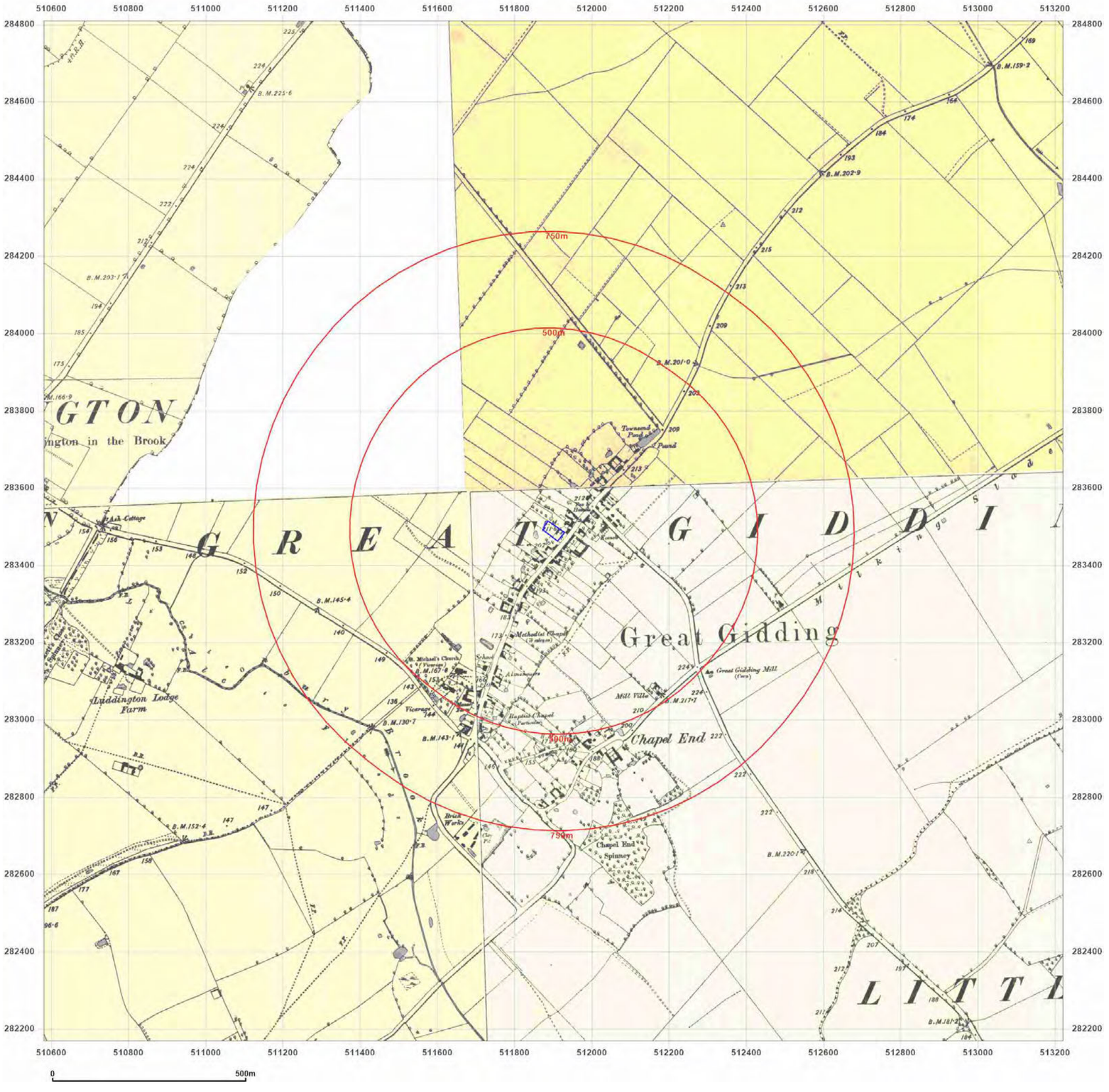
Production date: 18 November 2024

Map legend available at:
www.groundsure.com/sites/default/files/groundsure_legend.pdf




Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1885-1887**
**Scale:** 1:10,560
**Printed at:** 1:10,560

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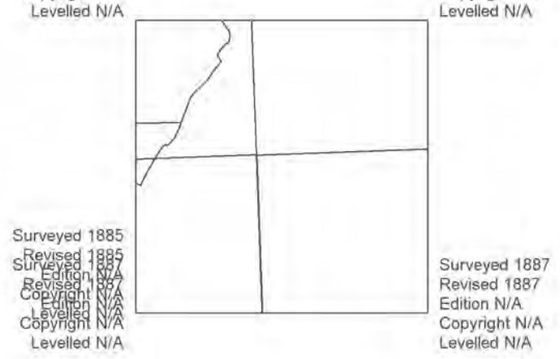


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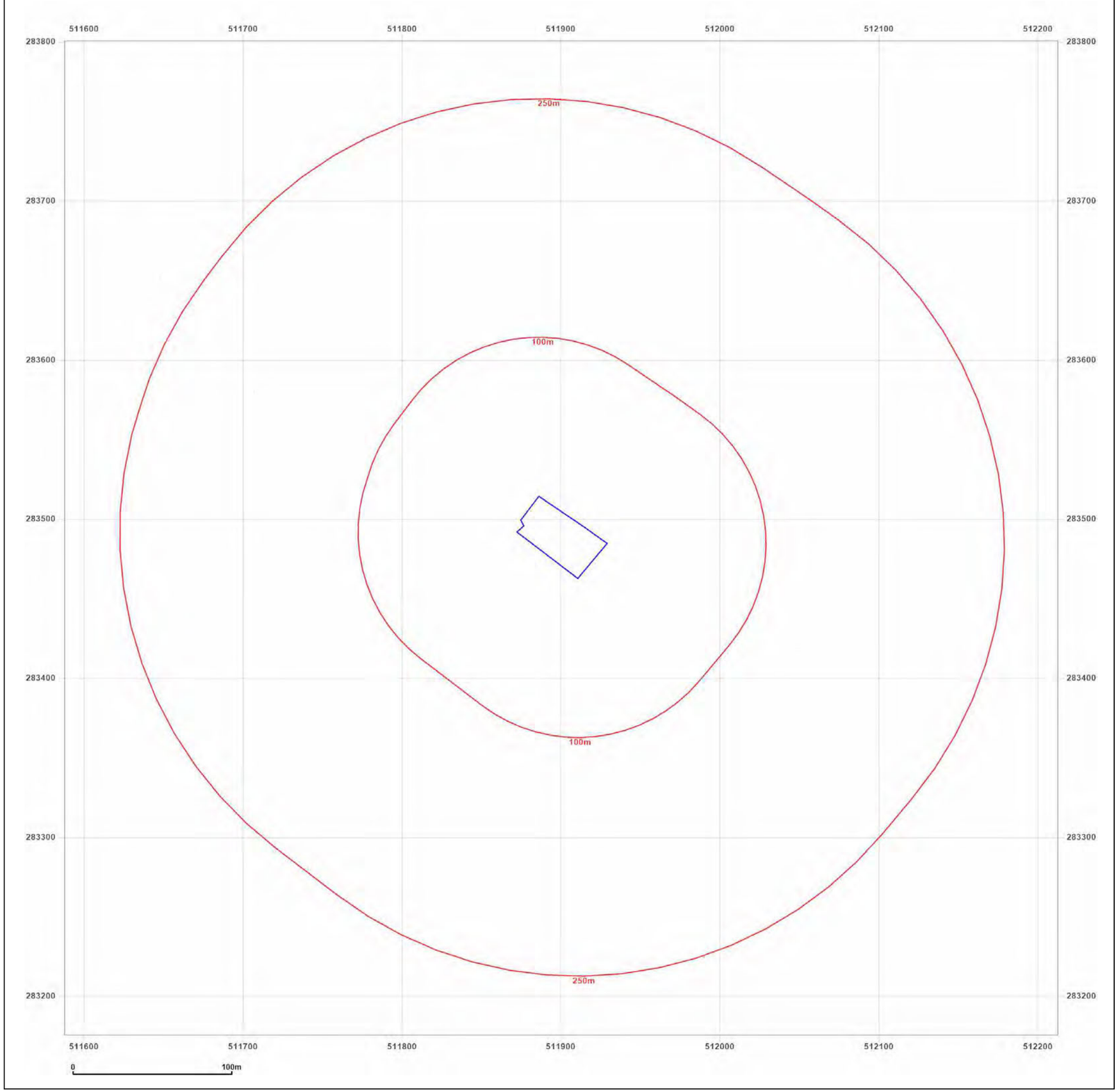


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

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

N
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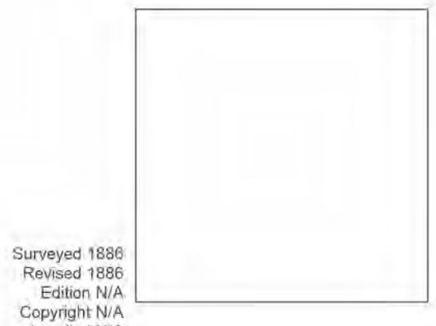


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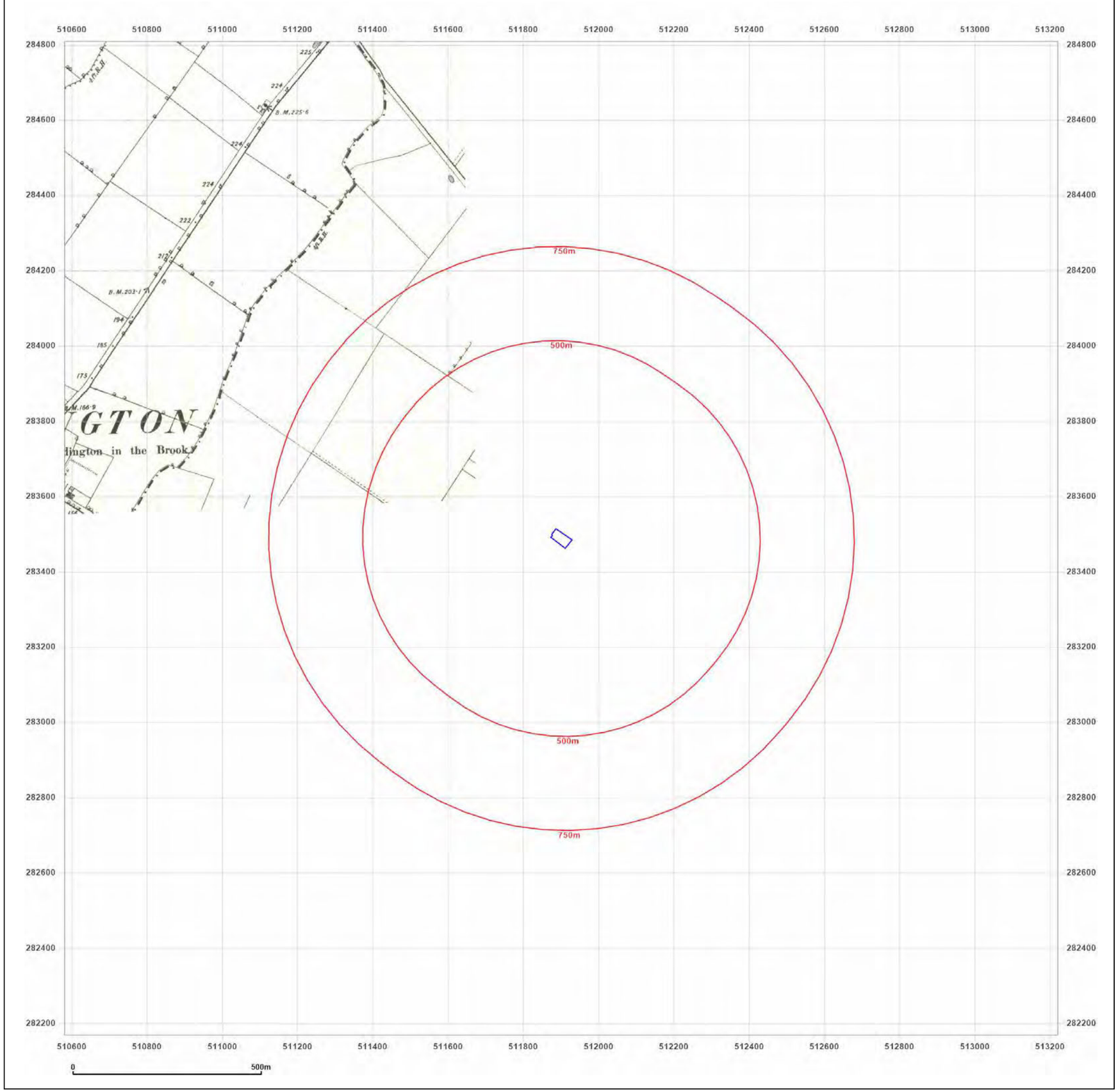



Groundsure INSIGHTS

**Site Details:**

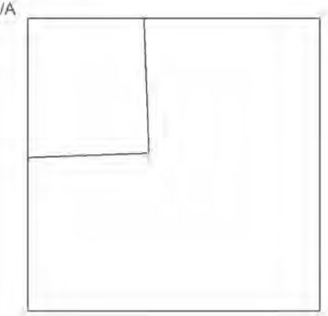
67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1887**
**Scale:** 1:10,560
**Printed at:** 1:10,560

N
W E
S

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



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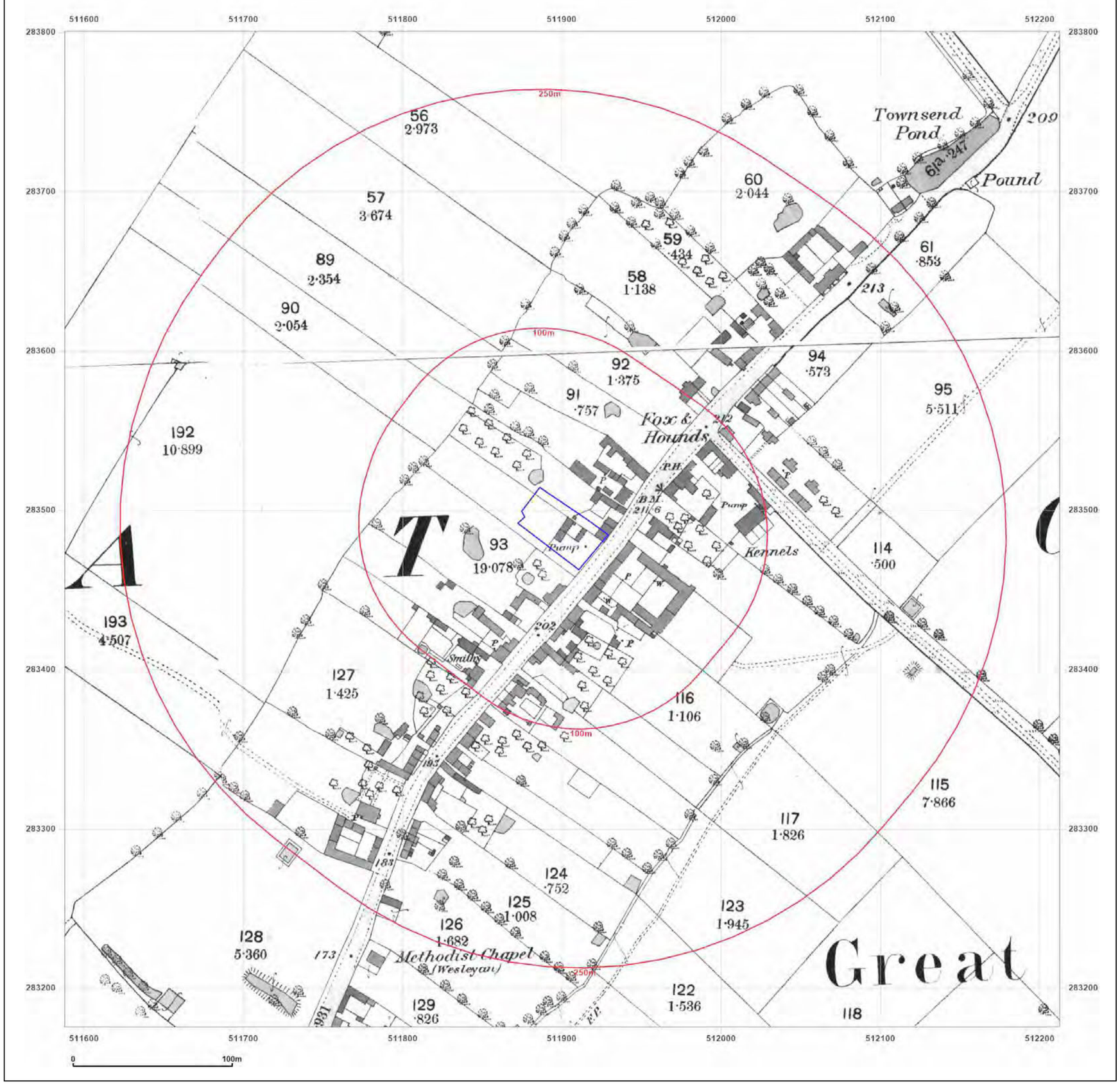


Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1889**
**Scale:** 1:2,500
**Printed at:** 1:2,500

N
W E
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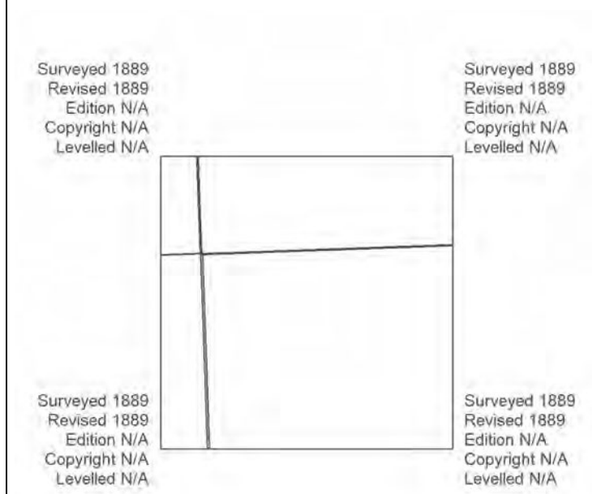


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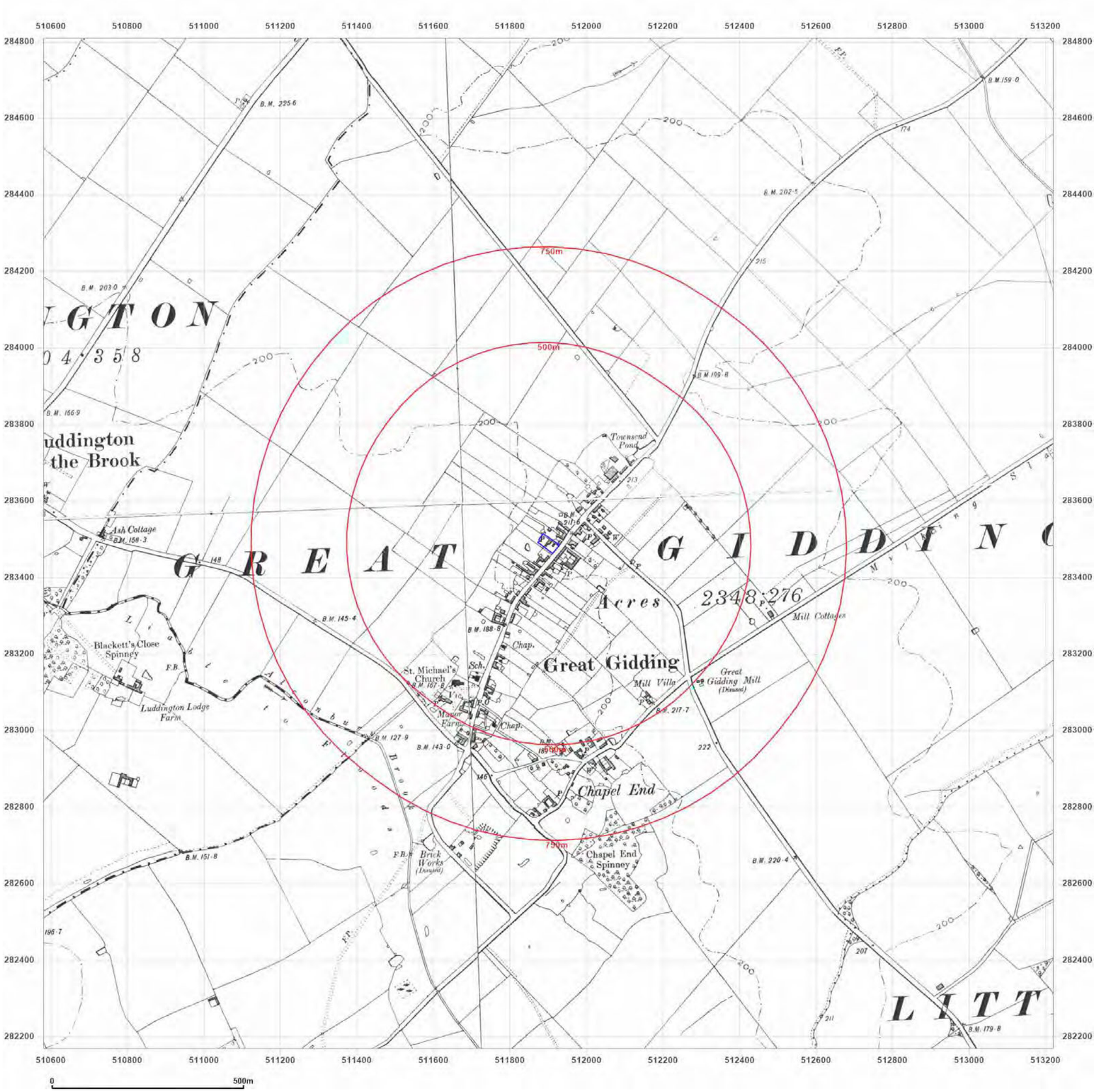


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
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**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1899-1900**
**Scale:** 1:10,560
**Printed at:** 1:10,560

N
W E
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Surveyed 1887
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1887
Revised 1900
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1887
Revised 1899
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1887
Revised 1900
Edition N/A
Copyright N/A
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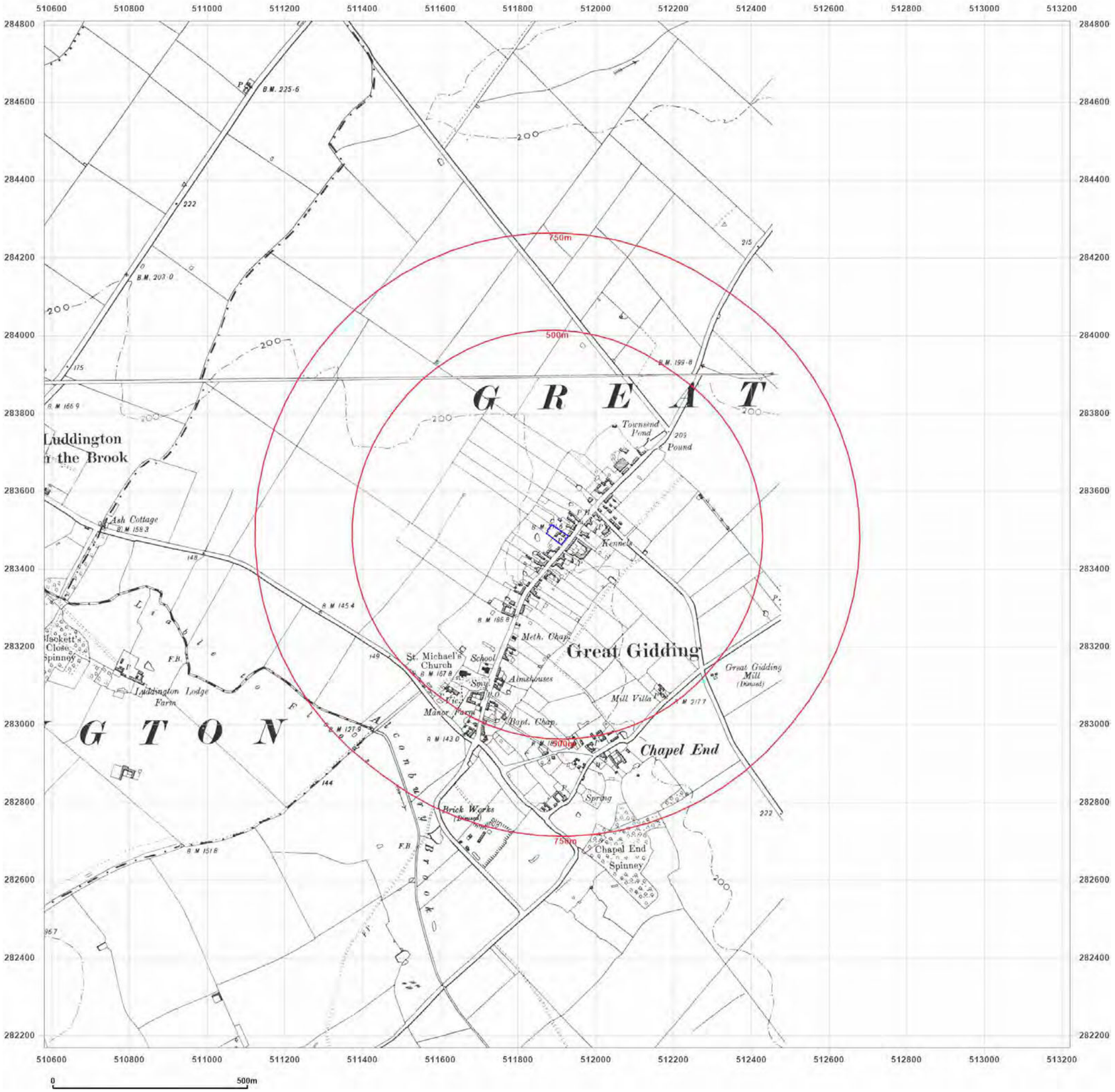


