

Phase I Geo-Environmental Desk Study

Land at Southampton Road and Junction Road

HSP2023-C4363-G-GPI-1947

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Land at Southampton Road and Junction Road, Alderbury, Salisbury, SP5 3AG

Phase I Geo-Environmental Desk Study Report

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Executive Summary

HSP Consulting Engineers Ltd has been commissioned Formula Land Ltd to provide technical studies to provide a preliminary assessment of potential ground related redevelopment constraints and to support a planning application. The geo-environmental desk study (Phase I) is one of a series of studies providing information on likely constraints to the development of the site.

The site is currently occupied by open fields. The topography of the site is sloping down towards the north. It is accessed from Southampton Road, covers an area of c.4.51Ha and is approximately centred at NGR 419007, 127271.

The site was undeveloped from the earliest mapping available in 1872 and has remained this way up until present day. The surrounding land use has been predominantly open fields for agricultural use up until. The mid-20th century where many residential buildings surround the site are noted, this is the same as present day.

No Made Ground is recorded on relevant BGS mapping.

The site is shown to be underlain by the bedrock geology the Wittering Formation – Sand, Silt and Clay. There are no superficial deposits recorded on site from the BGS.

The BGS hazard rating has identified the potential for shrinking and swelling clay as a moderate risk.

The bedrock geology is classified as a Secondary A Aquifer. The bedrock geology vulnerability is classified as having a high vulnerability. There are no superficial deposits on site. The site is not located within a Source Protection Zone and no potable groundwater abstraction licenses have been recorded within a 1km radius of the site.

The site does not lie within an Environment Agency Zone 2 or Zone 3 floodplain and is not at risk from flooding from Rivers or Sea. There is 1 in 100 year, 0.3 – 1.0m risk to the site from surface water and low risk from groundwater flooding.

The site is located within an area which has a low risk for radon. No radon protection measures are required for any new development.

The Preliminary Conceptual Site Model indicates a low possibility that harm could arise to a designated receptor from identified hazards.

The executive summary contains an overview of key findings and conclusions. However, no reliance should be placed on the executive summary until the whole of the report has been read. Other sections of the report may contain information which puts into context the findings noted within the executive summary.



1. Introduction

1.1 Background

This report has been prepared to support a planning application. The site location plan is included within Appendix I. It is understood that the report is to inform the redevelopment of the existing site to support a residential end use (residential properties).

1.2 Scope and Limitations

HSP Consulting Engineers Ltd has been commissioned by Formula Land Ltd to provide technical studies to support a planning application. The geo-environmental desk study (Phase I) is one of a series of studies providing information on likely constraints to the redevelopment of the site. The purpose of the report is to collate background historical and geo-environmental data to address where possible land contamination and stability matters within Planning Policy Guidance.

The recommendations made in this report are based on the assessment of the published information and information provided by the Client.

1.3 Report Objectives

The objectives of this report are to:

- Establish the geological and hydrogeological conditions using existing available/published information.
- Summarise available information and identify site specific geotechnical and environmental hazards which may place a constraint upon the proposed site use.
- Produce a Conceptual Site Model and preliminary qualitative environmental risk assessment identifying potential pollution linkages between sources of contamination, pathways and receptors.
- Provide recommendations for Phase II Ground Investigation and any other assessments required.

1.4 Sources of Information

The following sources of information were used during the preparation of this report.

- Emapsite™ Groundsure Enviro and Geo Insight Ref: EMS_909430_1159939
- Emapsite™ Groundsure Historical Mapping Ref: EMS_909430_1159938
- British Geological Survey. Onshore Geoindex. www.bgs.ac.uk
- Department of the Environment Industry Profiles.
- BGS 1:50,000 Mapping Sheet number 298, Salisbury, 2005.
- Google Earth Historical Imagery

A walkover was undertaken by HSP Consulting Engineers Ltd on 5th of December 2023. The purpose of the walkover was to record the current land use, topography, and principal physical features and to identify, where possible, visual and olfactory indicators of

contamination. A selection of photographs from the walkover can be found within Appendix V.

2. Site Setting

2.1 The Site

2.1.1 Location

The site is located on Southampton Road, approximately 5km southeast of Salisbury city centre. The main site access is via Southampton Road which runs adjacent to the southern boundary of the site.

The approximate National Grid Reference for the site is (NGR) 419007, 127271. A Site Location Plan is included in Appendix I.

2.1.2 Description

A site walkover was conducted by HSP Consulting Engineers Ltd on 5th December 2023.

The site is irregular in shape and contains two large open fields which have been primarily used for agricultural use occupying an area of c. 4.51 Ha.

The site is located on Southampton Road which is occupied by open fields. At the time of writing the report there is no topographical survey available for the site, but based on Google Earth imagery the site is shown to fall from 87m AOD to 69m AOD from southwest to northeast. The accuracy may be skewed due to the vegetation on site affecting the accuracy of the mapping.

The site is comprised of two large open fields and associated vegetation and mature trees. The site can be split between the left field and the right field looking north. Access can be gained from Southampton Road by a metal gate onto a small area of hardstanding which is fenced off from the open fields. Another metal gate gains access to the first field which contains predominantly short grass and trees/brambles which segregate the other field with an open section for vehicle access. There is a mound of vegetation in the first field, in the centre, and the northern side of the field is heavily saturated with water apparent at the surface in some locations, this made some of the centre inaccessible.

The second field was similar with the first as it contained short grass. The north of this field was heavily saturated. A monitoring well was found near the opening to the second field which was in disrepair. There is a section of dense wooded area in the northwest of site which was inaccessible. A small drain was seen to be running across the northern boundary of the site and a second was seen to be running parallel to the eastern boundary.