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series

**Map date:** **1899-1901**

**Scale:** 1:10,560

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

N
W E
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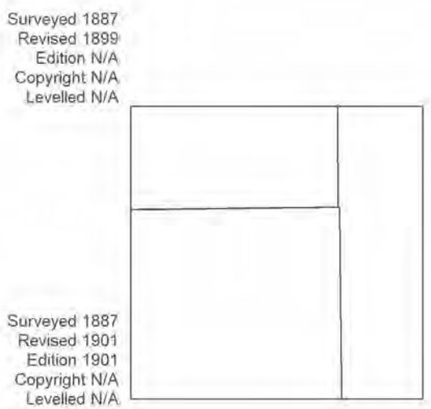


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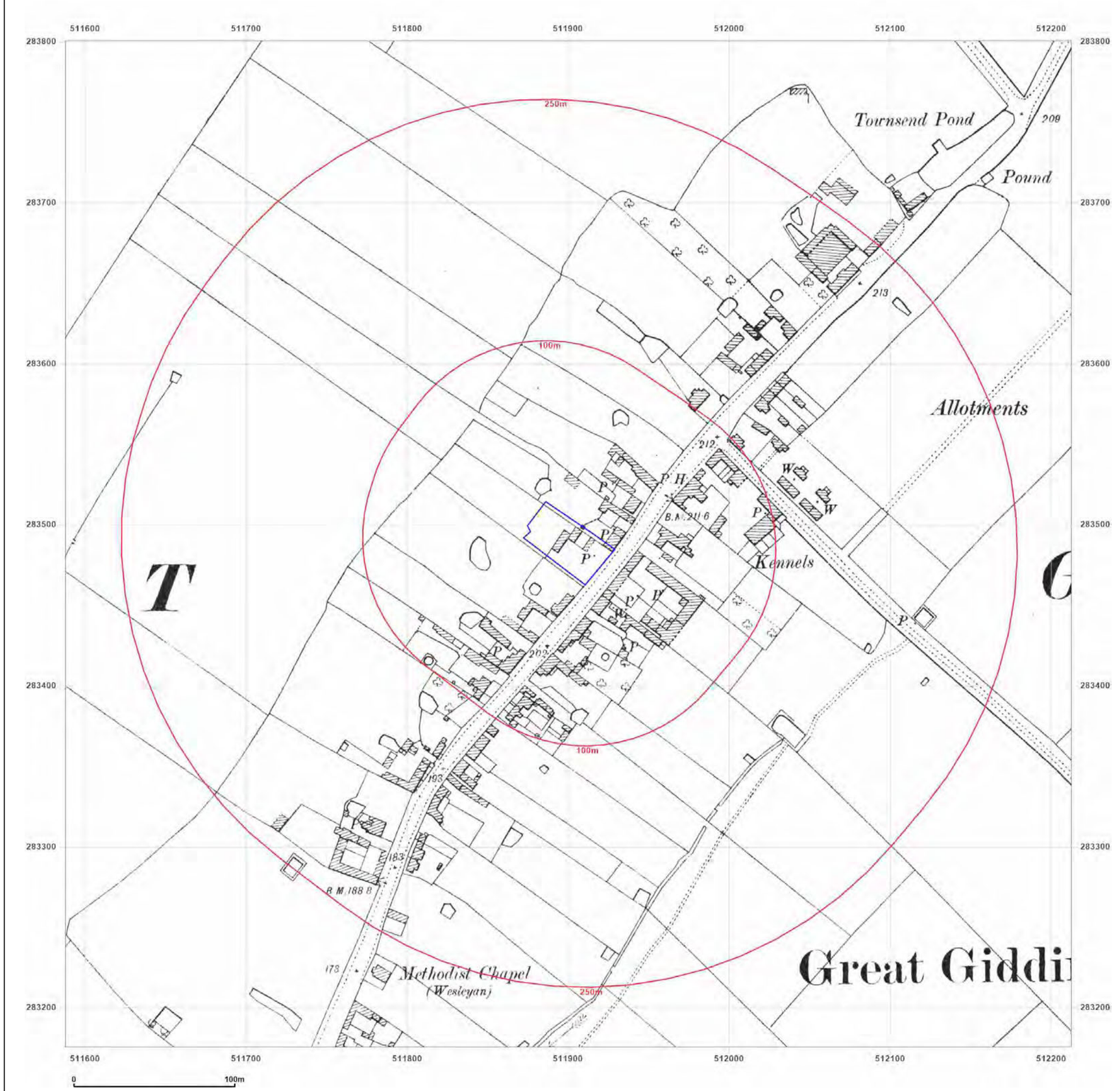


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**Site Details:**

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**Grid Ref:** 511900, 283488

**Map Name:** County Series

**Map date:** **1900**

**Scale:** 1:2,500

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

N
W E
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Surveyed 1900
Revised 1900
Edition N/A
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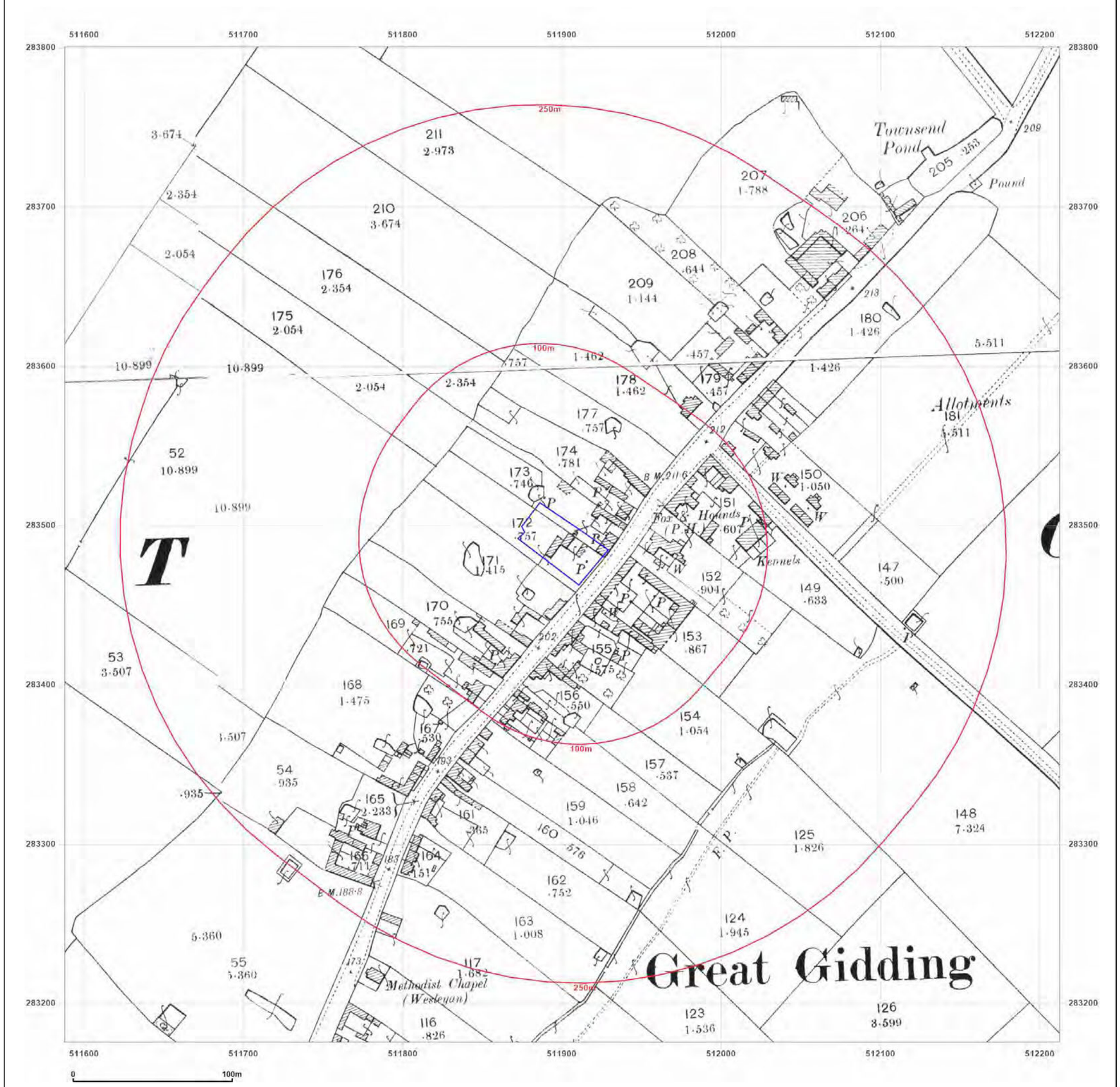


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1901**
**Scale:** 1:2,500
**Printed at:** 1:2,500

N
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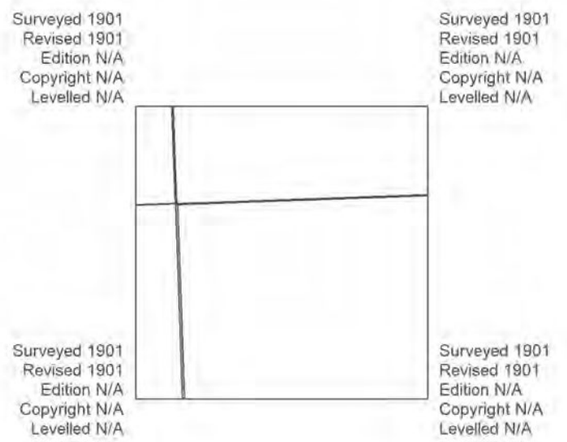


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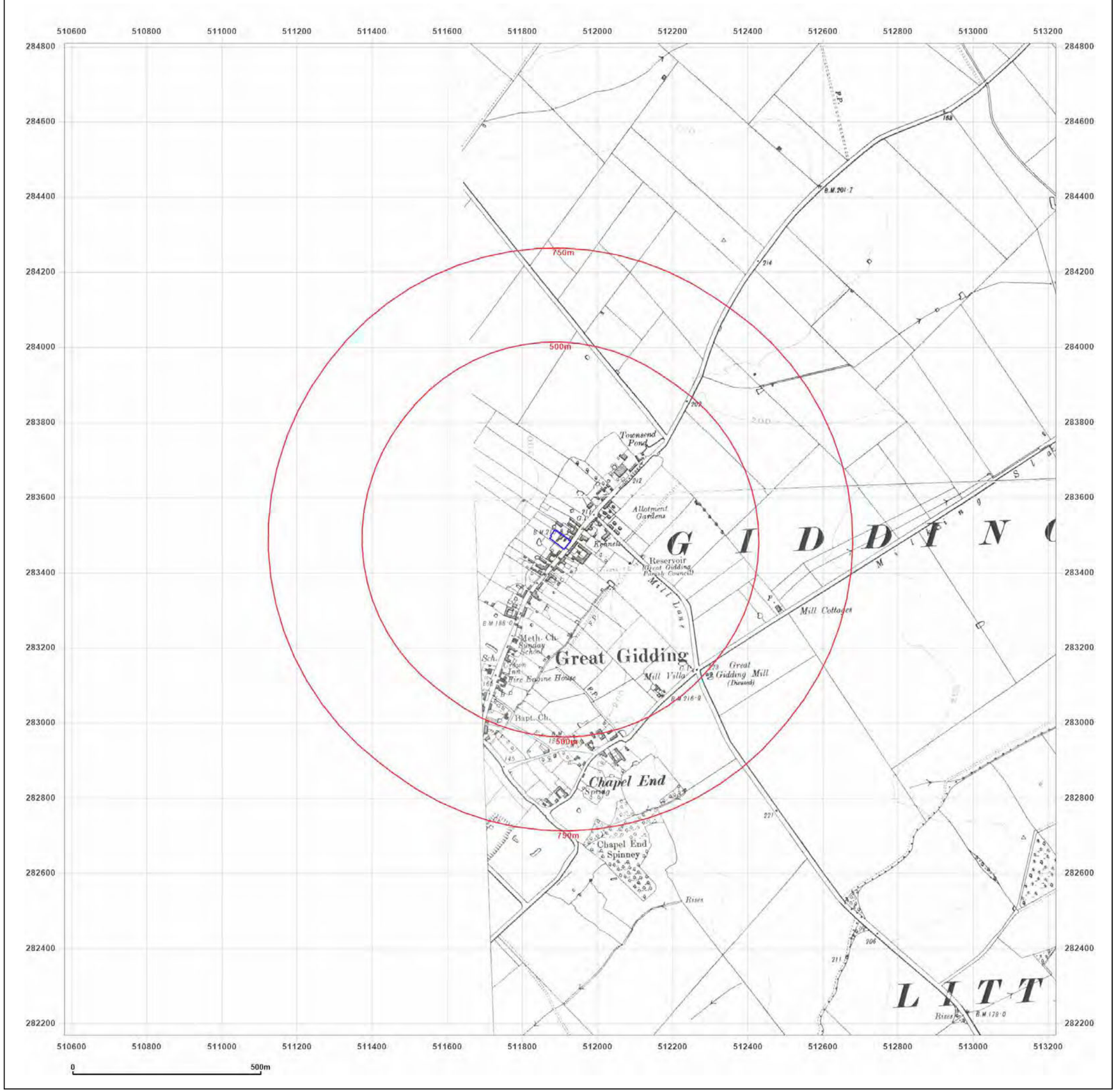


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**Site Details:**

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**Grid Ref:** 511900, 283488

**Map Name:** County Series
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**Scale:** 1:10,560
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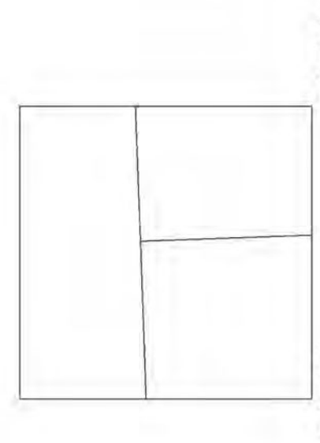


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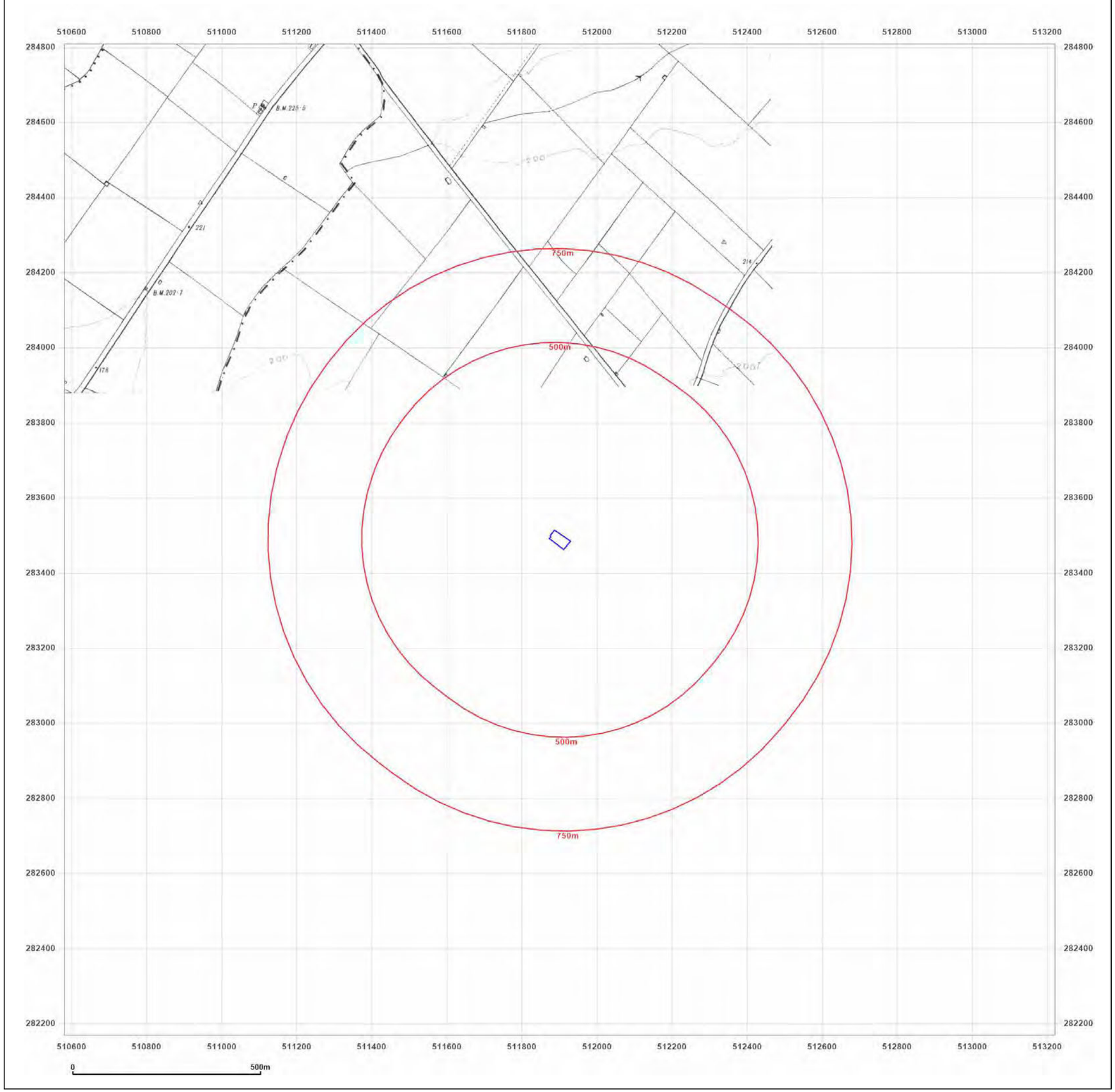


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**Site Details:**

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**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1924**
**Scale:** 1:10,560
**Printed at:** 1:10,560

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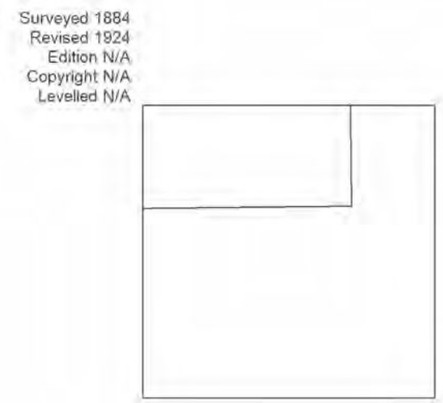


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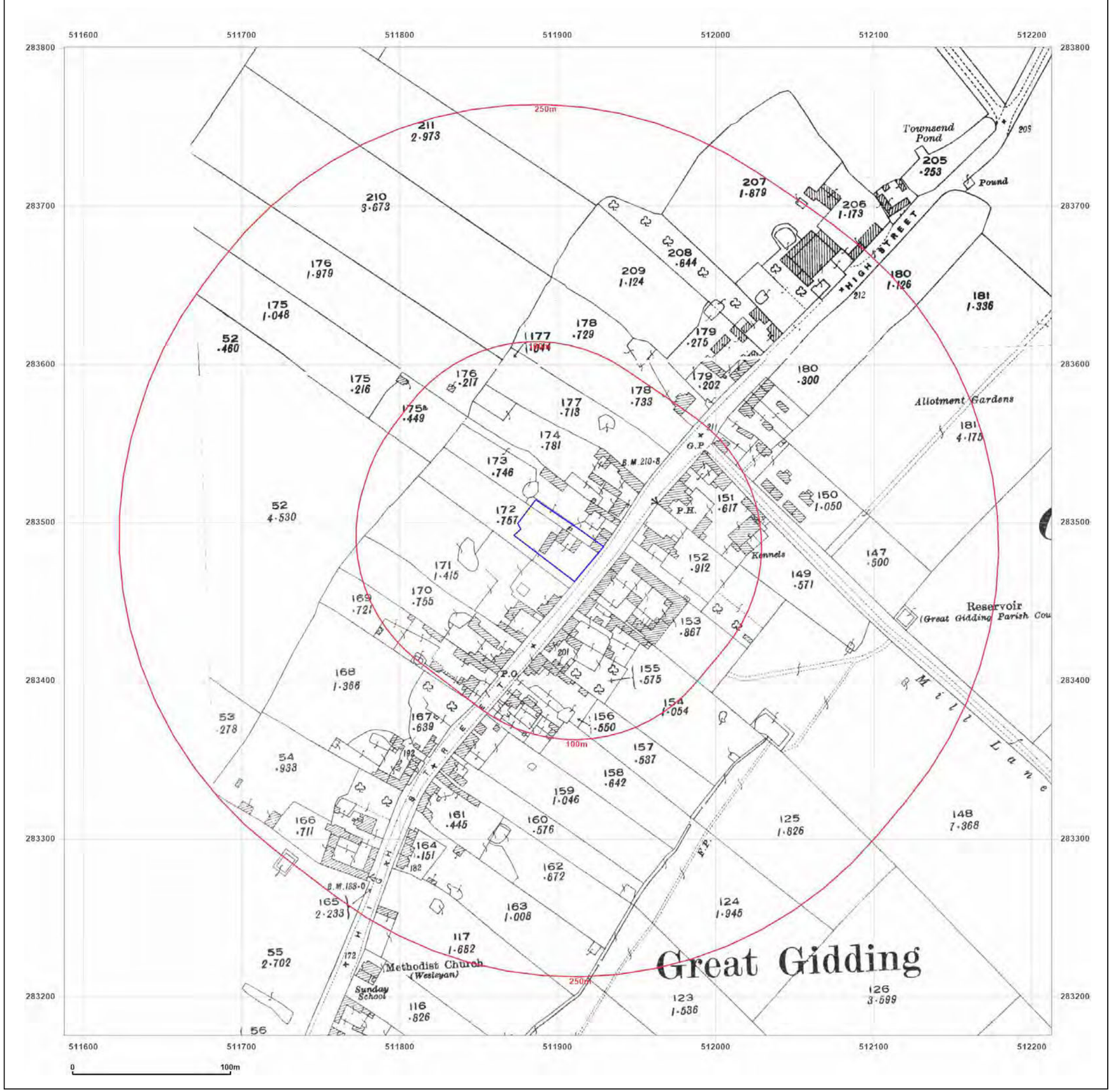


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**Site Details:**

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**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1926**
**Scale:** 1:2,500
**Printed at:** 1:2,500

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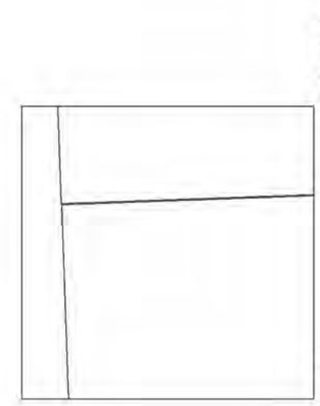


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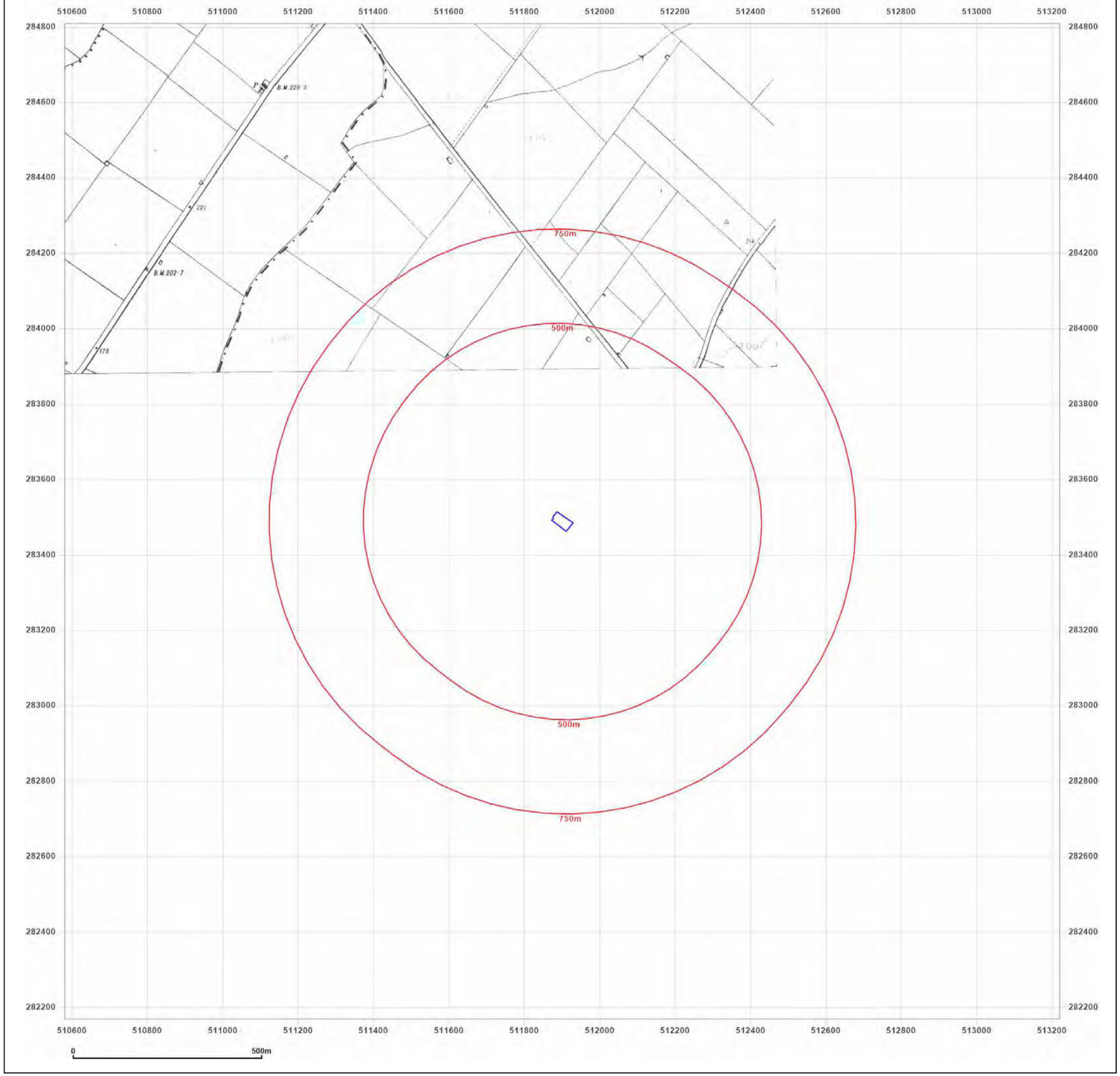


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1927**
**Scale:** 1:10,560
**Printed at:** 1:10,560

N
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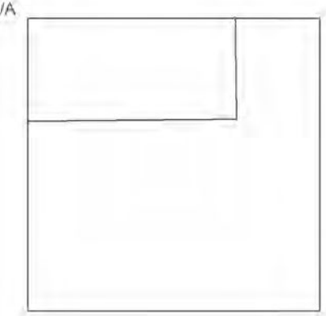
Surveyed 1884
Revised 1927
Edition N/A
Copyright N/A
Levelled N/A



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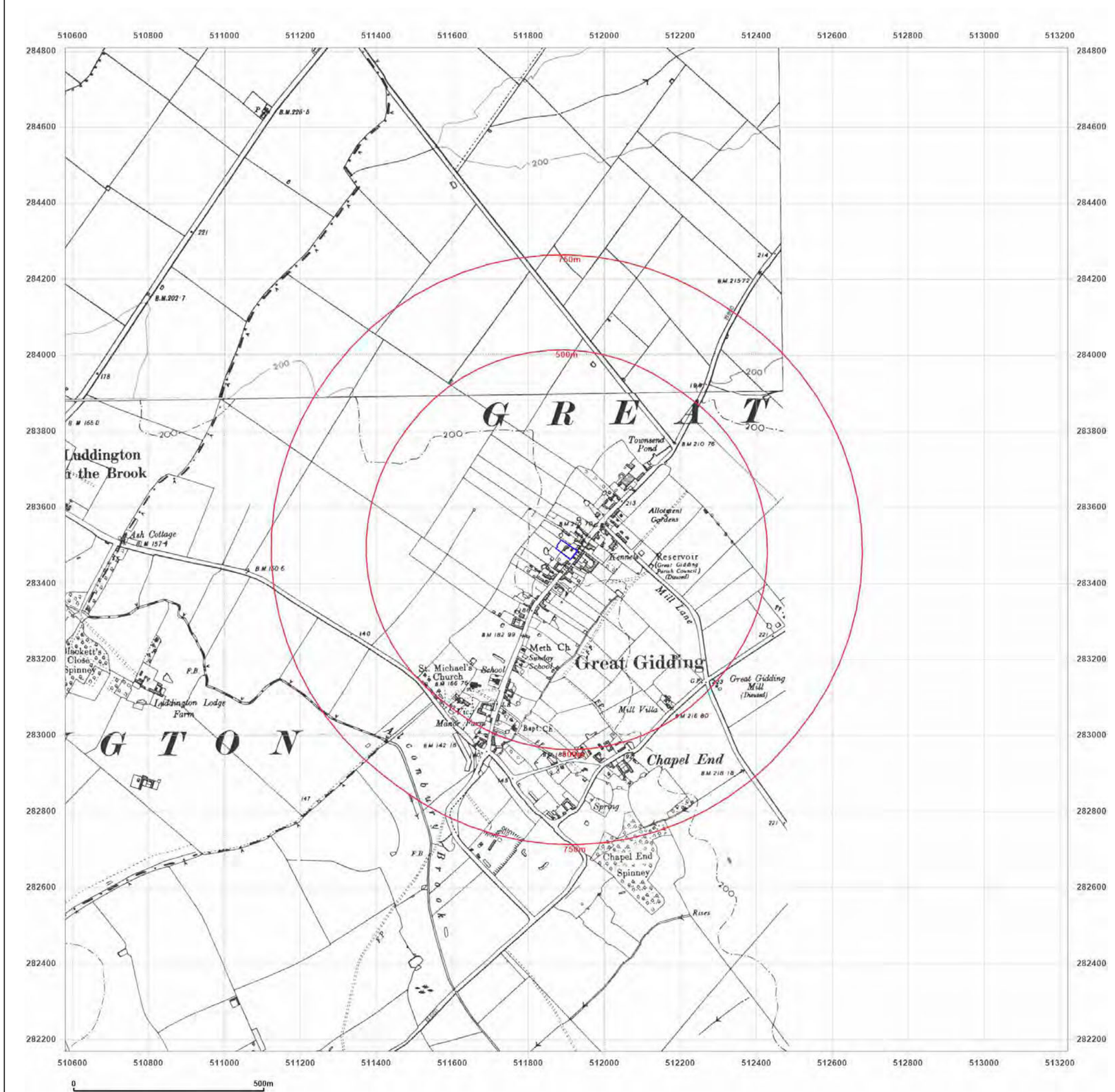


Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series

**Map date:** **1950**

**Scale:** 1:10,560

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

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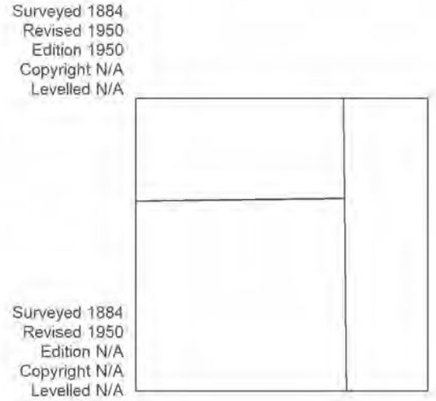


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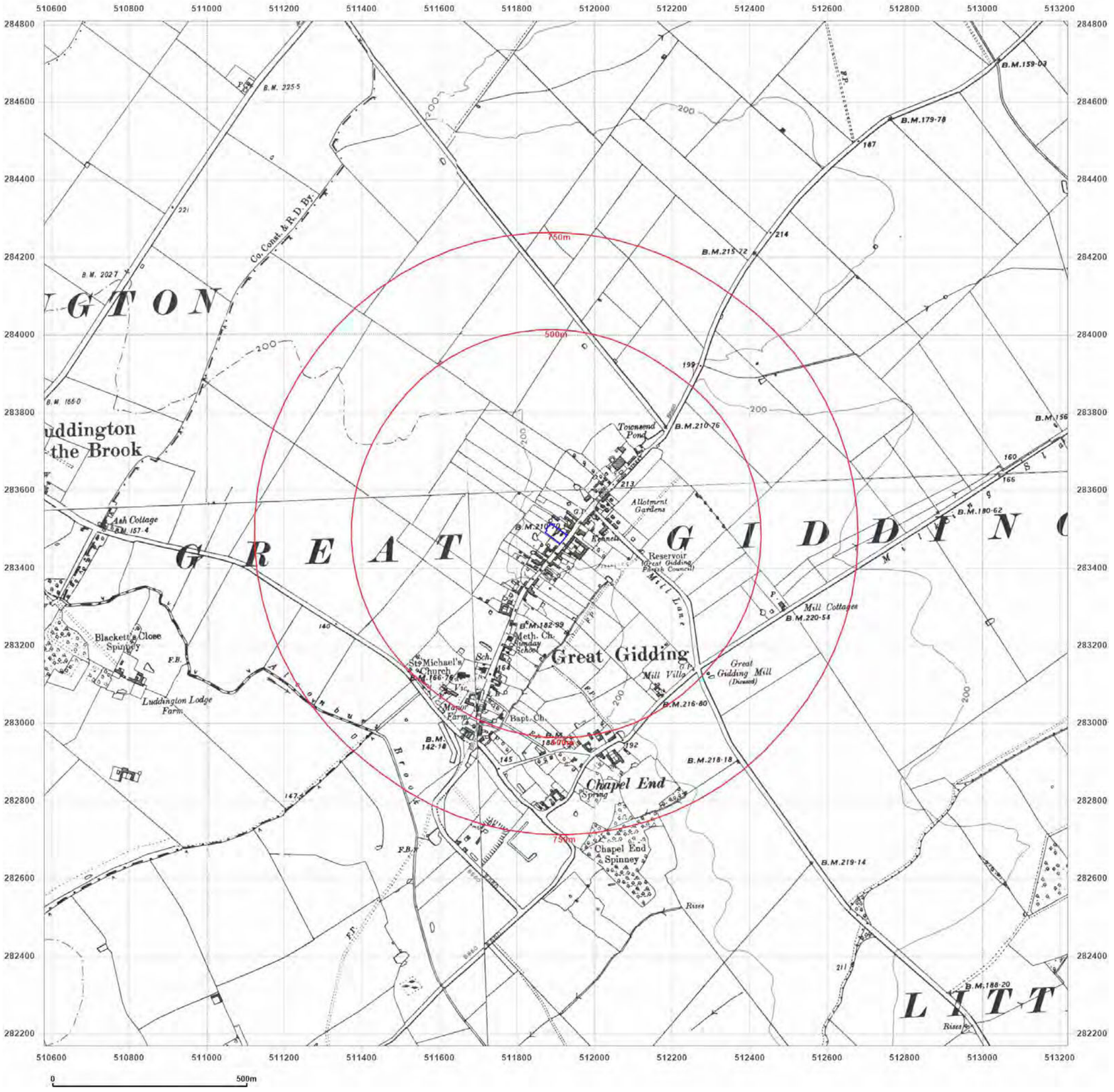


Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** County Series
**Map date:** **1950**
**Scale:** 1:10,560
**Printed at:** 1:10,560

N
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Surveyed 1887
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1887
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1887
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

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Revised 1950
Edition N/A
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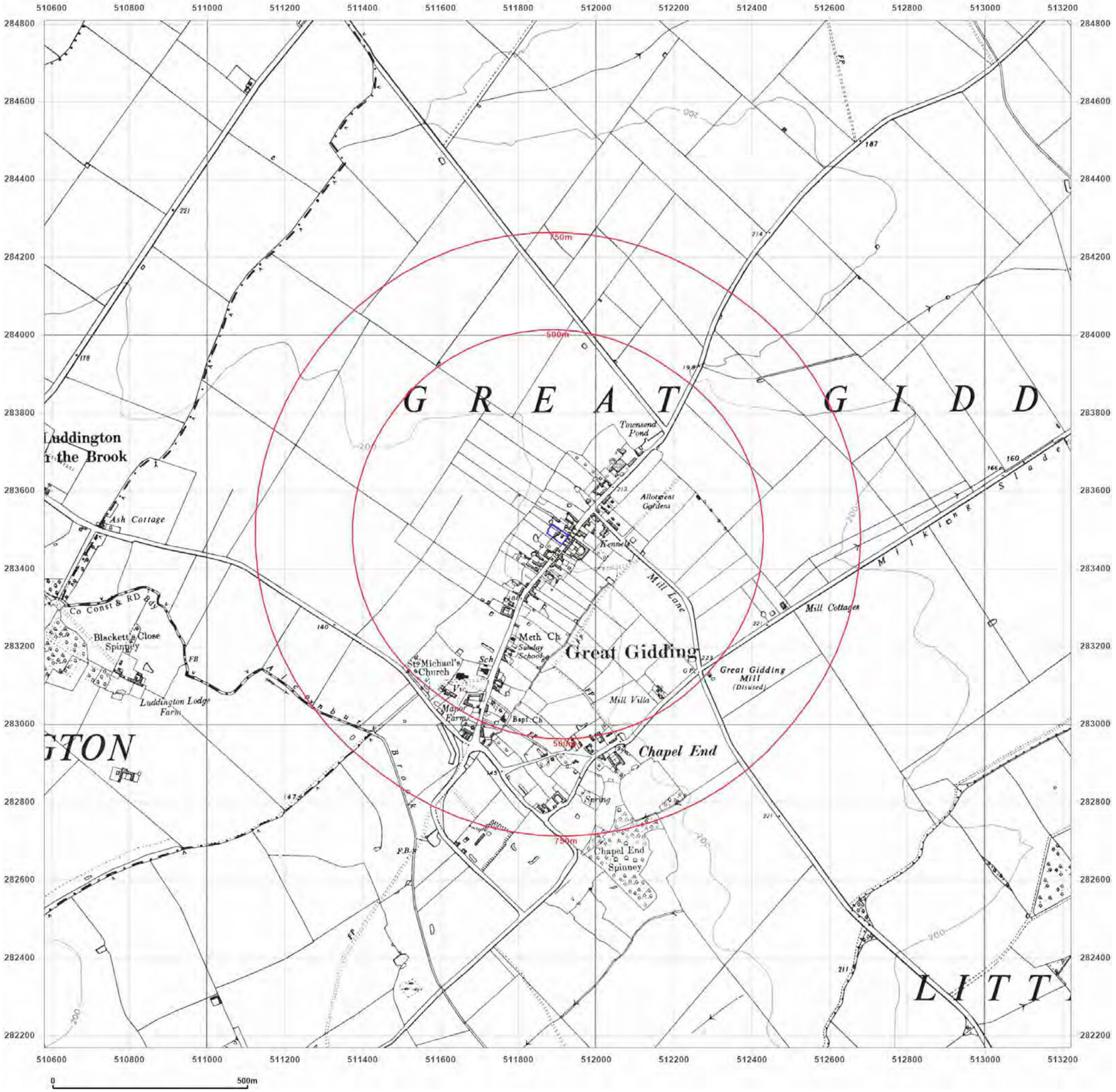


Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

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**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** Provisional
**Map date:** **1950**
**Scale:** 1:10,560
**Printed at:** 1:10,560

N
W E
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Surveyed 1950
Revised 1950
Edition N/A
Copyright N/A
Levelled N/A

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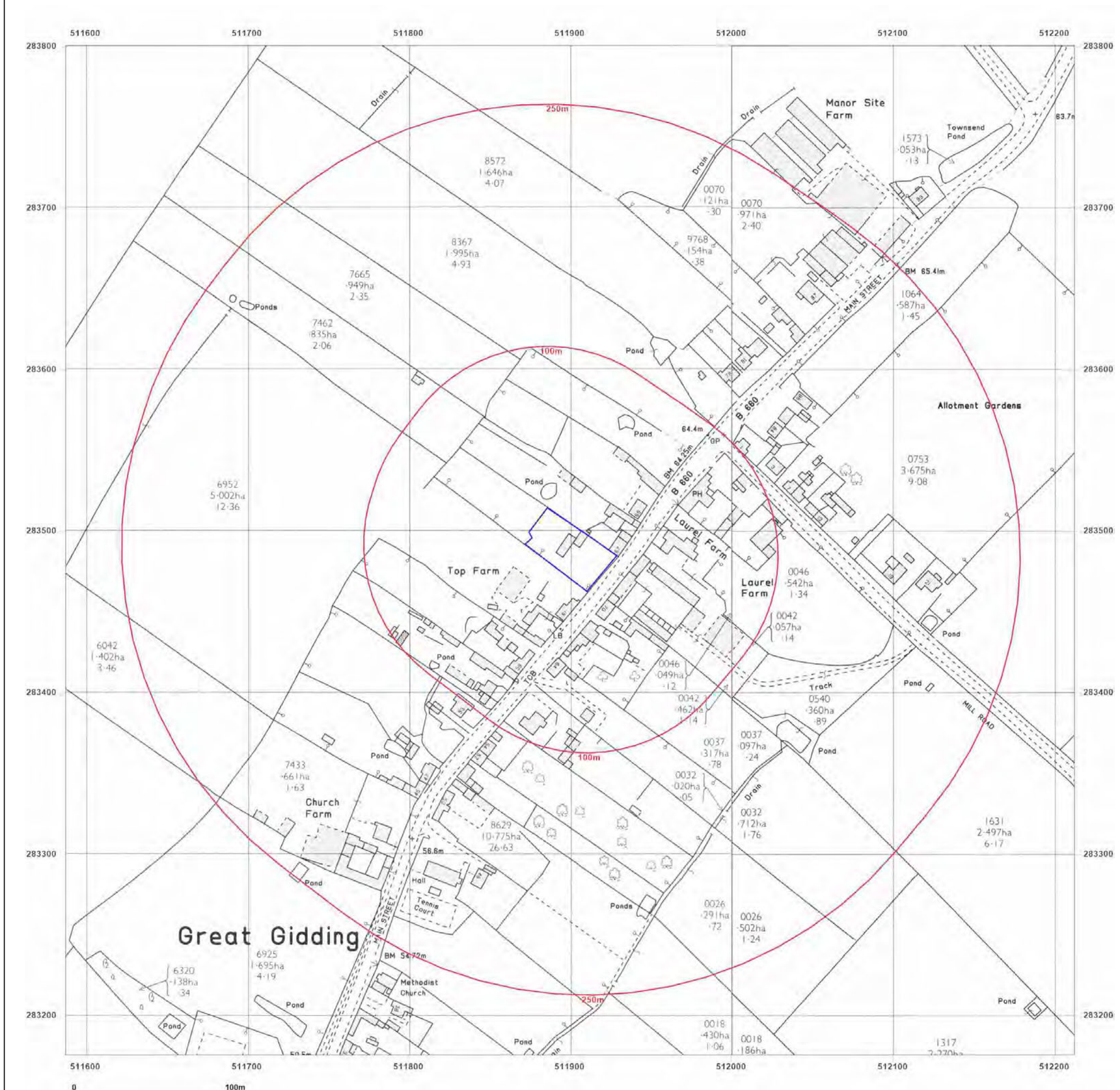


Groundsure INSIGHTS

**Site Details:**

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**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** National Grid

**Map date:** **1976-1977**

**Scale:** 1:2,500

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

N
W E
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Surveyed N/A
Revised 1975
Edition N/A
Copyright 1977
Levelled 1966

Surveyed N/A
Revised 1975
Edition N/A
Copyright 1976
Levelled 1966

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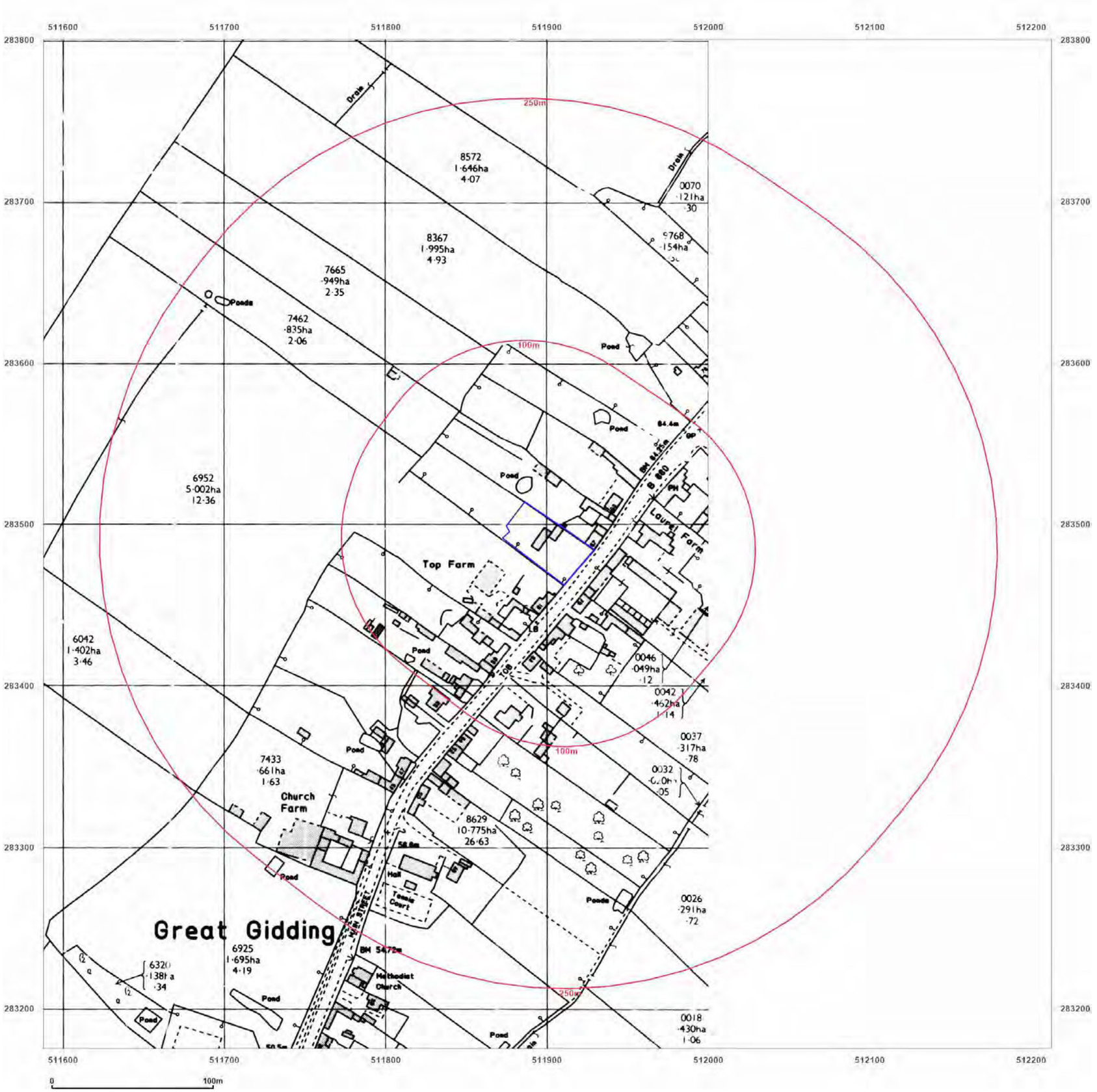


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** National Grid

**Map date:** **1977**

**Scale:** 1:2,500

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

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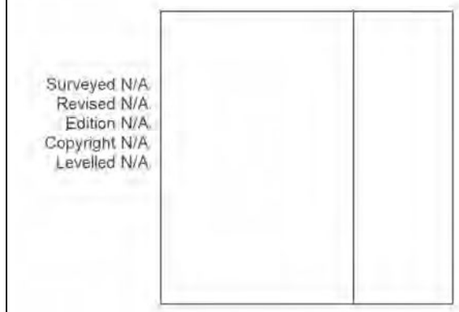
Surveyed N/A
Revised N/A
Edition N/A
Copyright N/A
Levelled N/A



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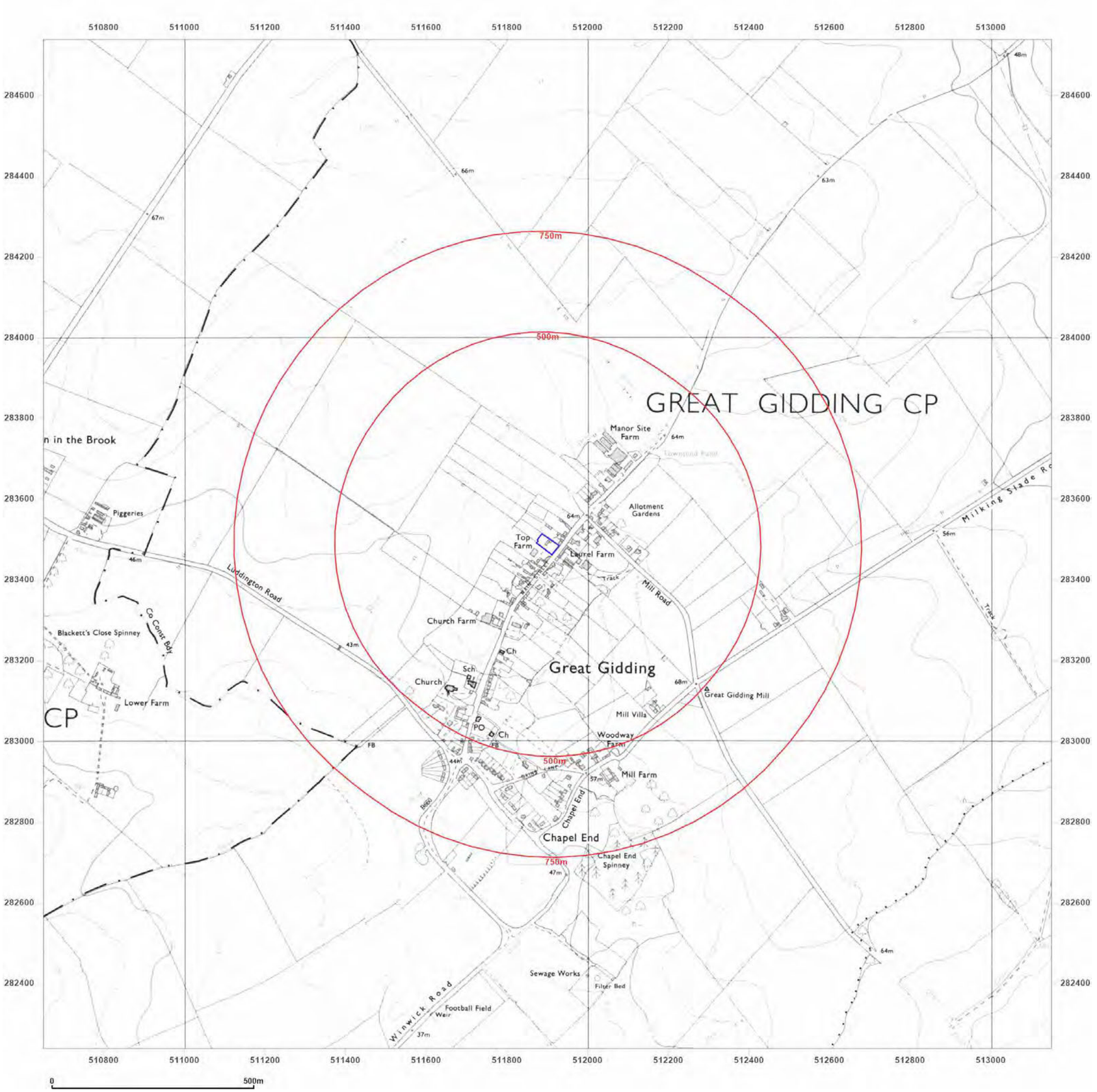


Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** National Grid
**Map date:** **1981**
**Scale:** 1:10,000
**Printed at:** 1:10,000

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Surveyed 1975
Revised 1981
Edition N/A
Copyright 1981
Levelled 1975

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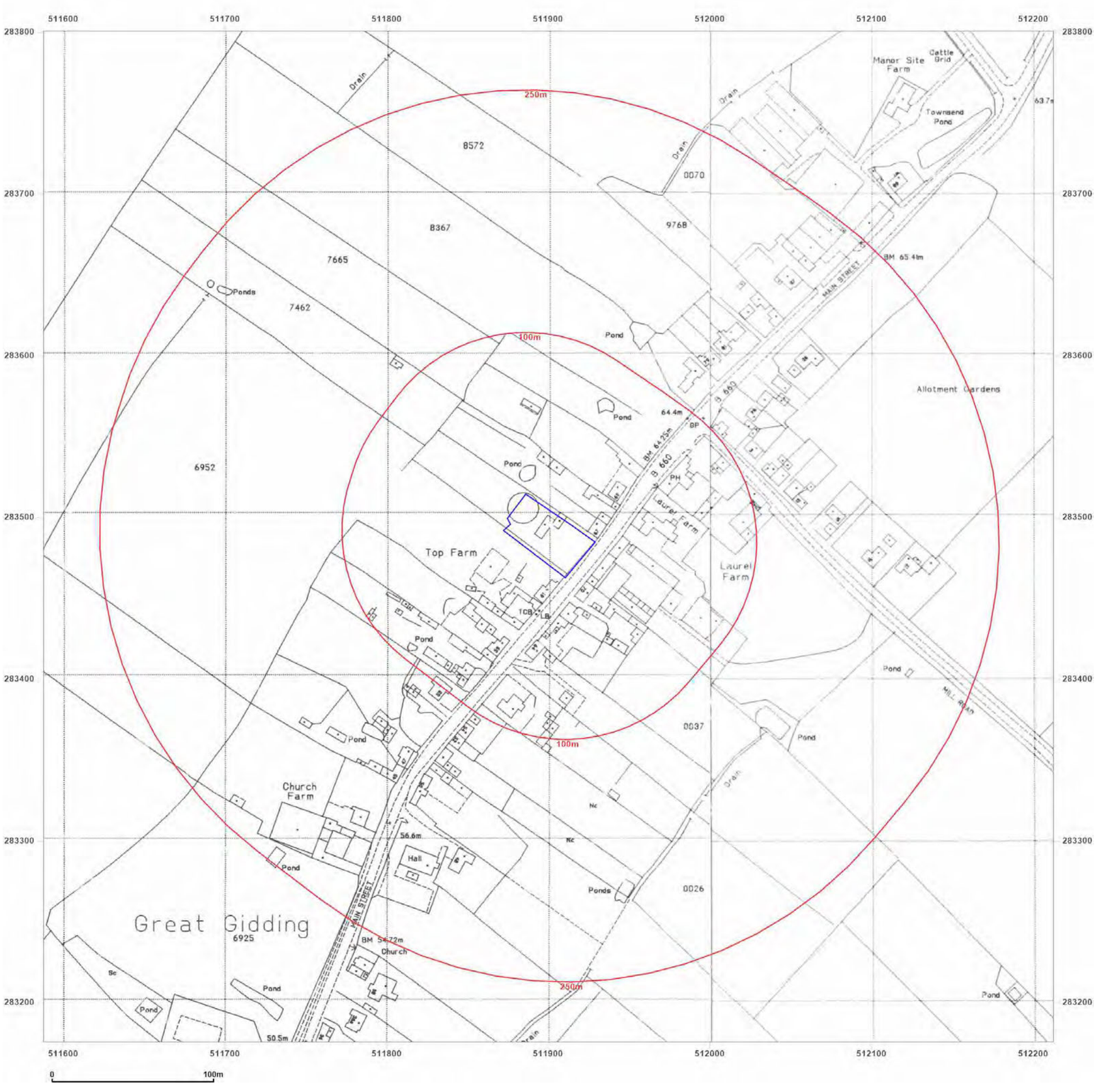


**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** National Grid

**Map date:** **1994**

**Scale:** 1:2,500

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

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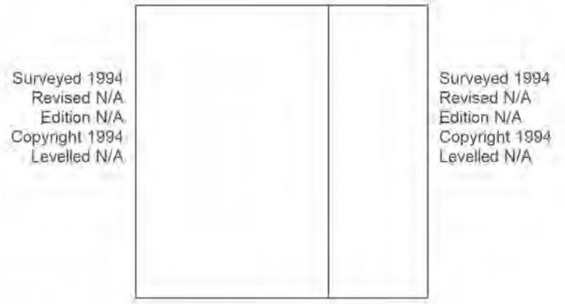


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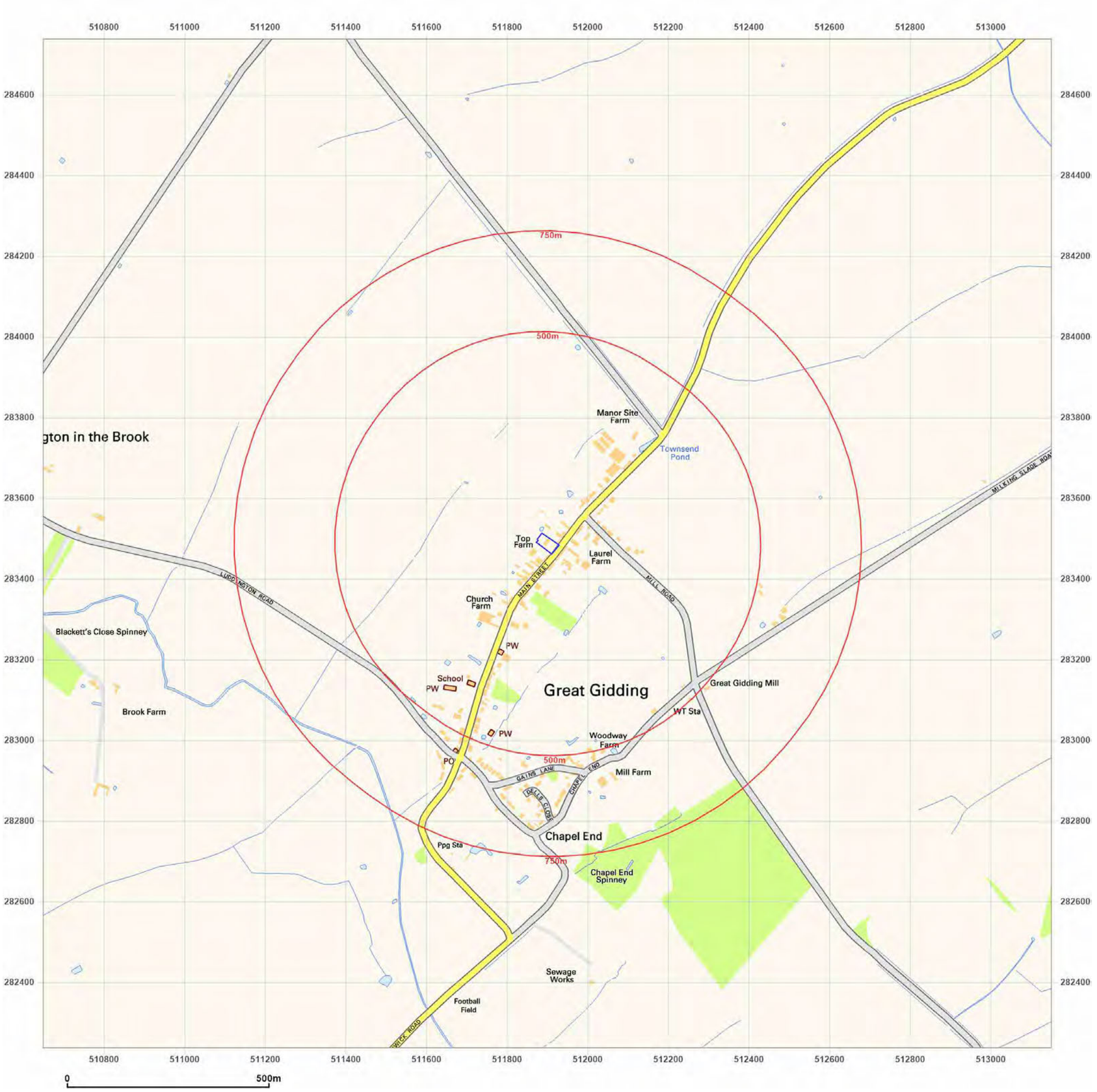


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**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

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

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Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

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

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Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

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

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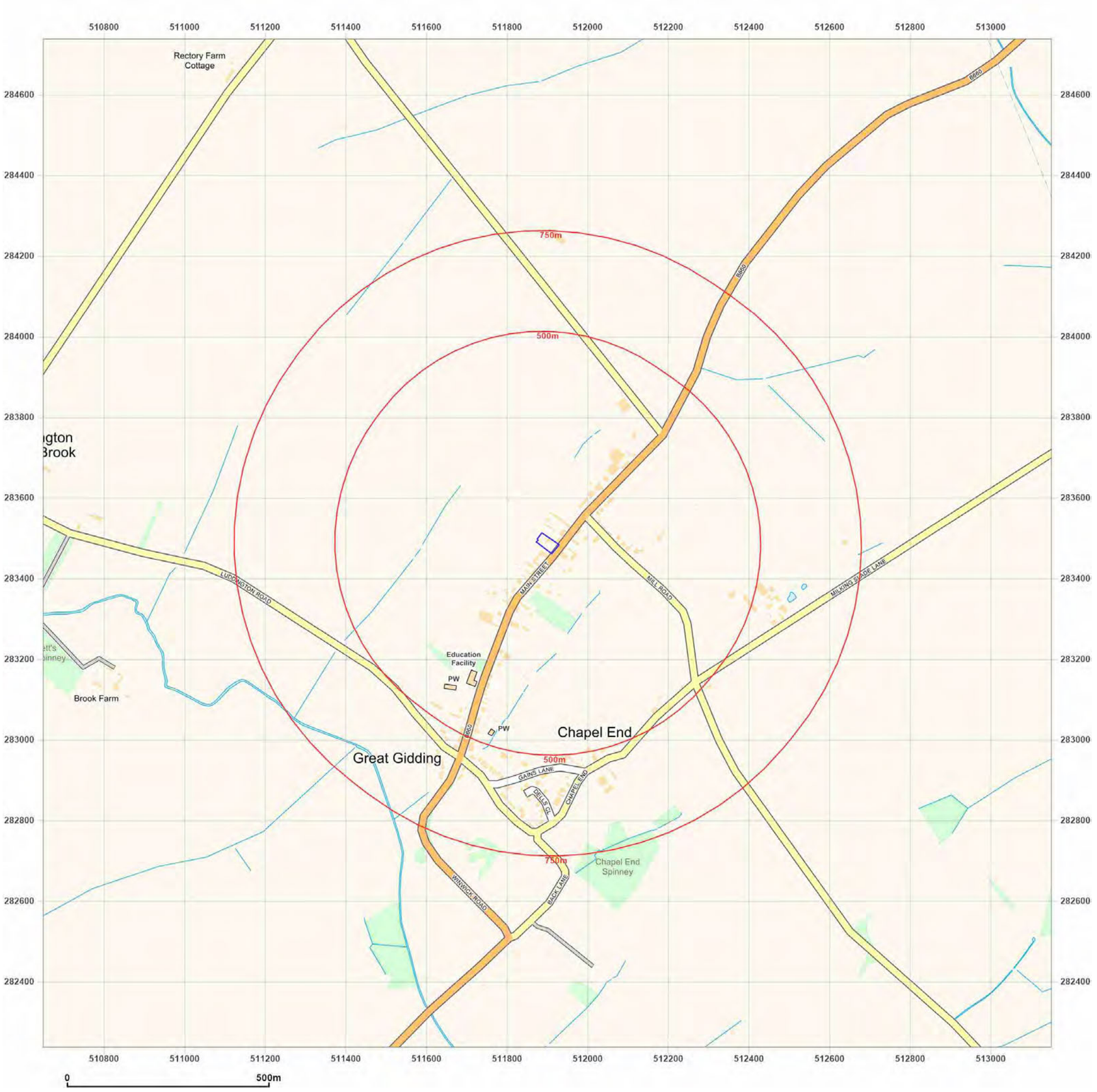


Groundsure INSIGHTS

**Site Details:**

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

**Client Ref:** 0980-ds
**Report Ref:** GS-K3V-FOW-DI6-ZVZ
**Grid Ref:** 511900, 283488

**Map Name:** National Grid
**Map date:** **2024**
**Scale:** 1:10,000
**Printed at:** 1:10,000

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Groundsure LOCATION INTELLIGENCE

# Enviro+Geo Insight

67, MAIN STREET, GREAT GIDDING, CAMBRIDGESHIRE, PE28 5NU

## Order Details

**Date:** 18/11/2024

**Your ref:** 0980-ds

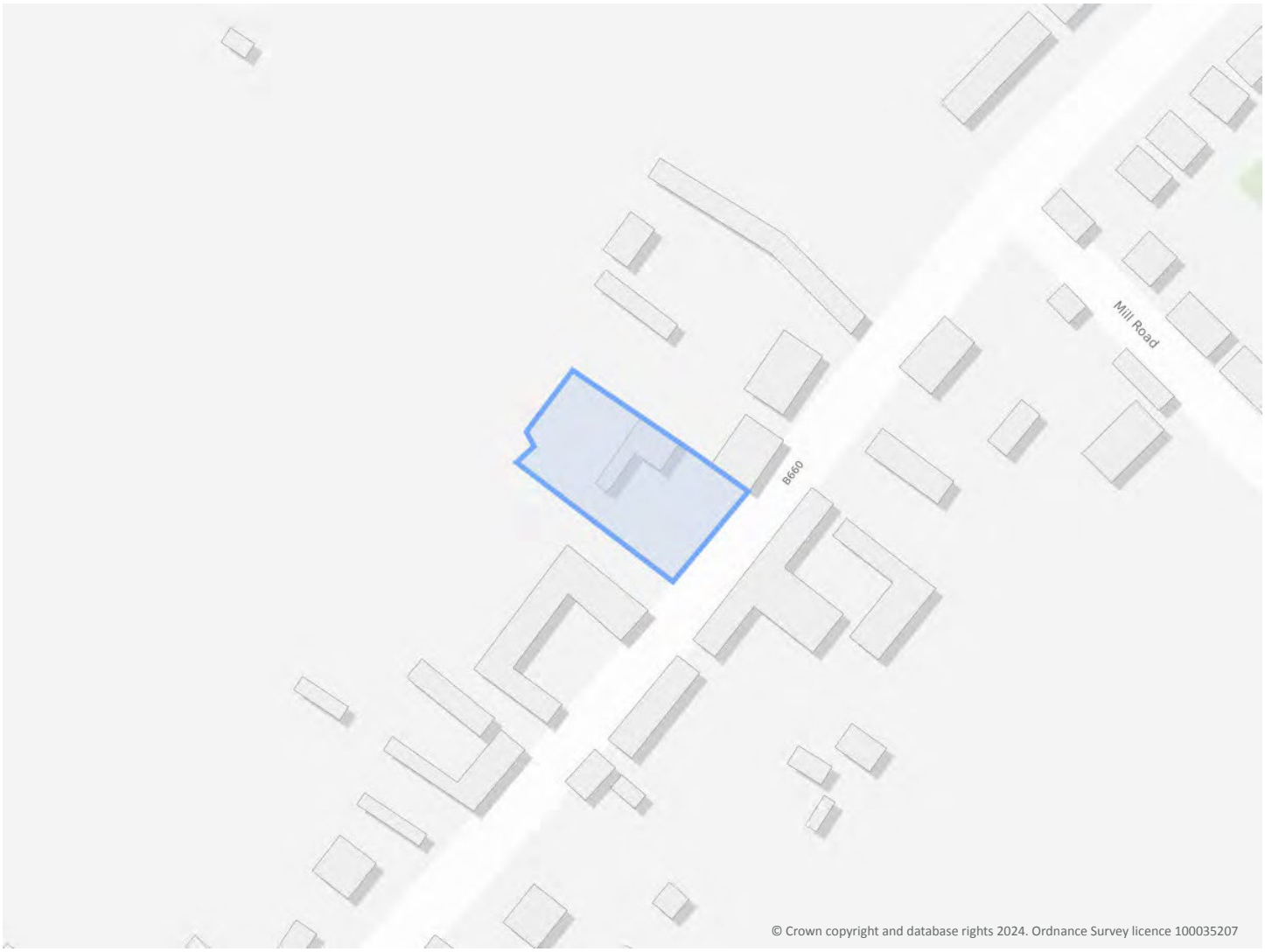
**Our Ref:** GS-PF1-B83-P9J-5MQ

## Site Details

**Location:** 511899 283488

**Area:** 0.14 ha

**Authority:** Huntingdonshire District Council ↗

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**Summary of findings** p. 2 >

**OS MasterMap site plan** p.14 >

**Aerial image** p. 9 >

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# Summary of findings

| Page | Section | Past land use > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|---|---|---|---|---|---|---|---|
| 15 > | 1.1 > | Historical industrial land uses > | 0 | 0 | 0 | 10 | - |
| 16 | 1.2 | Historical tanks | 0 | 0 | 0 | 0 | - |
| 16 | 1.3 | Historical energy features | 0 | 0 | 0 | 0 | - |
| 17 | 1.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 17 | 1.5 | Historical garages | 0 | 0 | 0 | 0 | - |
| 17 | 1.6 | Historical military land | 0 | 0 | 0 | 0 | - |
| Page | Section | Past land use - un-grouped > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 18 > | 2.1 > | Historical industrial land uses > | 0 | 0 | 0 | 10 | - |
| 19 | 2.2 | Historical tanks | 0 | 0 | 0 | 0 | - |
| 19 | 2.3 | Historical energy features | 0 | 0 | 0 | 0 | - |
| 19 | 2.4 | Historical petrol stations | 0 | 0 | 0 | 0 | - |
| 20 | 2.5 | Historical garages | 0 | 0 | 0 | 0 | - |
| Page | Section | Waste and landfill > | 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 | - |
| 22 > | 3.7 > | Waste exemptions > | 0 | 18 | 11 | 15 | - |
| Page | Section | Current industrial land use > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 27 > | 4.1 > | Recent industrial land uses > | 0 | 1 | 1 | - | - |
| 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 | 1 | - |
| 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 | - |
| **30 >** | **4.13 >** | **Licensed Discharges to controlled waters >** | 0 | 0 | 0 | 1 | - |
| 30 | 4.14 | Pollutant release to surface waters (Red List) | 0 | 0 | 0 | 0 | - |
| 30 | 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 | - |
| 31 | 4.20 | Pollution inventory waste transfers | 0 | 0 | 0 | 0 | - |
| 32 | 4.21 | Pollution inventory radioactive waste | 0 | 0 | 0 | 0 | - |

| Page | Section | **Hydrogeology >** | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|---|---|---|---|---|---|---|---|
| **33 >** | **5.1 >** | **Superficial aquifer >** | Identified (within 500m) | | | | |
| **34 >** | **5.2 >** | **Bedrock aquifer >** | Identified (within 500m) | | | | |
| **35 >** | **5.3 >** | **Groundwater vulnerability >** | Identified (within 50m) | | | | |
| 36 | 5.4 | Groundwater vulnerability- soluble rock risk | None (within 0m) | | | | |
| 36 | 5.5 | Groundwater vulnerability- local information | None (within 0m) | | | | |
| 37 | 5.6 | Groundwater abstractions | 0 | 0 | 0 | 0 | 0 |
| 37 | 5.7 | Surface water abstractions | 0 | 0 | 0 | 0 | 0 |
| 37 | 5.8 | Potable abstractions | 0 | 0 | 0 | 0 | 0 |
| 37 | 5.9 | Source Protection Zones | 0 | 0 | 0 | 0 | - |
| 38 | 5.10 | Source Protection Zones (confined aquifer) | 0 | 0 | 0 | 0 | - |

| Page | Section | **Hydrology >** | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|---|---|---|---|---|---|---|---|
| **39 >** | **6.1 >** | **Water Network (OS MasterMap) >** | 0 | 0 | 12 | - | - |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 41 > | 6.2 > | Surface water features > | 0 | 0 | 5 | - | - |
| 41 > | 6.3 > | WFD Surface water body catchments > | 1 | - | - | - | - |
| 41 > | 6.4 > | WFD Surface water bodies > | 0 | 0 | 0 | - | - |
| 42 | 6.5 | WFD Groundwater bodies | 0 | - | - | - | - |

| Page | Section | River and coastal flooding | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|---|---|---|---|---|---|---|---|
| 43 | 7.1 | Risk of flooding from rivers and the sea | None (within 50m) | | | | |
| 43 | 7.2 | Historical Flood Events | 0 | 0 | 0 | - | - |
| 43 | 7.3 | Flood Defences | 0 | 0 | 0 | - | - |
| 44 | 7.4 | Areas Benefiting from Flood Defences | 0 | 0 | 0 | - | - |
| 44 | 7.5 | Flood Storage Areas | 0 | 0 | 0 | - | - |
| 45 | 7.6 | Flood Zone 2 | None (within 50m) | | | | |
| 45 | 7.7 | Flood Zone 3 | None (within 50m) | | | | |

| Page | Section | Surface water flooding | |
|---|---|---|---|
| 46 | 8.1 | Surface water flooding | Negligible (within 50m) |

| Page | Section | Groundwater flooding > | |
|---|---|---|---|
| 47 > | 9.1 > | Groundwater flooding > | Low (within 50m) |

| Page | Section | Environmental designations | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
|---|---|---|---|---|---|---|---|
| 48 | 10.1 | Sites of Special Scientific Interest (SSSI) | 0 | 0 | 0 | 0 | 0 |
| 48 | 10.2 | Conserved wetland sites (Ramsar sites) | 0 | 0 | 0 | 0 | 0 |
| 48 | 10.3 | Special Areas of Conservation (SAC) | 0 | 0 | 0 | 0 | 0 |
| 48 | 10.4 | Special Protection Areas (SPA) | 0 | 0 | 0 | 0 | 0 |
| 49 | 10.5 | National Nature Reserves (NNR) | 0 | 0 | 0 | 0 | 0 |
| 49 | 10.6 | Local Nature Reserves (LNR) | 0 | 0 | 0 | 0 | 0 |
| 49 | 10.7 | Designated Ancient Woodland | 0 | 0 | 0 | 0 | 0 |
| 49 | 10.8 | Biosphere Reserves | 0 | 0 | 0 | 0 | 0 |
| 50 | 10.9 | Forest Parks | 0 | 0 | 0 | 0 | 0 |
| 50 | 10.10 | Marine Conservation Zones | 0 | 0 | 0 | 0 | 0 |
| 50 | 10.11 | Green Belt | 0 | 0 | 0 | 0 | 0 |
| 50 | 10.12 | Proposed Ramsar sites | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 50 | 10.13 | Possible Special Areas of Conservation (pSAC) | 0 | 0 | 0 | 0 | 0 |
| 51 | 10.14 | Potential Special Protection Areas (pSPA) | 0 | 0 | 0 | 0 | 0 |
| 51 | 10.15 | Nitrate Sensitive Areas | 0 | 0 | 0 | 0 | 0 |
| **51 >** | **10.16 >** | **Nitrate Vulnerable Zones >** | 1 | 0 | 0 | 0 | 1 |
| **52 >** | **10.17 >** | **SSSI Impact Risk Zones >** | 1 | - | - | - | - |
| 53 | 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 |
| 54 | 11.1 | World Heritage Sites | 0 | 0 | 0 | - | - |
| 55 | 11.2 | Area of Outstanding Natural Beauty | 0 | 0 | 0 | - | - |
| 55 | 11.3 | National Parks | 0 | 0 | 0 | - | - |
| **55 >** | **11.4 >** | **Listed Buildings >** | 0 | 0 | 1 | - | - |
| **56 >** | **11.5 >** | **Conservation Areas >** | 1 | 0 | 0 | - | - |
| 56 | 11.6 | Scheduled Ancient Monuments | 0 | 0 | 0 | - | - |
| 56 | 11.7 | Registered Parks and Gardens | 0 | 0 | 0 | - | - |
| Page | Section | **Agricultural designations >** | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| **57 >** | **12.1 >** | **Agricultural Land Classification >** | Grade 3 (within 250m) | | | | |
| 58 | 12.2 | Open Access Land | 0 | 0 | 0 | - | - |
| **58 >** | **12.3 >** | **Tree Felling Licences >** | 0 | 0 | 1 | - | - |
| 58 | 12.4 | Environmental Stewardship Schemes | 0 | 0 | 0 | - | - |
| 58 | 12.5 | Countryside Stewardship Schemes | 0 | 0 | 0 | - | - |
| Page | Section | Habitat designations | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 59 | 13.1 | Priority Habitat Inventory | 0 | 0 | 0 | - | - |
| 59 | 13.2 | Habitat Networks | 0 | 0 | 0 | - | - |
| 59 | 13.3 | Open Mosaic Habitat | 0 | 0 | 0 | - | - |
| 59 | 13.4 | Limestone Pavement Orders | 0 | 0 | 0 | - | - |
| Page | Section | **Geology 1:10,000 scale >** | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| **60 >** | **14.1 >** | **10k Availability >** | Identified (within 500m) | | | | |
| 61 | 14.2 | Artificial and made ground (10k) | 0 | 0 | 0 | 0 | - |
| 62 | 14.3 | Superficial geology (10k) | 0 | 0 | 0 | 0 | - |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 62 | 14.4 | Landslip (10k) | 0 | 0 | 0 | 0 | - |
| 63 | 14.5 | Bedrock geology (10k) | 0 | 0 | 0 | 0 | - |
| 63 | 14.6 | Bedrock faults and other linear features (10k) | 0 | 0 | 0 | 0 | - |
| Page | Section | **Geology 1:50,000 scale >** | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 64 > | 15.1 > | **50k Availability >** | Identified (within 500m) | | | | |
| 65 | 15.2 | Artificial and made ground (50k) | 0 | 0 | 0 | 0 | - |
| 65 | 15.3 | Artificial ground permeability (50k) | 0 | 0 | - | - | - |
| 66 > | 15.4 > | **Superficial geology (50k) >** | 1 | 0 | 1 | 1 | - |
| 67 > | 15.5 > | **Superficial permeability (50k) >** | Identified (within 50m) | | | | |
| 67 | 15.6 | Landslip (50k) | 0 | 0 | 0 | 0 | - |
| 67 | 15.7 | Landslip permeability (50k) | None (within 50m) | | | | |
| 68 > | 15.8 > | **Bedrock geology (50k) >** | 1 | 0 | 1 | 0 | - |
| 69 > | 15.9 > | **Bedrock permeability (50k) >** | Identified (within 50m) | | | | |
| 69 | 15.10 | Bedrock faults and other linear features (50k) | 0 | 0 | 0 | 0 | - |
| Page | Section | Boreholes | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 70 | 16.1 | BGS Boreholes | 0 | 0 | 0 | - | - |
| Page | Section | **Natural ground subsidence >** | | | | | |
| 71 > | 17.1 > | **Shrink swell clays >** | Low (within 50m) | | | | |
| 72 > | 17.2 > | **Running sands >** | Very low (within 50m) | | | | |
| 73 > | 17.3 > | **Compressible deposits >** | Negligible (within 50m) | | | | |
| 74 > | 17.4 > | **Collapsible deposits >** | Very low (within 50m) | | | | |
| 75 > | 17.5 > | **Landslides >** | Very low (within 50m) | | | | |
| 76 > | 17.6 > | **Ground dissolution of soluble rocks >** | Negligible (within 50m) | | | | |
| Page | Section | **Mining and ground workings >** | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 78 | 18.1 | BritPits | 0 | 0 | 0 | 0 | - |
| 79 > | 18.2 > | **Surface ground workings >** | 0 | 0 | 3 | - | - |
| 79 | 18.3 | Underground workings | 0 | 0 | 0 | 0 | 0 |
| 79 | 18.4 | Underground mining extents | 0 | 0 | 0 | 0 | - |
| 79 | 18.5 | Historical Mineral Planning Areas | 0 | 0 | 0 | 0 | - |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 80 | 18.6 | Non-coal mining | 0 | 0 | 0 | 0 | 0 |
| 80 | 18.7 | JPB mining areas | None (within 0m) | | | | |
| 80 | 18.8 | The Coal Authority non-coal mining | 0 | 0 | 0 | 0 | - |
| 80 | 18.9 | Researched mining | 0 | 0 | 0 | 0 | - |
| 81 | 18.10 | Mining record office plans | 0 | 0 | 0 | 0 | - |
| 81 | 18.11 | BGS mine plans | 0 | 0 | 0 | 0 | - |
| 81 | 18.12 | Coal mining | None (within 0m) | | | | |
| 81 | 18.13 | Brine areas | None (within 0m) | | | | |
| 81 | 18.14 | Gypsum areas | None (within 0m) | | | | |
| 82 | 18.15 | Tin mining | None (within 0m) | | | | |
| 82 | 18.16 | Clay mining | None (within 0m) | | | | |
| Page | Section | Ground cavities and sinkholes | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 83 | 19.1 | Natural cavities | 0 | 0 | 0 | 0 | - |
| 83 | 19.2 | Mining cavities | 0 | 0 | 0 | 0 | 0 |
| 83 | 19.3 | Reported recent incidents | 0 | 0 | 0 | 0 | - |
| 83 | 19.4 | Historical incidents | 0 | 0 | 0 | 0 | - |
| 84 | 19.5 | National karst database | 0 | 0 | 0 | 0 | - |
| Page | Section | **Radon** > | | | | | |
| **85** > | **20.1** > | **Radon** > | Less than 1% (within 0m) | | | | |
| Page | Section | **Soil chemistry** > | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| **87** > | **21.1** > | **BGS Estimated Background Soil Chemistry** > | 2 | 0 | - | - | - |
| 87 | 21.2 | BGS Estimated Urban Soil Chemistry | 0 | 0 | - | - | - |
| 87 | 21.3 | BGS Measured Urban Soil Chemistry | 0 | 0 | - | - | - |
| Page | Section | Railway infrastructure and projects | On site | 0-50m | 50-250m | 250-500m | 500-2000m |
| 88 | 22.1 | Underground railways (London) | 0 | 0 | 0 | - | - |
| 88 | 22.2 | Underground railways (Non-London) | 0 | 0 | 0 | - | - |
| 88 | 22.3 | Railway tunnels | 0 | 0 | 0 | - | - |
| 88 | 22.4 | Historical railway and tunnel features | 0 | 0 | 0 | - | - |
| 88 | 22.5 | Royal Mail tunnels | 0 | 0 | 0 | - | - |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 89 | 22.6 | Historical railways | 0 | 0 | 0 | - | - |
| 89 | 22.7 | Railways | 0 | 0 | 0 | - | - |
| 89 | 22.8 | Crossrail 2 | 0 | 0 | 0 | 0 | - |
| 89 | 22.9 | HS2 | 0 | 0 | 0 | 0 | - |

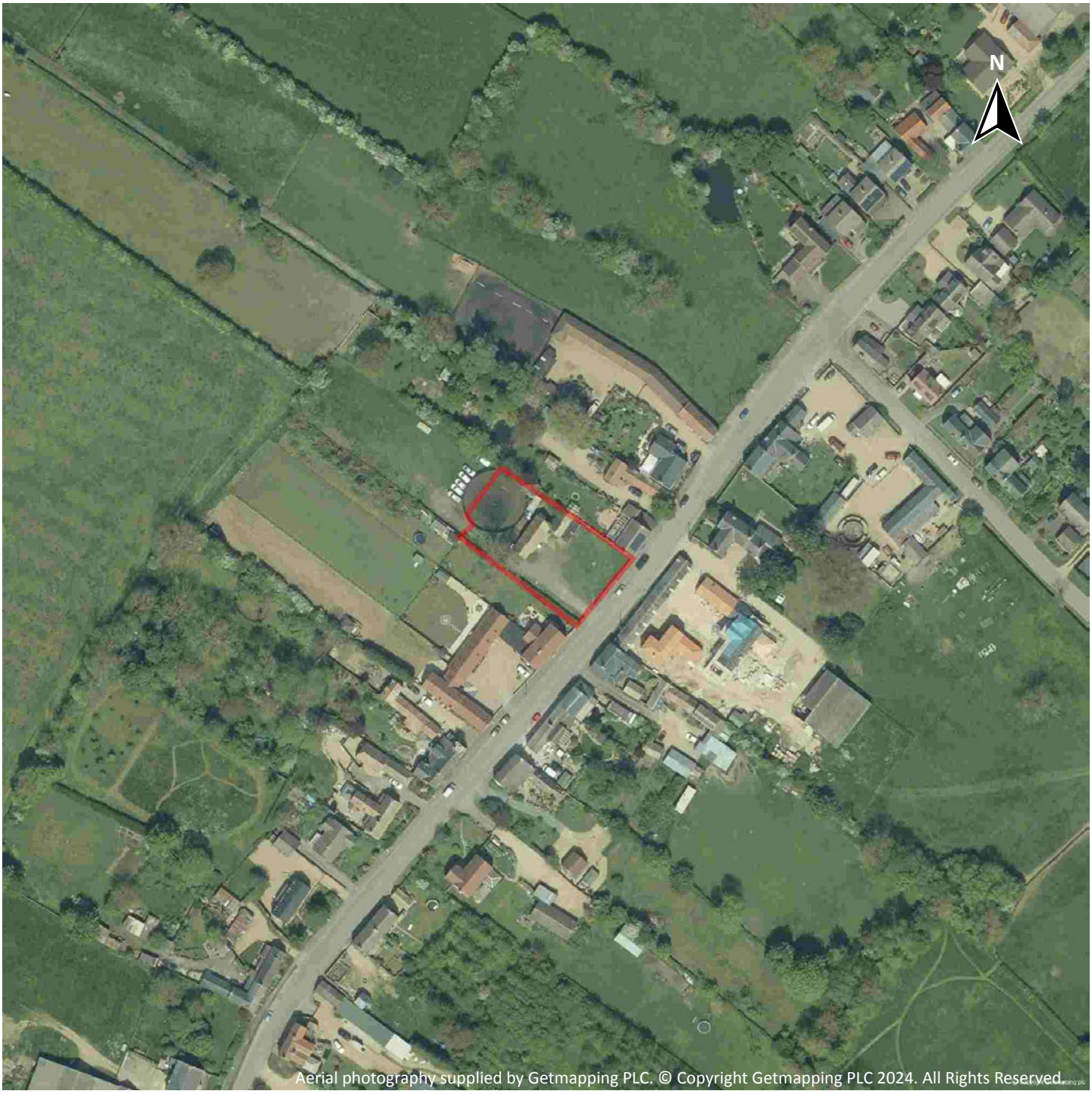
## Recent aerial photograph




Capture Date: 14/08/2022

Site Area: 0.14ha

## Recent site history - 2019 aerial photograph




Capture Date: 15/05/2019

Site Area: 0.14ha

# Recent site history - 2013 aerial photograph




Capture Date: 12/07/2013

Site Area: 0.14ha

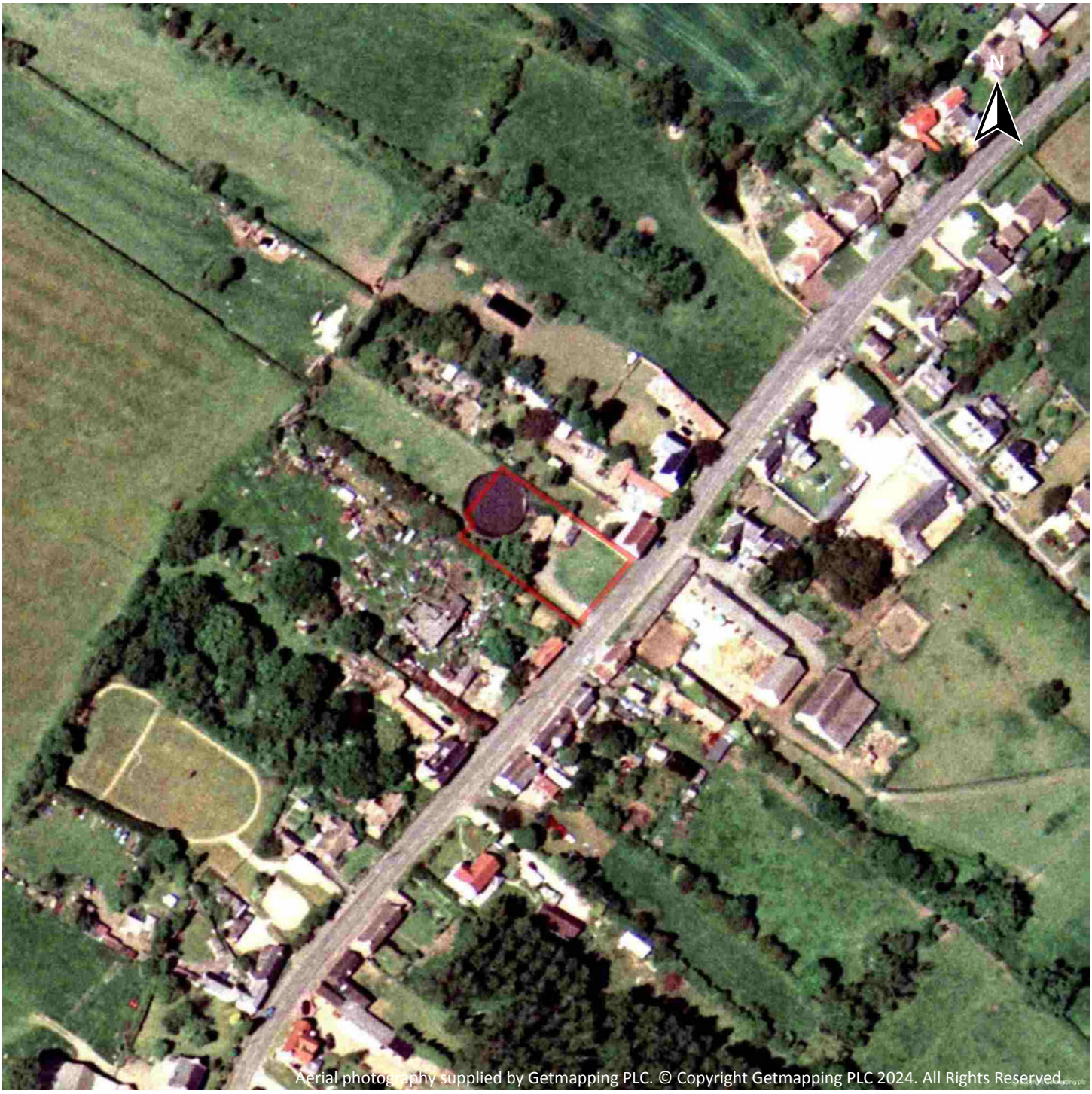
## Recent site history - 2006 aerial photograph




Capture Date: 12/07/2006

Site Area: 0.14ha

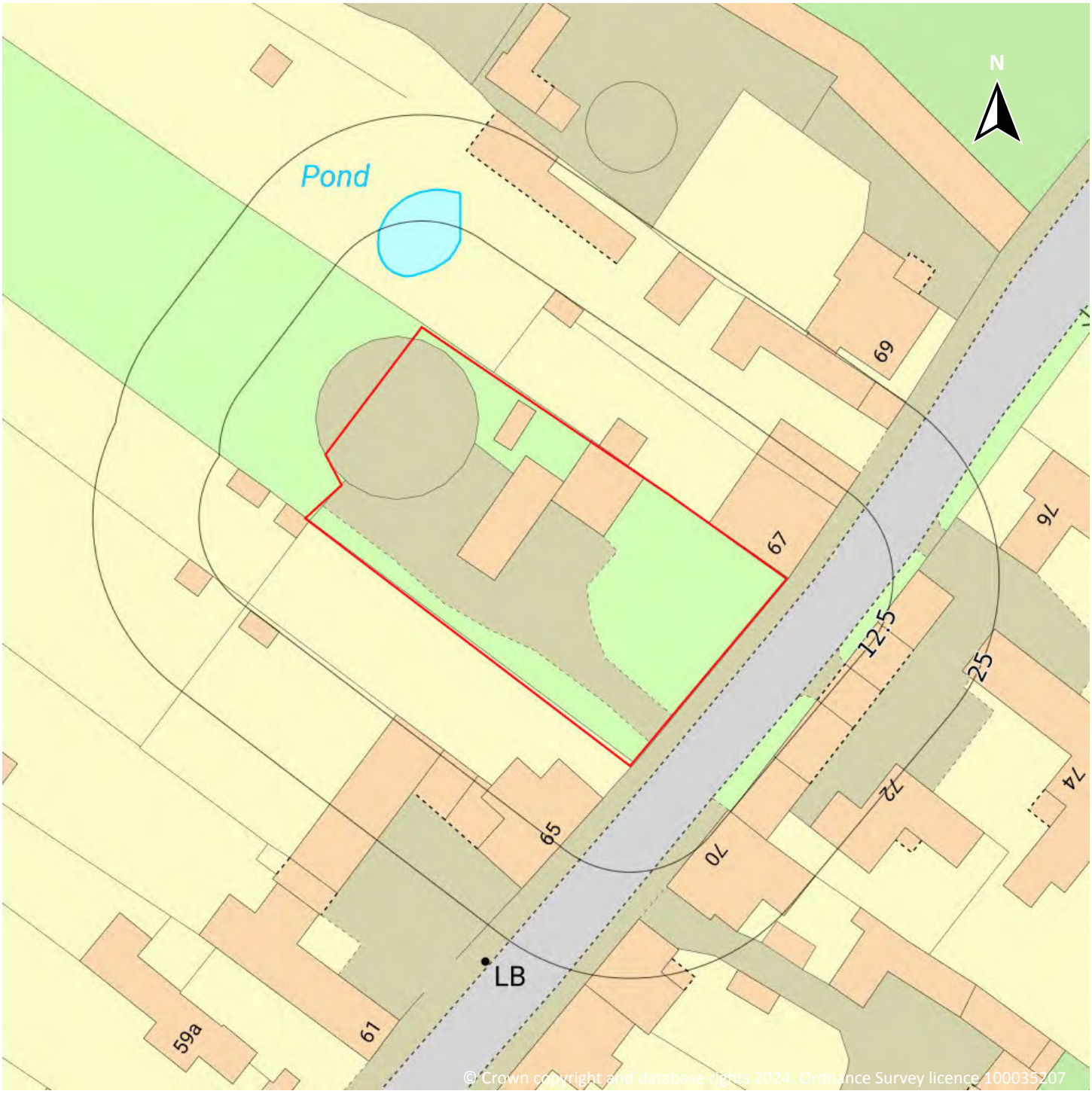
# Recent site history - 1999 aerial photograph




Capture Date: 27/05/1999

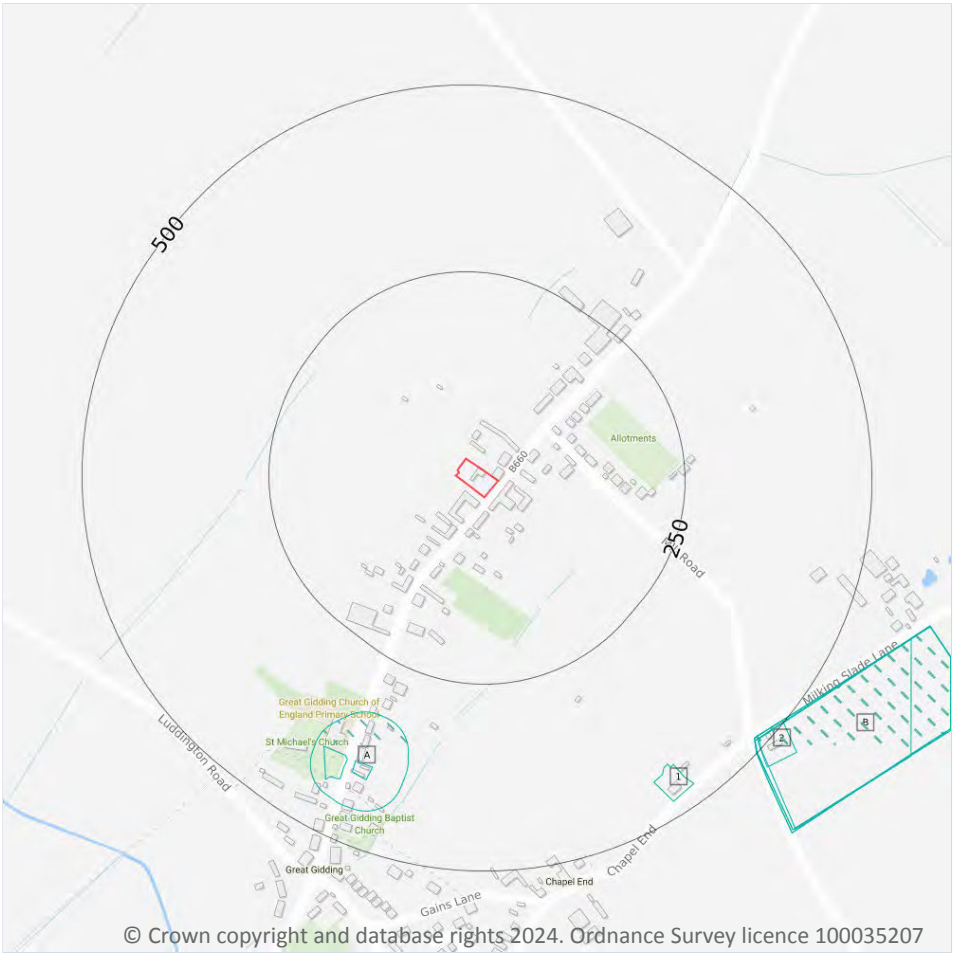
Site Area: 0.14ha

## OS MasterMap site plan




Site Area: 0.14ha

# 1 Past land use




Site Outline

Search buffers in metres (m)

Historical industrial land uses

## 1.1 Historical industrial land uses

| Records within 500m | 10 |
|---|---|

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

Features are displayed on the Past land use map on **page 15 >**

| ID | Location | Land use | Dates present | Group ID |
|---|---|---|---|---|
| A | 323m S | Fire Engine House | 1924 | 2080925 |

| ID | Location | Land use | Dates present | Group ID |
|---|---|---|---|---|
| A | 391m S | Smithy | 1901 | 2089537 |
| A | 392m SW | Grave Yard | 1887 | 2077212 |
| 1 | 433m SE | Unspecified Mill | 1901 | 2074076 |
| B | 484m SE | Unspecified Disused Mill | 1924 | 2134404 |
| B | 484m SE | Unspecified Disused Mill | 1900 | 2147764 |
| 2 | 485m SE | Unspecified Disused Mill | 1950 | 2133825 |
| B | 487m SE | Unspecified Mill | 1981 | 2074074 |
| B | 487m SE | Unspecified Disused Mill | 1950 | 2095772 |
| B | 489m SE | Unspecified Disused Mill | 1901 | 2142268 |

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

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

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

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

## 1.4 Historical petrol stations

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

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

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

## 1.5 Historical garages

| Records within 500m | 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 un-grouped features can be cross-referenced across sections 1 and 2 using the 'Group ID'.

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

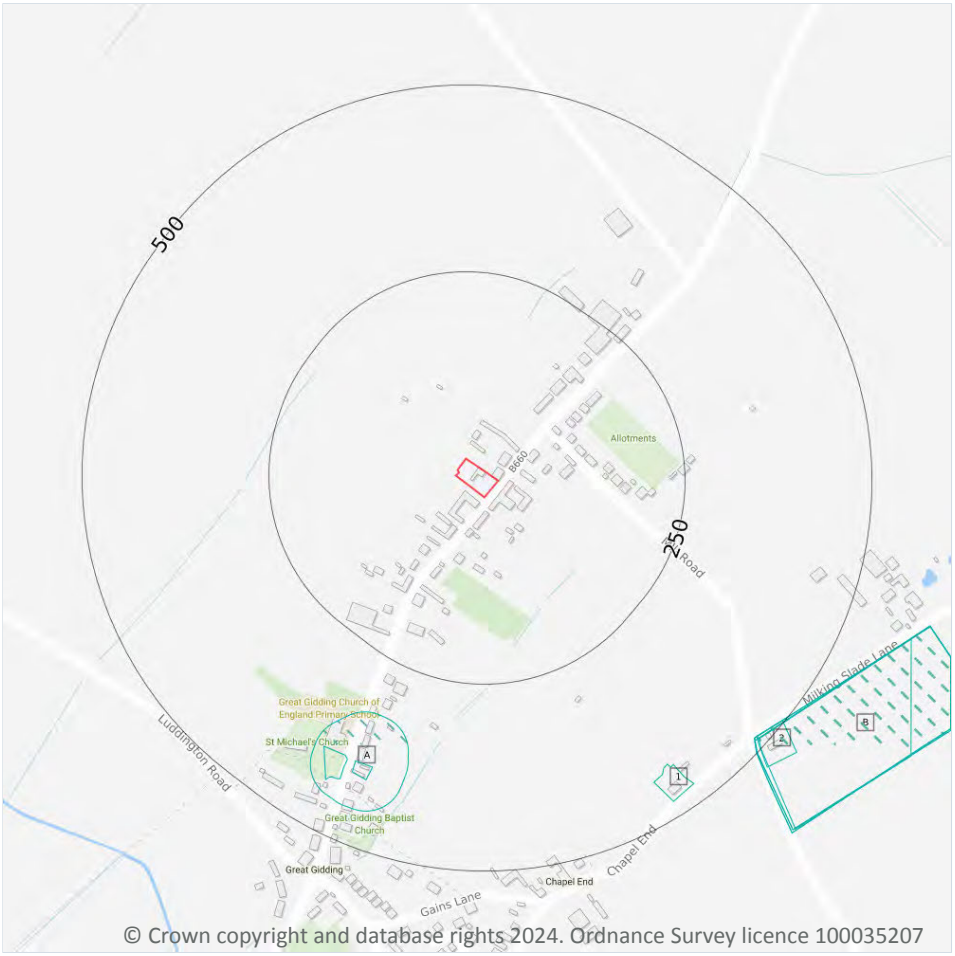
## 1.6 Historical military land

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

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

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

# 2 Past land use - un-grouped




Site Outline

Search buffers in metres (m)

Historical industrial land uses

## 2.1 Historical industrial land uses

| Records within 500m | 10 |
|---|---|

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 | 323m S | Fire Engine House | 1924 | 2080925 |
| A | 391m S | Smithy | 1901 | 2089537 |
| A | 392m SW | Grave Yard | 1887 | 2077212 |

| ID | Location | Land Use | Date | Group ID |
|---|---|---|---|---|
| 1 | 433m SE | Unspecified Mill | 1901 | 2074076 |
| B | 484m SE | Unspecified Disused Mill | 1924 | 2134404 |
| B | 484m SE | Unspecified Disused Mill | 1900 | 2147764 |
| 2 | 485m SE | Unspecified Disused Mill | 1950 | 2133825 |
| B | 487m SE | Unspecified Disused Mill | 1950 | 2095772 |
| B | 487m SE | Unspecified Mill | 1981 | 2074074 |
| B | 489m SE | Unspecified Disused Mill | 1901 | 2142268 |

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

## 2.2 Historical tanks

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

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

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

## 2.3 Historical energy features

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

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

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

## 2.4 Historical petrol stations

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

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

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

## 2.5 Historical garages

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

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

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

# 3 Waste and landfill




Site Outline

Search buffers in metres (m)

Waste exemptions

## 3.1 Active or recent landfill

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

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

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

## 3.2 Historical landfill (BGS records)

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

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

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

## 3.3 Historical landfill (LA/mapping records)

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

Landfill sites identified from Local Authority records and high detail historical mapping.

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

## 3.4 Historical landfill (EA/NRW records)

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

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

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

## 3.5 Historical waste sites

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

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

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

## 3.6 Licensed waste sites

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

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

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

## 3.7 Waste exemptions

| Records within 500m | 44 |
|---|---|

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 | 25m S | 87 Main Street Huntingdon Cambridgeshire Pe28 5nu | EPR/YH0915QG/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of waste from dredging of inland waters |
| A | 25m S | 87 Main Street Huntingdon Cambridgeshire Pe28 5nu | EPR/YH0915QG/A001 | Using waste exemption | Agricultural waste only | Use of waste in construction |
| A | 25m S | 87 Main Street Huntingdon Cambridgeshire Pe28 5nu | EPR/YH0915QG/A001 | Disposing of waste exemption | Agricultural waste only | Deposit of agricultural waste consisting of plant tissue under a Plant Health notice |
| A | 25m S | 87 Main Street Huntingdon Cambridgeshire Pe28 5nu | EPR/YH0915QG/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Storing waste exemption | On a farm | Storage of waste in secure containers |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Using waste exemption | On a farm | Use of waste for a specified purpose |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Using waste exemption | On a farm | Use of waste in construction |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Disposing of waste exemption | On a farm | Burning waste in the open |
| A | 26m S | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX126847 | Treating waste exemption | On a farm | Crushing and emptying waste vehicle oil filters |
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Storing waste exemption | On a farm | Storage of waste in secure containers |

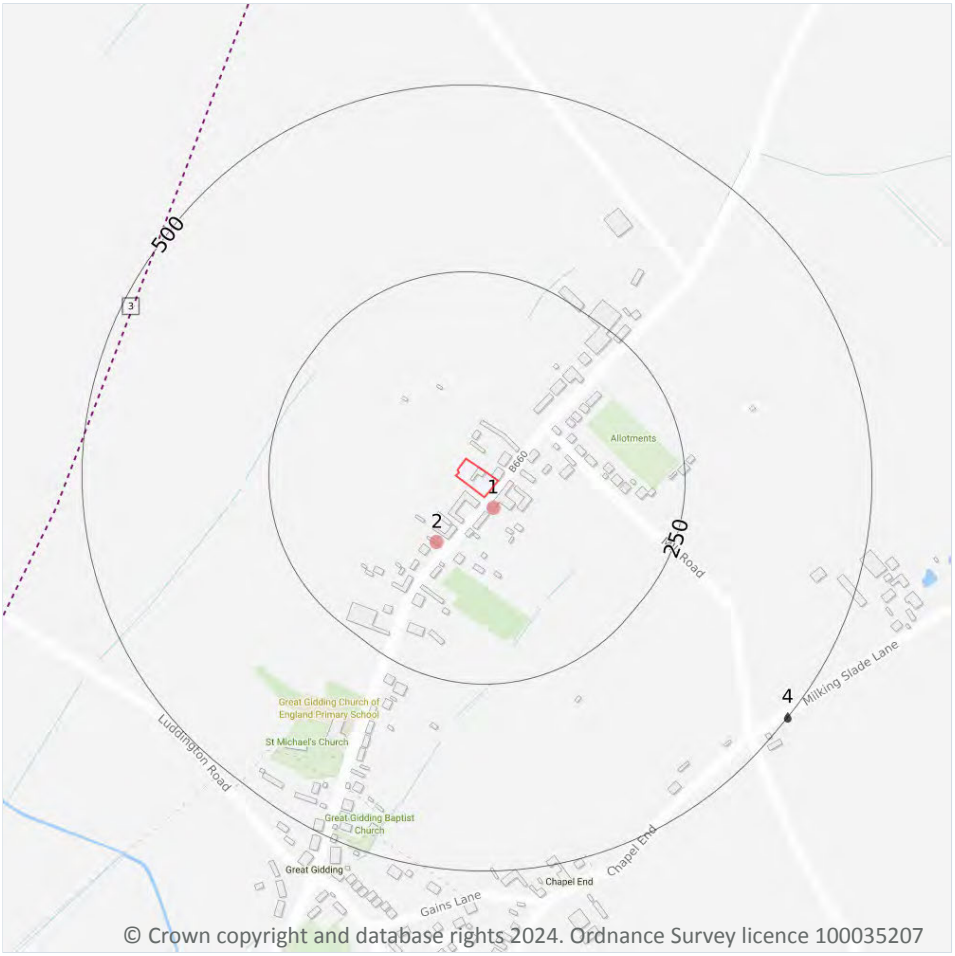
| ID | Location | Site | Reference | Category | Sub-Category | Description |
|---|---|---|---|---|---|---|
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Using waste exemption | On a farm | Use of waste in construction |
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Using waste exemption | On a farm | Use of waste for a specified purpose |
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Disposing of waste exemption | On a farm | Burning waste in the open |
| A | 26m S | Manorsite Farm, Great Gidding, Great Gidding, Cambridgeshire, Pe28 5nu | WEX128298 | Treating waste exemption | On a farm | Crushing and emptying waste vehicle oil filters |
| 1 | 122m E | 9, Mill Road, Great Gidding, Huntingdon, Pe28 5nt | WEX032922 | Disposing of waste exemption | On a farm | Burning waste in the open |
| 2 | 159m E | 9 Mill Road Huntingdon Cambridgeshire Pe28 5nt | EPR/NH0074FR/A001 | Disposing of waste exemption | Agricultural waste only | Burning waste in the open |
| B | 196m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX299767 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| B | 196m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX299767 | Using waste exemption | On a farm | Use of waste in construction |
| B | 196m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX299767 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| B | 196m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX164087 | Using waste exemption | On a farm | Use of waste in construction |
| B | 196m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX164087 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| B | 196m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX164087 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |

| ID | Location | Site | Reference | Category | Sub-Category | Description |
|---|---|---|---|---|---|---|
| B | 199m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX004658 | Storing waste exemption | On a farm | Storage of waste in a secure place |
| B | 199m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX004658 | Using waste exemption | On a farm | Spreading of plant matter to confer benefit |
| B | 199m NE | 87, Main Street, Great Gidding, Huntingdon, Pe28 5nu | WEX004658 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| C | 493m SW | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX325843 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |
| C | 493m SW | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX325843 | Storing waste exemption | On a farm | Storage of waste in a secure place |
| C | 493m SW | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX325843 | Using waste exemption | On a farm | Spreading of plant matter to confer benefit |
| C | 493m SW | - | WEX264553 | Using waste exemption | On a farm | Use of waste in construction |
| C | 493m SW | - | WEX264553 | Storing waste exemption | On a farm | Storage of waste in a secure place |
| C | 493m SW | - | WEX264553 | Storing waste exemption | On a farm | Storage of waste in secure containers |
| C | 493m SW | - | WEX264553 | Disposing of waste exemption | On a farm | Deposit of waste from dredging of inland waters |
| C | 493m SW | - | WEX264553 | Treating waste exemption | On a farm | Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising |
| C | 493m SW | - | WEX264553 | Using waste exemption | On a farm | Use of waste for a specified purpose |
| C | 493m SW | - | WEX264553 | Disposing of waste exemption | On a farm | Burning waste in the open |
| C | 493m SW | - | WEX264553 | Treating waste exemption | On a farm | Crushing and emptying waste vehicle oil filters |
| C | 493m SW | - | WEX264553 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |

| ID | Location | Site | Reference | Category | Sub-Category | Description |
|---|---|---|---|---|---|---|
| C | 493m SW | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX197977 | Storing waste exemption | On a farm | Storage of waste in a secure place |
| C | 493m SW | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX197977 | Using waste exemption | On a farm | Spreading of plant matter to confer benefit |
| C | 493m SW | Manorsite Farm, Great Gidding, Huntingdon, Cambridgeshire, Pe28 5nu | WEX197977 | Using waste exemption | On a farm | Spreading waste on agricultural land to confer benefit |

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

# 4 Current industrial land use




Site Outline

Search buffers in metres (m)

Recent industrial land uses

Gas pipelines

Licensed Discharges to controlled waters

## 4.1 Recent industrial land uses

| Records within 250m | 2 |
|---|---|

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 | 18m SE | Arrestapest | 70, Main Street, Great Gidding, Cambridgeshire, PE28 5NU | Pest and Vermin Control | Contract Services |
| 2 | 86m SW | G W Designs | 57, Main Street, Great Gidding, Cambridgeshire, PE28 5NU | Fireplaces and Mantelpieces | Consumer Products |

*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 | 1 |
|---|---|

High pressure underground gas transmission pipelines.

Features are displayed on the Current industrial land use map on **page 27 >**

| ID | Location | Pipe Name | Details | |
|---|---|---|---|---|
| 3 | 483m W | PETERBOROUGH TO HUNTINGDON | Pipe Number: -<br>Pipeline Safety Regulations Number: -<br>Ownership: National Grid<br>Maximum Operating Pressure (Bar): - | Pipeline Diameter (mm): 1050<br>Wall Thickness (mm): -<br>Year of commission: Not specified<br>Abandonment Status: Not abandoned |

*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 | 1 |
|---|---|

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

Features are displayed on the Current industrial land use map on **page 27 >**

| ID | Location | Address | Details | |
|---|---|---|---|---|
| 4 | 500m SE | THE MILL STP, MILL ROAD, GREAT GIDDING, HUNTINGDON, CAMBRIDGESHIRE, PE28 5NT | Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY<br>Permit Number: EPRBB3894AF<br>Permit Version: 1<br>Receiving Water: TRIBUTARY OF ALCONBURY BROOK | Status: NEW ISSUED UNDER EPR 2010<br>Issue date: 09/12/2014<br>Effective Date: 09/12/2014<br>Revocation Date: - |

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

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

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

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

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

## 4.15 Pollutant release to public sewer

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

Discharges of Special Category Effluents to the public sewer.

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

## 4.16 List 1 Dangerous Substances

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

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

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

## 4.17 List 2 Dangerous Substances

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

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

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

## 4.18 Pollution Incidents (EA/NRW)

| Records within 500m | 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.*

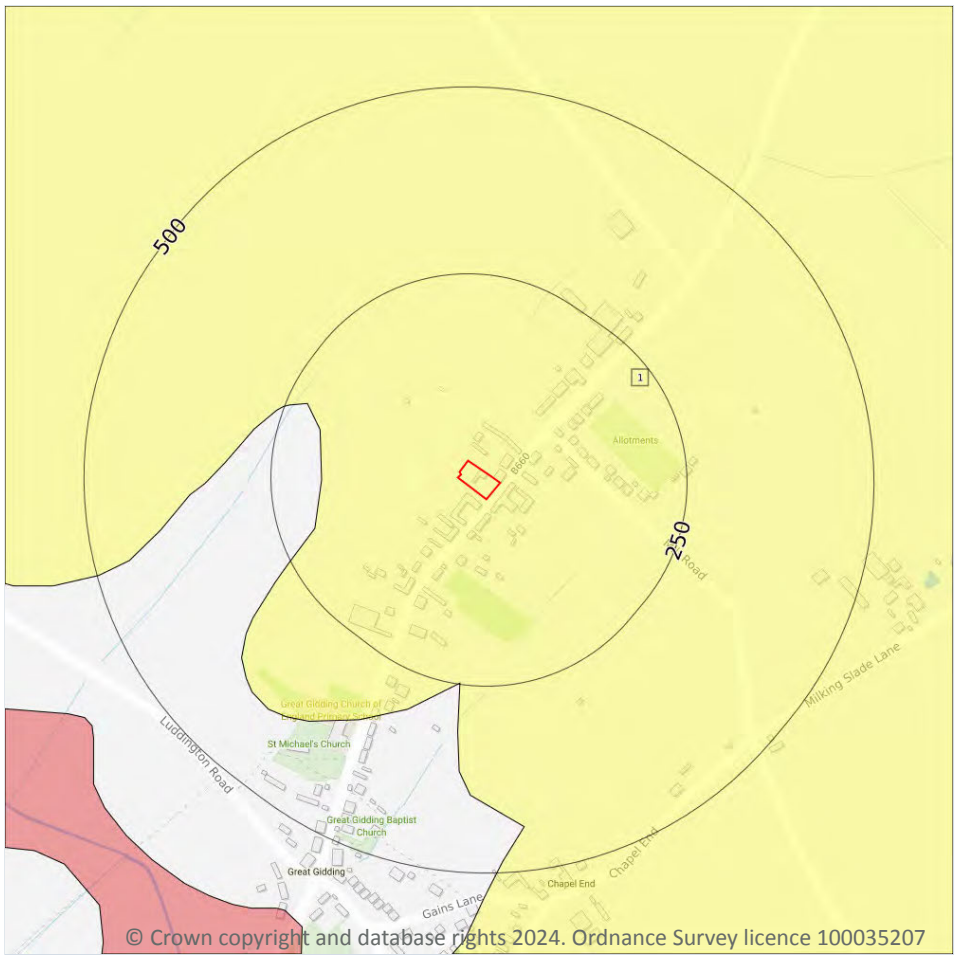
## 4.21 Pollution inventory radioactive waste

| 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




Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive
- Unknown

## 5.1 Superficial aquifer

| Records within 500m | 1 |
|---|---|

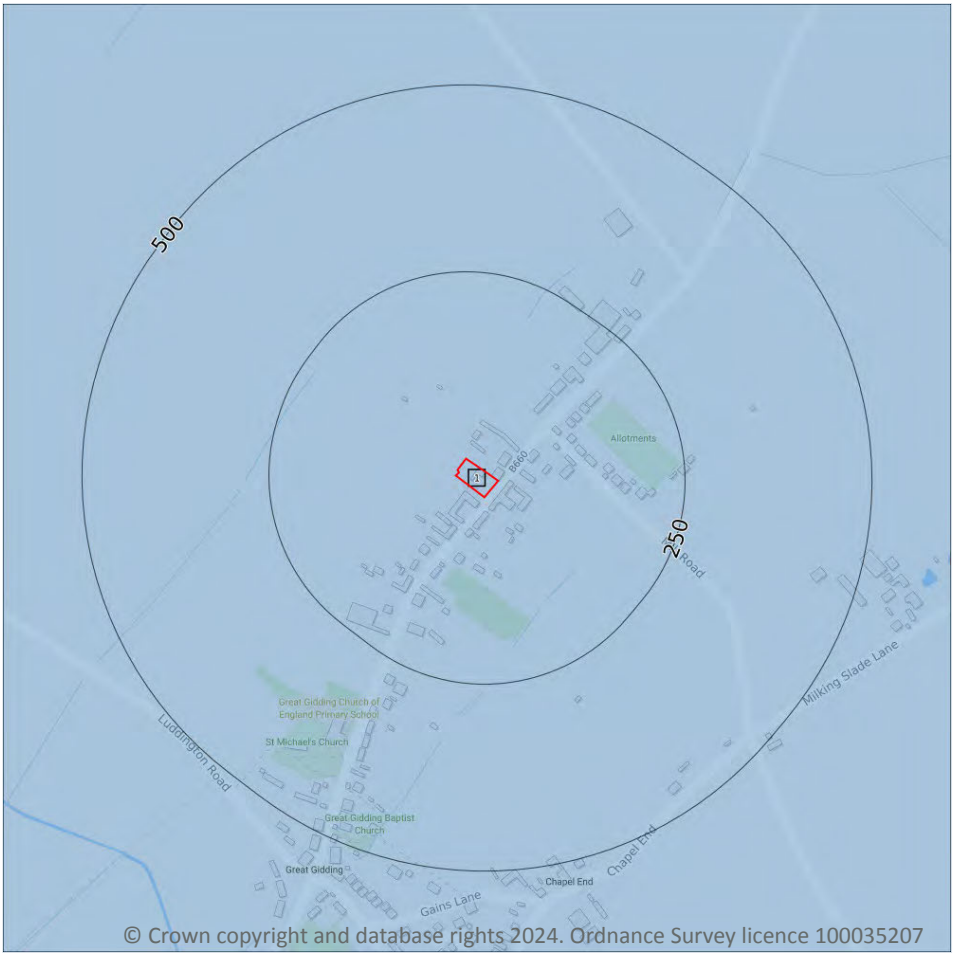
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 33 >**

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

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

# Bedrock aquifer




Site Outline

Search buffers in metres (m)

- Principal
- Secondary A
- Secondary B
- Secondary Undifferentiated
- Unproductive

## 5.2 Bedrock aquifer

| Records within 500m | 1 |
|---|---|

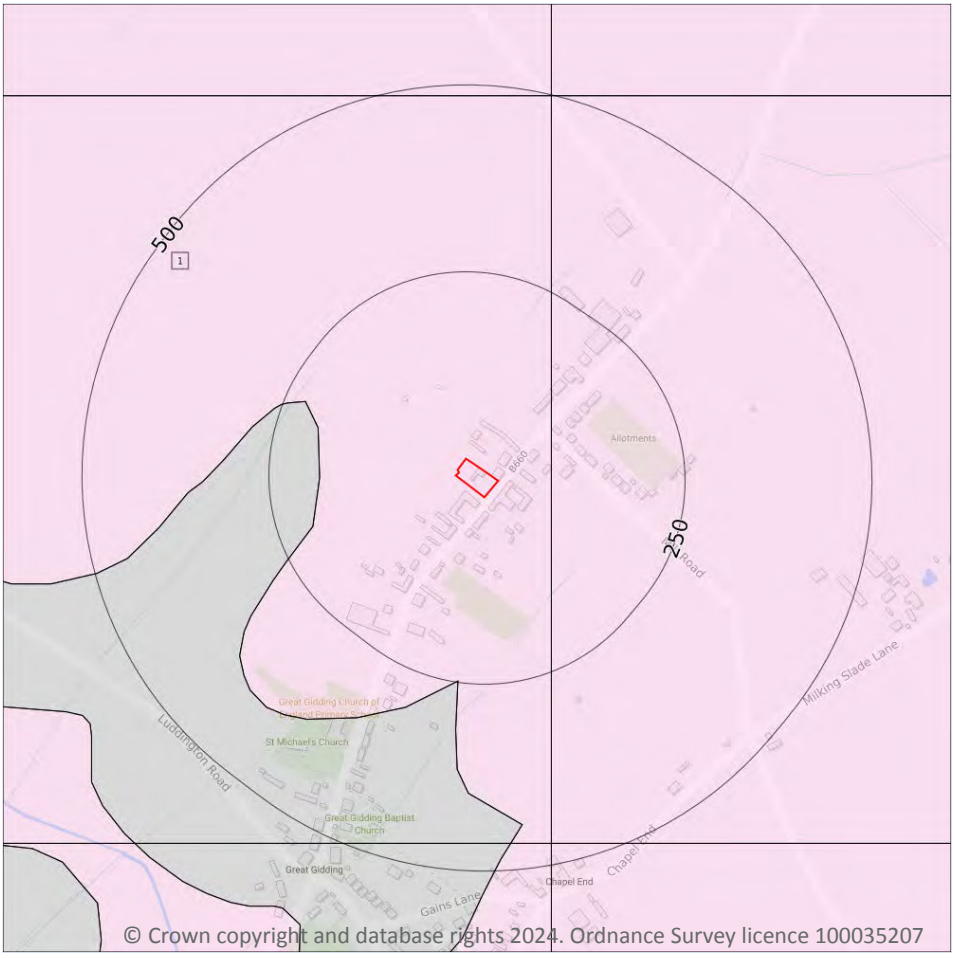
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 34 >**

| ID | Location | Designation | Description |
|---|---|---|---|
| 1 | On site | Unproductive | These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow |

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

# Groundwater vulnerability




Site Outline

Search buffers in metres (m)

Superficial vulnerability

- Principal superficial aquifer, high vulnerability
- Secondary superficial aquifer, high vulnerability
- Principal superficial aquifer, medium vulnerability
- Secondary superficial aquifer, medium vulnerability
- Principal superficial aquifer, low vulnerability
- Secondary superficial aquifer, low vulnerability

Bedrock vulnerability

- Principal bedrock aquifer, high vulnerability
- Secondary bedrock aquifer, high vulnerability
- Principal bedrock aquifer, medium vulnerability
- Secondary bedrock aquifer, medium vulnerability
- Principal bedrock aquifer, low vulnerability
- Secondary bedrock aquifer, low vulnerability

Other information

- Unproductive aquifer
- Soluble rock risk
- Local information

## 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 | **Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer** | **Leaching class: Intermediate Infiltration value: 40-70% Dilution value: <300mm/year** | **Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: Low** | **Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Well connected fractures** |

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

## 5.4 Groundwater vulnerability- soluble rock risk

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

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

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

## 5.5 Groundwater vulnerability- local information

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

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

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

# Abstractions and Source Protection Zones

## 5.6 Groundwater abstractions

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

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

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

## 5.7 Surface water abstractions

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

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

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

## 5.9 Source Protection Zones

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

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

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

## 5.10 Source Protection Zones (confined aquifer)

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

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

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

# 6 Hydrology




Site Outline

Search buffers in metres (m)

Water Network (OS MasterMap)

Surface water features (wider than 5m)

Surface water features (narrower than 5m)

WFD River, canal and surface water transfer water bodies

WFD Lake water bodies

WFD Transitional and coastal water bodies

WFD Surface water body catchments boundaries

WFD Groundwater body boundaries

## 6.1 Water Network (OS MasterMap)

| Records within 250m | 12 |
|---|---|

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

Features are displayed on the Hydrology map on **page 39 >**

| ID | Location | Type of water feature | Ground level | Permanence | Name |
|---|---|---|---|---|---|
| A | 150m SE | Lake, loch or reservoir. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |

| ID | Location | Type of water feature | Ground level | Permanence | Name |
|---|---|---|---|---|---|
| A | 150m SE | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| A | 159m SE | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| A | 161m SE | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| A | 165m SE | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| A | 167m SE | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| B | 202m N | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| 2 | 203m S | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| C | 231m NW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| C | 231m NW | Inland river not influenced by normal tidal action. | Underground | Watercourse contains water year round (in normal circumstances) | - |
| D | 231m NW | Inland river not influenced by normal tidal action. | On ground surface | Watercourse contains water year round (in normal circumstances) | - |
| E | 248m S | 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 | 5 |
|---|---|

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 39 >**

*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 39 >**

| ID | Location | Type | Water body catchment | Water body ID | Operational catchment | Management catchment |
|---|---|---|---|---|---|---|
| **1** | **On site** | **River** | **Alconbury Brook** | **GB105033042820** | **Great Ouse Lower** | **Ouse Upper and Bedford** |

*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 39 >**

| ID | Location | Type | Name | Water body ID | Overall rating | Chemical rating | Ecological rating | Year |
|---|---|---|---|---|---|---|---|---|
| - | 675m SW | River | Alconbury Brook | GB105033042820 ↗ | Moderate | Fail | Moderate | 2019 |

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

## 6.5 WFD Groundwater bodies

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

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.

*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** |

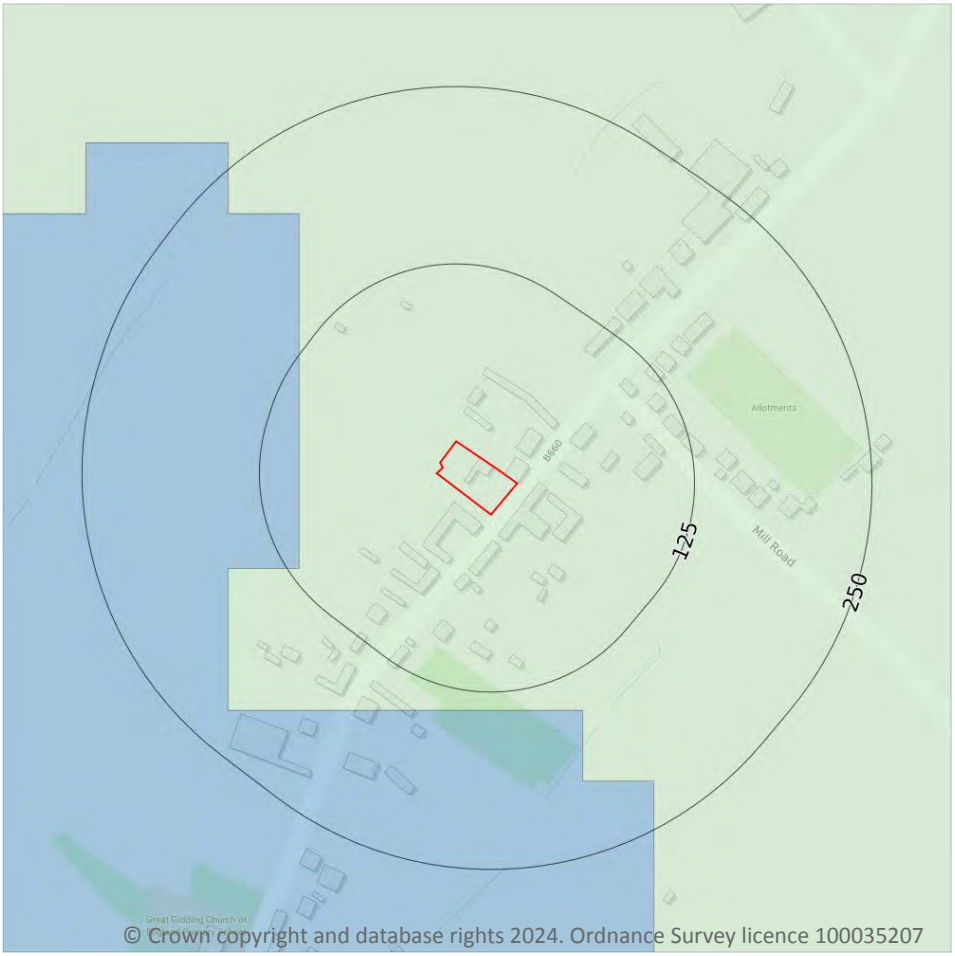
Ambiental Risk Analytics surface water (pluvial) FloodMap identifies areas likely to flood as a result of extreme rainfall events, i.e. land naturally vulnerable to surface water ponding or flooding. This data set was produced by simulating 1 in 30 year, 1 in 100 year, 1 in 250 year and 1 in 1,000 year 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** | **Low** |
| **Highest risk within 50m** | **Low** |

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

Features are displayed on the Groundwater flooding map on **page 47 >**

*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 | 2 |
|---|---|

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

| Location | Name | Type | NVZ ID | Status |
|---|---|---|---|---|
| **On site** | **Great Ouse NVZ** | **Surface Water** | **391** | **Existing** |
| 1953m E | Middle Level NVZ | Surface Water | 386 | Existing |

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

# SSSI Impact Zones and Units




Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

## 10.17 SSSI Impact Risk Zones

| Records on site | 1 |
|---|---|

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

Features are displayed on the SSSI Impact Zones and Units map on **page 52 >**

| ID | Location | Type of developments requiring consultation |
|---|---|---|
| 1 | On site | **Infrastructure - Airports, helipads and other aviation proposals.**<br>**Air pollution - Livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t.**<br>**Notes: New housing developments will require an assessment of recreational pressure on relevant SSSIs and measures to mitigate adverse impacts e.g. alternative open space provision. For further advice contact Natural England's Discretionary Advice Service.** |

*This data is sourced from Natural England.*

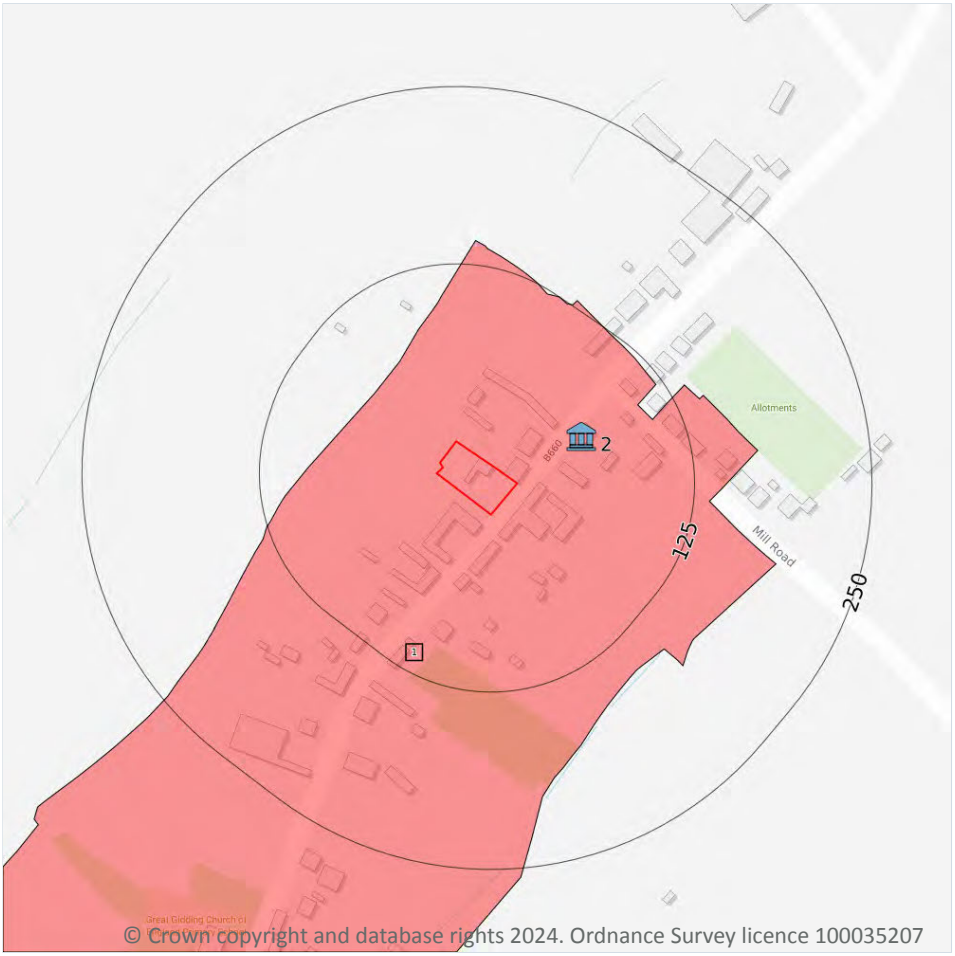
## 10.18 SSSI Units

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

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

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

# 11 Visual and cultural designations




Site Outline

Search buffers in metres (m)

Listed buildings

Conservation areas

Conservation areas - no data

National Parks

Areas of Outstanding Natural Beauty

Registered parks and gardens

Scheduled Monuments

World Heritage Sites

## 11.1 World Heritage Sites

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

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

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

## 11.2 Area of Outstanding Natural Beauty

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

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

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

## 11.3 National Parks

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

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

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

## 11.4 Listed Buildings

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

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

Features are displayed on the Visual and cultural designations map on **page 54 >**

| ID | Location | Name | Grade | Reference Number | Listed date |
|---|---|---|---|---|---|
| 2 | 56m E | Fox And Hounds Public House | II | 1222762 | 09/04/1987 |

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

## 11.5 Conservation Areas

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

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.

Features are displayed on the Visual and cultural designations map on **page 54 >**

| ID | Location | Name | District | Date of designation |
|---|---|---|---|---|
| **1** | **On site** | **Great Gidding** | **Huntingdonshire** | **unknown** |

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

## 11.6 Scheduled Ancient Monuments

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

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

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

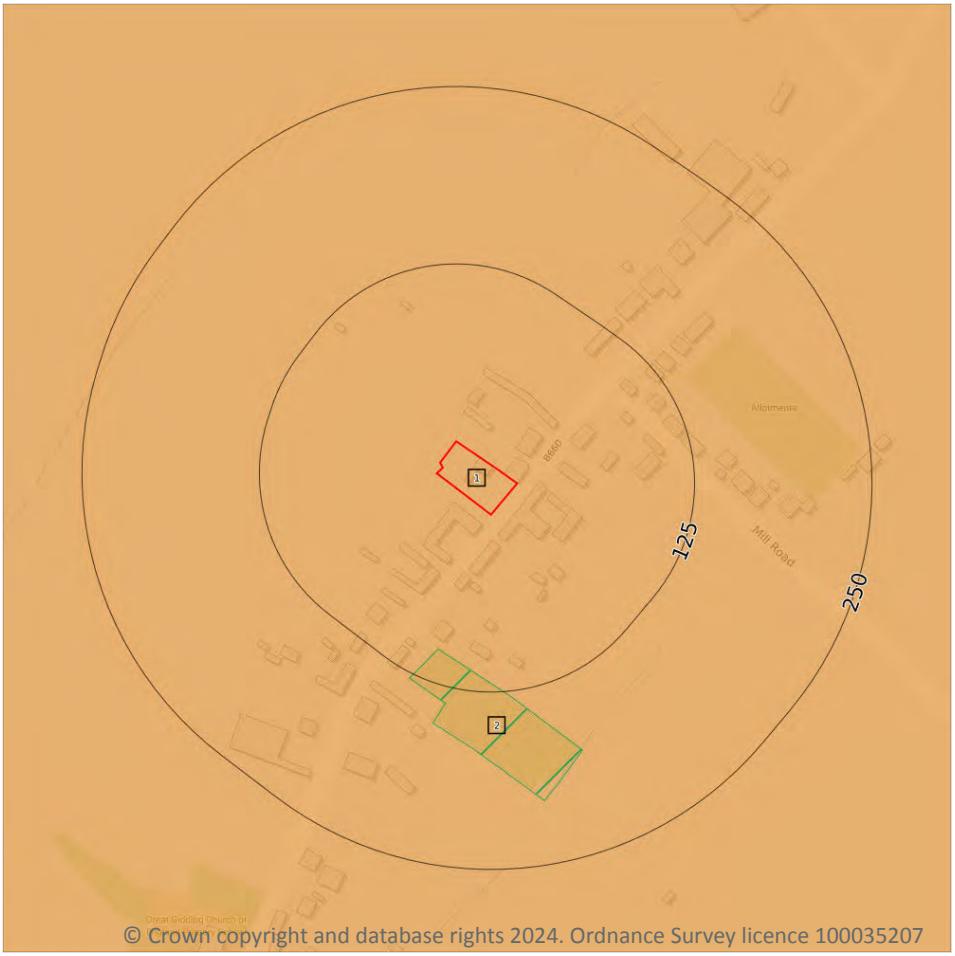
## 11.7 Registered Parks and Gardens

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

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

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

# 12 Agricultural designations




Site Outline

Search buffers in metres (m)

- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

## 12.1 Agricultural Land Classification

| Records within 250m | 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 57 >**

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

*This data is sourced from Natural England.*

## 12.2 Open Access Land

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

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

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

## 12.3 Tree Felling Licences

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

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

Features are displayed on the Agricultural designations map on **page 57 >**

| ID | Location | Description | Reference | Application date |
|---|---|---|---|---|
| 2 | 102m S | Clear Fell (Conditional) | 017/243/01-02 | 30/05/2002 |

*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 | 0 |
|---|---|

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

*This data is sourced from Natural England.*

## 13.2 Habitat Networks

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

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

*This data is sourced from Natural England.*

## 13.3 Open Mosaic Habitat

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

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

*This data is sourced from Natural England.*

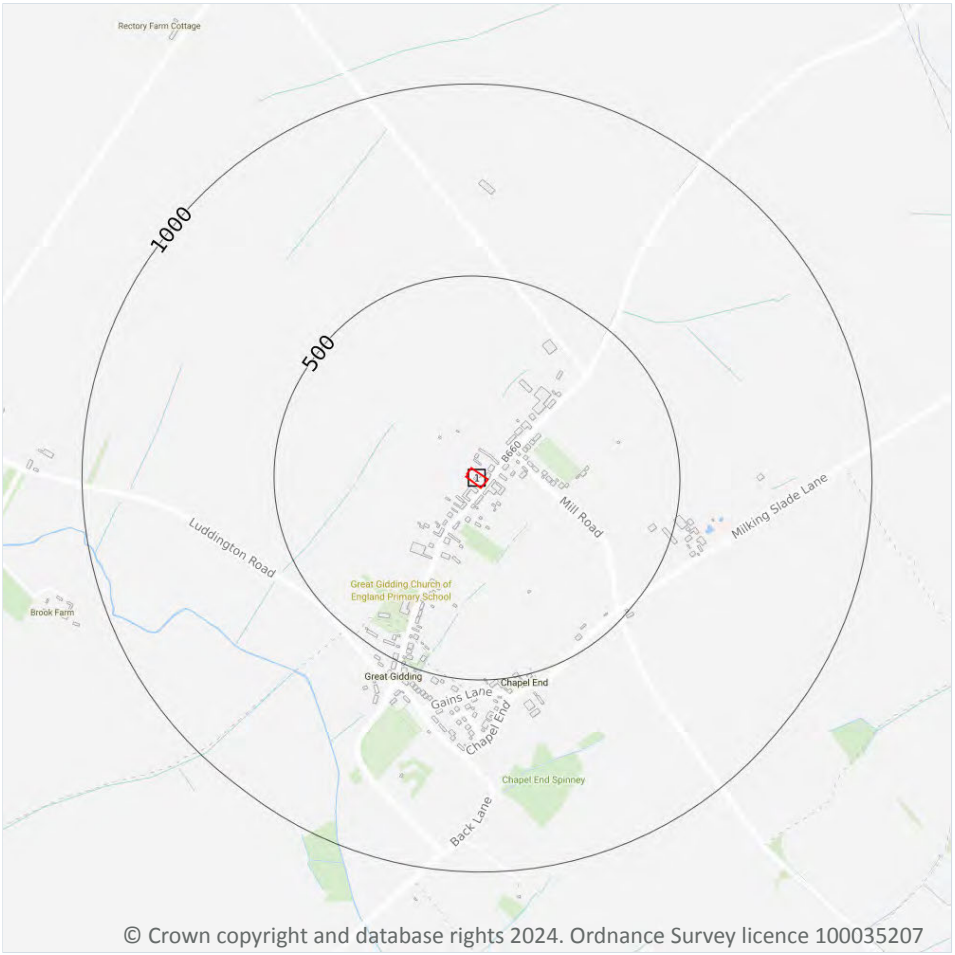
## 13.4 Limestone Pavement Orders

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

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

*This data is sourced from Natural England.*

# 14 Geology 1:10,000 scale - Availability




Site Outline

Search buffers in metres (m)

Full coverage

Partial coverage

No coverage

## 14.1 10k Availability

| Records within 500m | 1 |
|---|---|

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

Features are displayed on the Geology 1:10,000 scale - Availability map on **page 60 >**

| 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.*

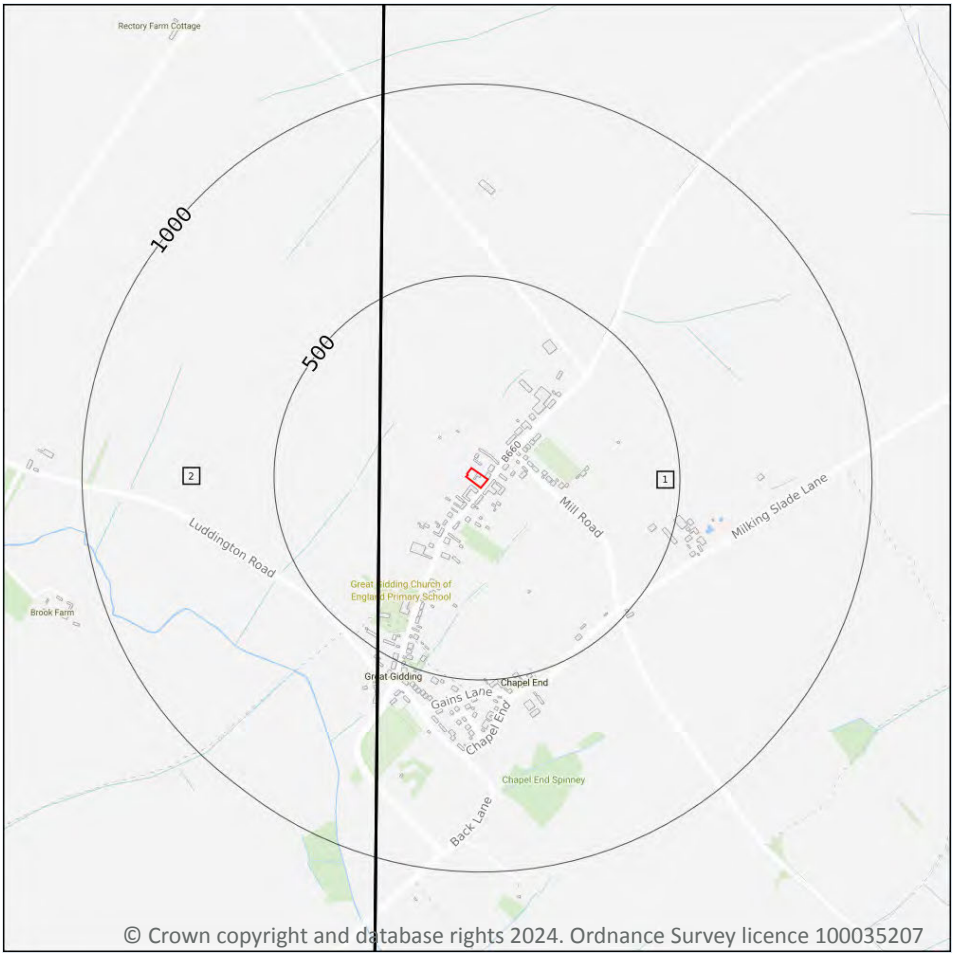
## 14.6 Bedrock faults and other linear features (10k)

| 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 | 2 |
|---|---|

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 64 >**

| ID | Location | Artificial | Superficial | Bedrock | Mass movement | Sheet No. |
|---|---|---|---|---|---|---|
| **1** | **On site** | **Full** | **Full** | **Full** | **No coverage** | **EW172_ramsey_v4** |
| 2 | 226m W | Full | Full | Full | Full | EW171_kettering_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.*

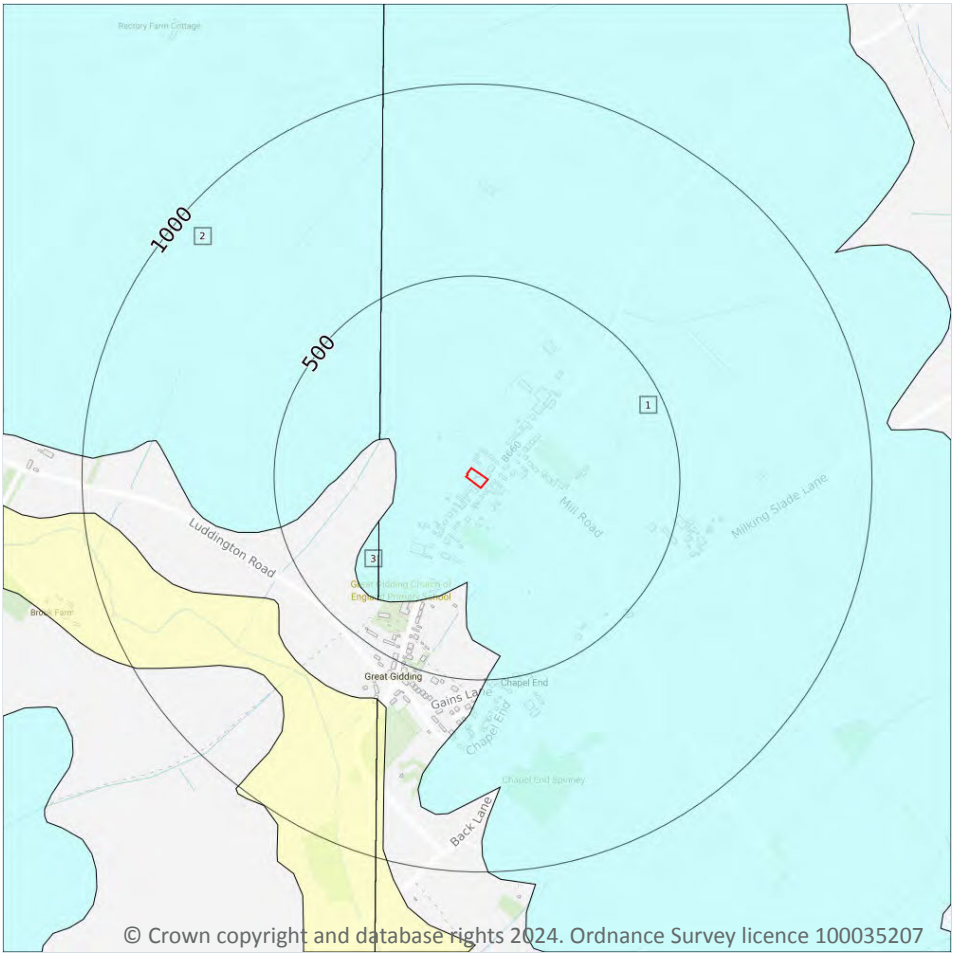
## 15.3 Artificial ground permeability (50k)

| 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 | 3 |
|---|---|

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 66 >**

| ID | Location | LEX Code | Description | Rock description |
|---|---|---|---|---|
| **1** | **On site** | **ODT-DMTN** | **OADBY MEMBER** | **DIAMICTON** |
| 2 | 245m W | ODT-DMTN | OADBY MEMBER | DIAMICTON |
| 3 | 255m SW | ODT-DMTN | OADBY MEMBER | DIAMICTON |

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

## 15.5 Superficial permeability (50k)

| Records within 50m | 1 |
|---|---|

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

| Location | Flow type | Maximum permeability | Minimum permeability |
|---|---|---|---|
| **On site** | **Mixed** | **Moderate** | **Low** |

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

## 15.6 Landslip (50k)

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

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

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

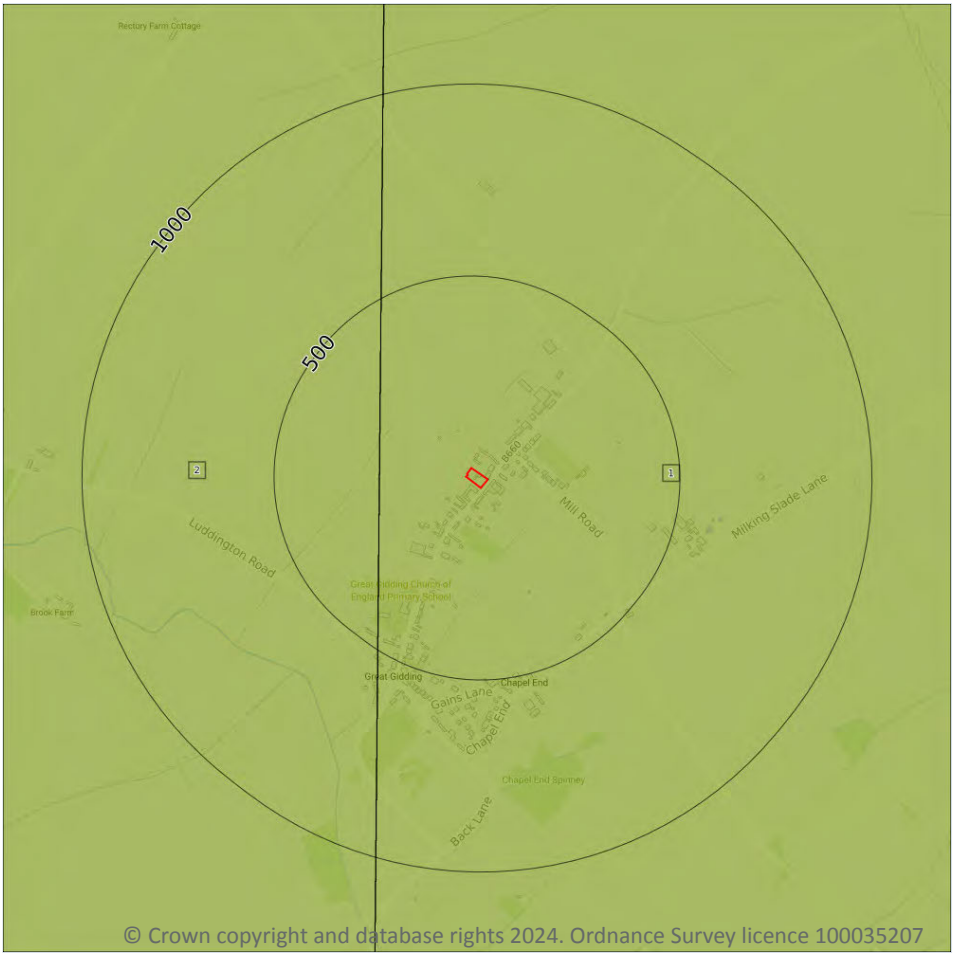
## 15.7 Landslip permeability (50k)

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

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

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

# Geology 1:50,000 scale - Bedrock




Site Outline

Search buffers in metres (m)

Bedrock faults and other linear features (50k)

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

## 15.8 Bedrock geology (50k)

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

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 68 >**

| ID | Location | LEX Code | Description | Rock age |
|---|---|---|---|---|
| **1** | **On site** | **OXC-MDST** | **OXFORD CLAY FORMATION - MUDSTONE** | **CALLOVIAN** |
| 2 | 225m W | OXC-MDST | OXFORD CLAY FORMATION - MUDSTONE | CALLOVIAN |

*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** | **Low** | **Very Low** |

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

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

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

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

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

# 16 Boreholes

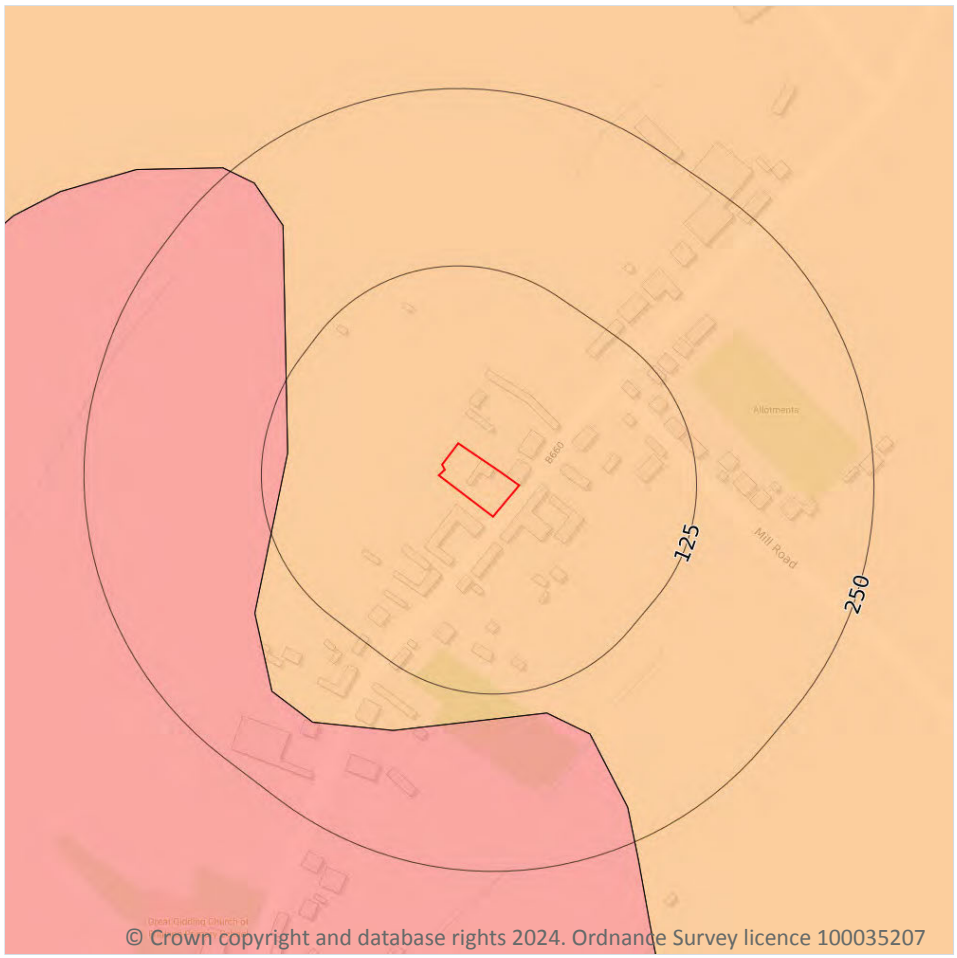
## 16.1 BGS Boreholes

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

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

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

# 17 Natural ground subsidence - Shrink swell clays




Site Outline

Search buffers in metres (m)

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

## 17.1 Shrink swell clays

| Records within 50m | 1 |
|---|---|

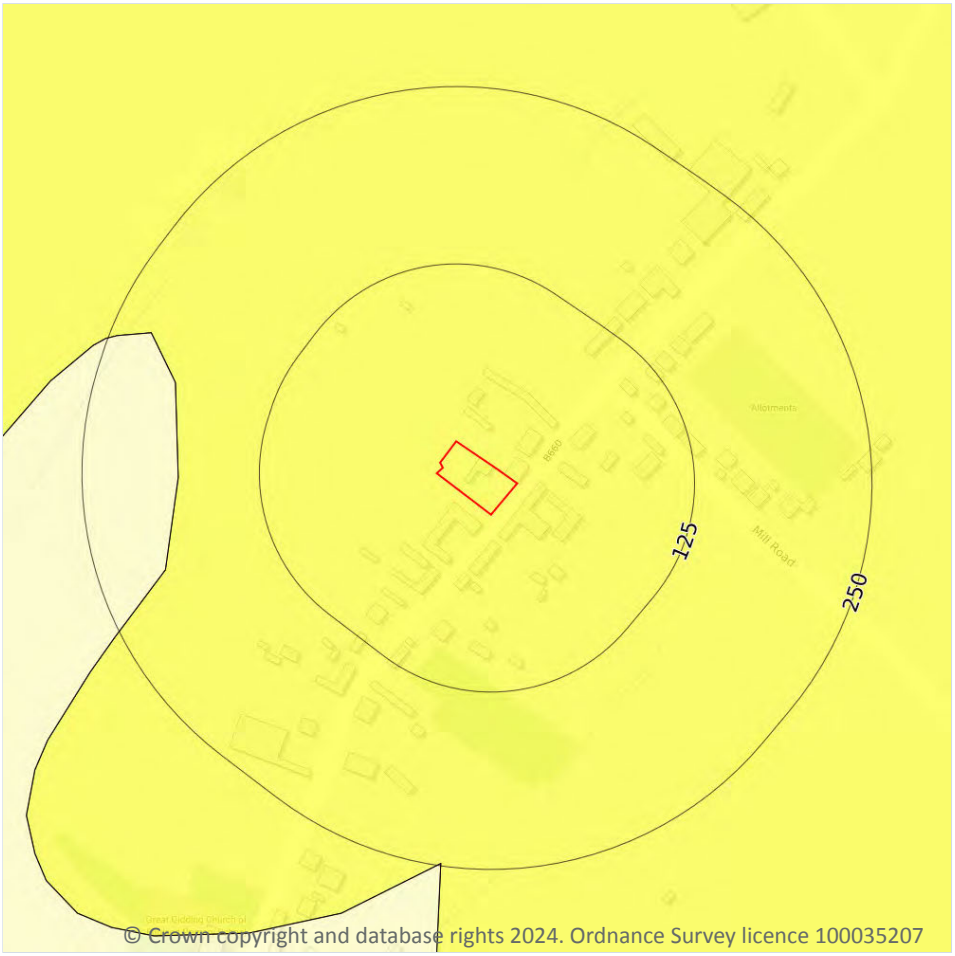
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 71 >**

| Location | Hazard rating | Details |
|---|---|---|
| **On site** | **Low** | **Ground conditions predominantly medium plasticity.** |

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

# Natural ground subsidence - Running sands




Site Outline

Search buffers in metres (m)

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

## 17.2 Running sands

| Records within 50m | 1 |
|---|---|

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

Features are displayed on the Natural ground subsidence - Running sands map on **page 72 >**

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

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

# Natural ground subsidence - Compressible deposits




Site Outline

Search buffers in metres (m)

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

## 17.3 Compressible deposits

| Records within 50m | 1 |
|---|---|

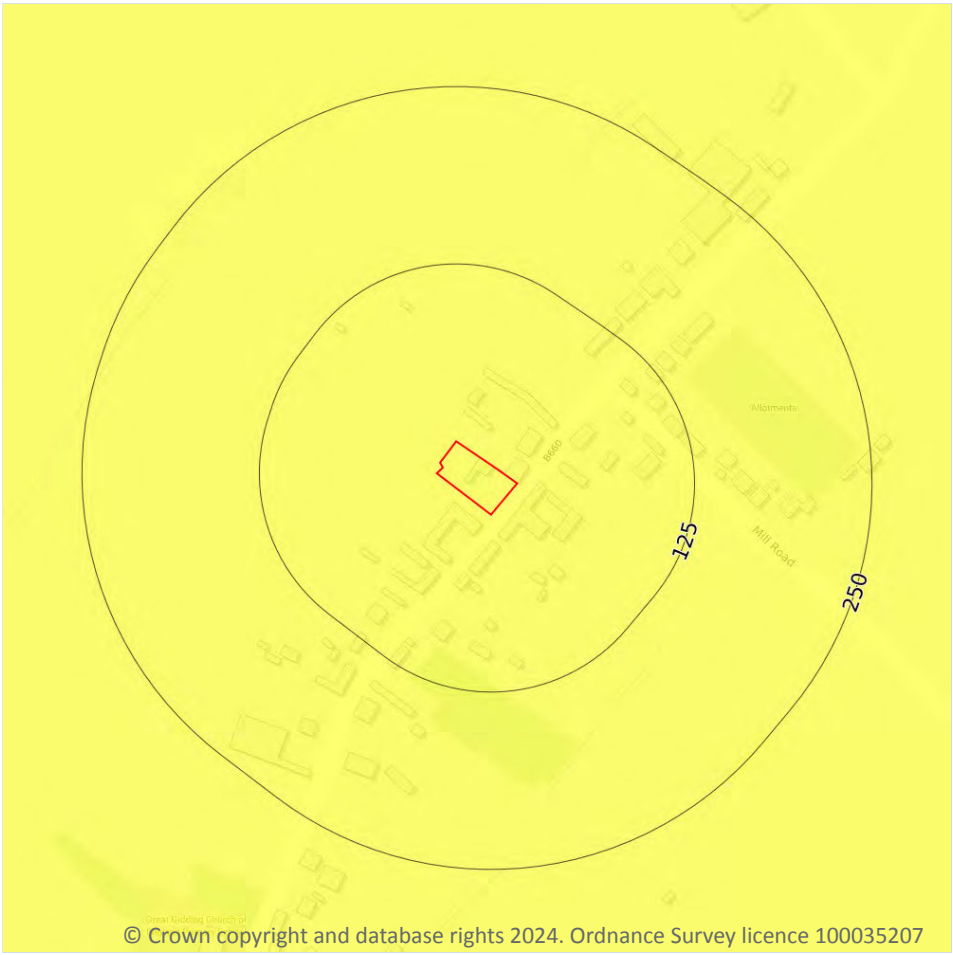
The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 73 >**

| 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




Site Outline

Search buffers in metres (m)

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

## 17.4 Collapsible deposits

| Records within 50m | 1 |
|---|---|

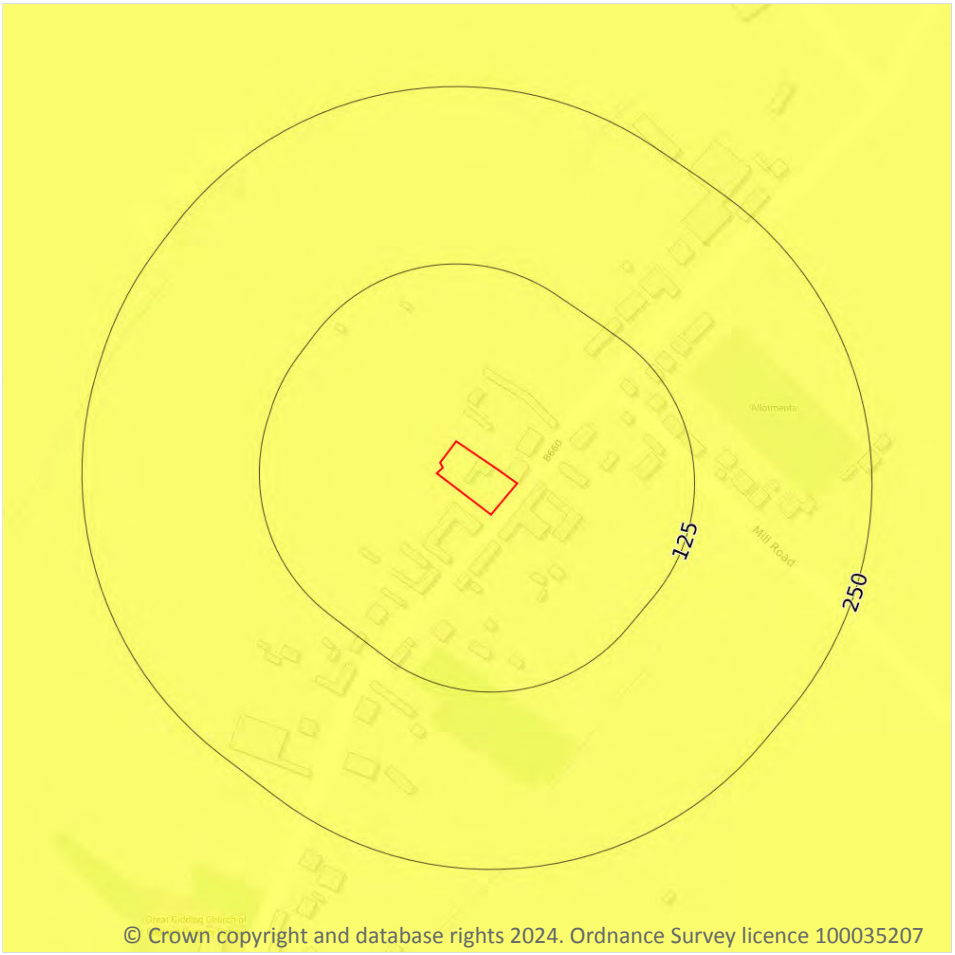
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 74 >**

| 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

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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 75 >**

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

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

# Natural ground subsidence - Ground dissolution of soluble rocks




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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 |
|---|---|

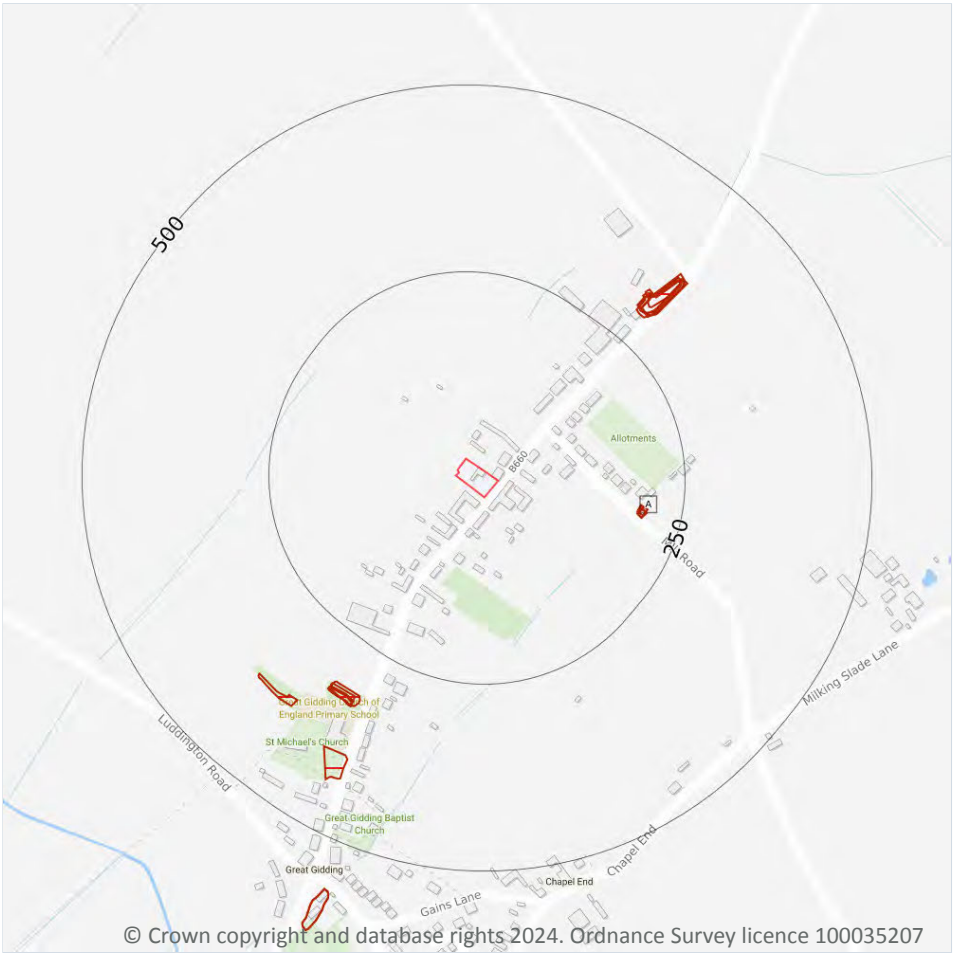
The potential hazard presented by ground dissolution, which occurs when water passing through soluble rocks produces underground cavities and cave systems. These cavities reduce support to the ground above and can cause localised collapse of the overlying rocks and deposits.

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 76 >**

| 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 | 0 |
|---|---|

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.

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

## 18.2 Surface ground workings

| Records within 250m | 3 |
|---|---|

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 78 >**

| ID | Location | Land Use | Year of mapping | Mapping scale |
|---|---|---|---|---|
| A | 191m E | Reservoir | 1950 | 1:10560 |
| A | 191m E | Reservoir | 1924 | 1:10560 |
| A | 192m E | Reservoir | 1950 | 1:10560 |

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

## 18.3 Underground workings

| Records within 1000m | 0 |
|---|---|

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

*This 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 | 0 |
|---|---|

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

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

## 18.7 JPB mining areas

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

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

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

## 18.8 The Coal Authority non-coal mining

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

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

*This data is sourced from The Coal Authority.*

## 18.9 Researched mining

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

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

*This data is sourced from Groundsure.*

## 18.10 Mining record office plans

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

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

*This data is sourced from Groundsure.*

## 18.11 BGS mine plans

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

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

*This data is sourced from Groundsure.*

## 18.12 Coal mining

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

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

*This data is sourced from the Coal Authority.*

## 18.13 Brine areas

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

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

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

## 18.14 Gypsum areas

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

Generalised areas that may be affected by gypsum extraction.

*This data is sourced from British Gypsum.*

## 18.15 Tin mining

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

Generalised areas that may be affected by historical tin mining.

*This data is sourced from Groundsure.*

## 18.16 Clay mining

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

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

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

# 19 Ground cavities and sinkholes

## 19.1 Natural cavities

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

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

*This data is sourced from Stantec UK Ltd.*

## 19.2 Mining cavities

| Records within 1000m | 0 |
|---|---|

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

*This data is sourced from Stantec UK Ltd.*

## 19.3 Reported recent incidents

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

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

*This data is sourced from Groundsure.*

## 19.4 Historical incidents

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

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

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

*This data is sourced from Groundsure.*

## 19.5 National karst database

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

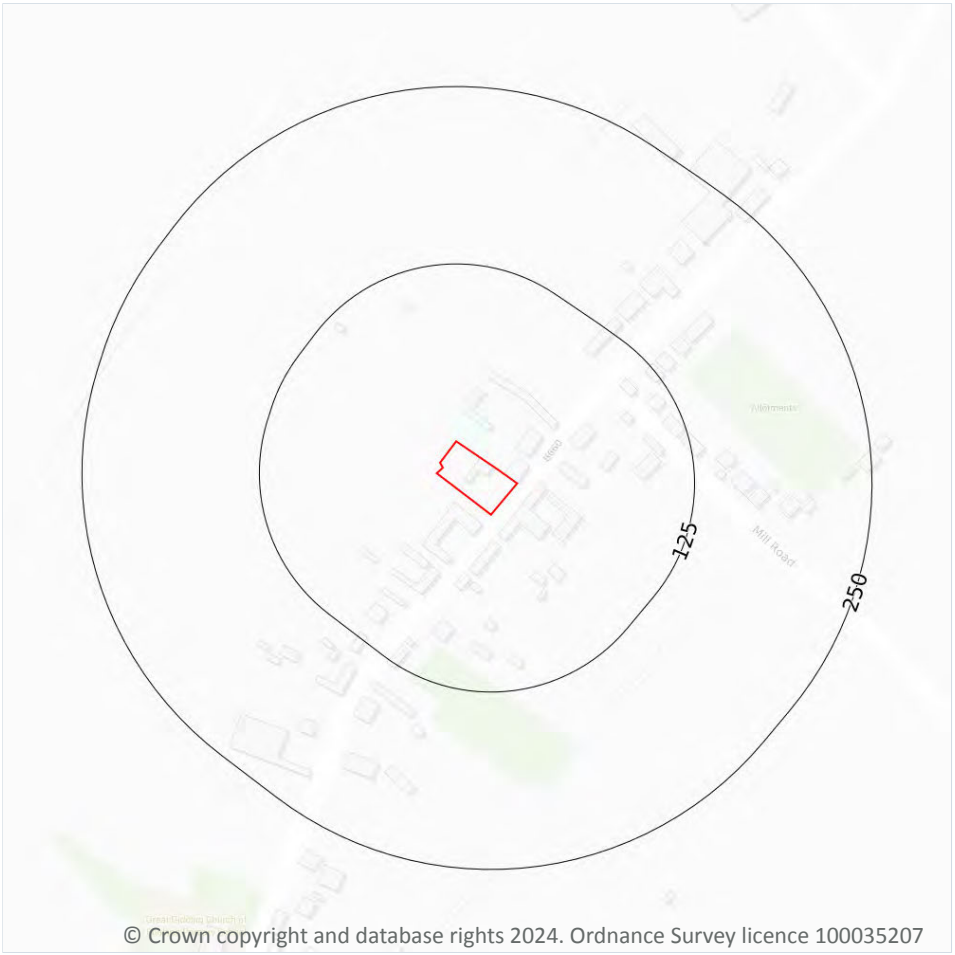
This is a comprehensive database of national karst information gathered from a wide range of sources. BGS have collected data on five main types of karst feature: Sinkholes, stream links, caves, springs, and incidences of associated damage to buildings, roads, bridges and other engineered works.

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




Site Outline

Search buffers in metres (m)

- Greater than 30%
- Between 10% and 30%
- Between 5% and 10%
- Between 3% and 5%
- Between 1% and 3%
- Less than 1%

## 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 85 >**

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

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

# 21 Soil chemistry

## 21.1 BGS Estimated Background Soil Chemistry

| Records within 50m | 2 |
|---|---|

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 $km^2$. 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 $km^2$; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

| Location | Arsenic | Bioaccessible Arsenic | Lead | Bioaccessible Lead | Cadmium | Chromium | Nickel |
|---|---|---|---|---|---|---|---|
| **On site** | **15 - 25 mg/kg** | **No data** | **100 mg/kg** | **60 mg/kg** | **1.8 mg/kg** | **60 - 90 mg/kg** | **30 - 45 mg/kg** |
| **On site** | **15 - 25 mg/kg** | **No data** | **100 mg/kg** | **60 mg/kg** | **1.8 mg/kg** | **60 - 90 mg/kg** | **30 - 45 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 $km^2$).

*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 $km^2$.

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

# 22 Railway infrastructure and projects

## 22.1 Underground railways (London)

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

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

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

## 22.2 Underground railways (Non-London)

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

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

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

## 22.3 Railway tunnels

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

Railway tunnels taken from contemporary Ordnance Survey mapping.

*This data is sourced from the Ordnance Survey.*

## 22.4 Historical railway and tunnel features

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

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

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

## 22.5 Royal Mail tunnels

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

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

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

## 22.6 Historical railways

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

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

*This data is sourced from OpenStreetMap.*

## 22.7 Railways

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

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

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

## 22.8 Crossrail 2

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

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

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

## 22.9 HS2

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

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

*This data is sourced from HS2 ltd.*

## Data providers

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

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