The northern boundary is defined by a small metal fence with mature trees and vegetation which separates the site from a field, the eastern boundary is defined by a small metal fence with trees and vegetation, separating Junction Road/residential housing from the site. The

southern boundary by a small metal fence with trees and vegetation and separates the site from Southampton Road. To the west there is small wooden fence with mature trees and lots of vegetation which separates the site from the Oakwood Grove housing estate.

2.1.3 Surrounding Land Use

The main features of interest identified are:

North: Open pastureland with the A36 beyond.

East: Residential properties with junction road and Alderbury FC beyond.

South: Residential properties and Southampton Road and more residential properties beyond.

West: Housing estate with Clarendon Road beyond.

2.1.4 Proposed End Use

The report is to inform a planning application for the redevelopment of the site into new housing estate.

2.2 Geology

2.2.1 Made Ground

There are two records of Made Ground or Infilled Land recorded within 250m of site on relevant BGS mapping. The closest record relates to 71m east and is described as worked ground (undivided) and 82m east as Made Ground (undivided).

2.2.2 Superficial Deposits

The BGS mapping does not show the site to be underlain by any superficial deposits.

2.2.3 Bedrock Geology

BGS bedrock mapping indicates the site is underlain by the Wittering Formation – Sand, Silt and Clay of the Paleogene Period, described by the BGS as *'Greyish brown laminated clay; wavy- to lenticular-bedded sand interbedded with clay in equal proportions; and fine- to medium-grained sparsely glauconitic sand.'*

2.2.3 Structural Geology

There are no faults or structural features identified within 250m of the site boundary.

2.2.4 Historical Boreholes

According to BGS mapping one borehole record has been identified within 250m of the site. The borehole is located 52m east. The pertinent borehole record has been summarised in Table 2.1 below.

Table 2.1 - Summary of Historical BGS Borehole Information

BGS Reference	Summary of Ground Conditions	
SU12NE117 52m East	Drilled by: N/A Date: 21/07/1970 Method: Shell + Auger	GL – 0.39m – MADE GROUND (Dense clayey sandy gravel) 0.39 – 1.22m – Loose soft brown sandy SILT 1.22 – 1.98m – Loose brown/blue SILT 1.98 – 6.10m – Firm becoming stiff grey very silty sandy CLAY

2.2.5 Geological Hazard Ratings

The Emapsite™ Insight Report provides ground stability data for the site and surrounding area, a summary is provided in Table 2.2 below:

Table 2.2 - Summary of BGS Hazard Ratings

Hazard	Located	Max Hazard Potential
Potential for Collapsible Rocks Stability Hazards	On-site	Very Low
Potential for Landslide Ground Stability Hazards	On-site	Very Low
Potential for Ground Dissolution Stability Hazards	On-site	Negligible
Potential for Compressible Ground Stability Hazards	On-Site	Negligible
Potential for Running Sand Ground Stability Hazards	On-site	Very Low
Potential for Shrinking or Swelling Clay Ground Stability Hazards	On-site	Moderate

2.3 Mining

2.3.1 Natural Cavities

No natural cavities, mining cavities or sinkholes have been recorded within a 250m radius of the site.

2.3.2 BGS Mineral Sites

There are no BGS BritPit records within a 250m radius of the site.

2.3.3 Surface Ground Workings

There are four surface ground workings within 250m of the site. There are more recorded but relate to the same point source. The closest records relate to cuttings (107m east) and the other three relates to unspecified heaps (119m W; 131mSW) and cuttings 221m northeast.

2.3.4 Brine Extraction

No Brine Extraction Areas have been identified within a 250m radius of the site.

2.3.5 Non-Coal Mining

No non-coal mining activity has been recorded within the 250m of site.

2.3.6 Coal Mining

The site is not located in a Coal Mining Reporting Area.

2.4 Hydrogeology

2.4.1 Aquifer Units

The bedrock geology is classified as a Secondary A Aquifer, described by the Environment Agency as *'permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers'*. There are no superficial deposits on site.

2.4.2 Groundwater Vulnerability

The site does not lie within a source protection zone.

The bedrock geology underlying the site has a groundwater vulnerability classification of high.

The groundwater quality record was given an overall rating of good in 2019.

2.4.3 Groundwater Abstractions

There are no groundwater abstraction licenses within a 500m radius of the site boundary. In addition, there are no potable groundwater abstraction licenses within 1km radius of the site boundary.

2.4.4 Groundwater Discharge Consents

There are no groundwater discharge consents within 250m of the site.

2.5 Hydrology

2.5.1 Nearest Surface Water Course

There are seven recorded surface water features within 250m of the site boundary. The closest three are on site and these records relate to inland river not influenced by normal tidal action. The other off-site records relate to inland river not influenced by normal tidal action.

2.5.2 Surface Water Quality

There are no surface water quality records within 250m of the site boundary.

2.5.3 Surface Water Abstractions

No surface water abstraction licenses have been recorded within 250m of the site boundary.

2.5.4 Surface Water Discharge Consents

One surface water discharge consent has been recorded within 250m of the site boundary. This relates to a record on site to discharge to surface water and was classed as miscellaneous and has been revoked since 1991.

2.6 Flood Risk

The risk to the site from surface water flooding is classed as having a highest risk on site as 1 – 100 year, 0.1m – 0.3m flood.

The site is recorded to have low risk from groundwater flooding.

The site is not at risk from flooding from Rivers and Seas (RoFRaS).

The site is not located within an Environment Agency Zone 2 or Zone 3 floodplain.

The site does not lie within an area benefitting from flood defences or within an area used for flood storage.

Although this report provides some information on flood risk, this does not constitute a flood risk assessment for the site. The flood risk information provided only relates to flooding from Rivers or Seas and surface water. It does not account for flooding from other sources such as blockages in drainage systems and artificial water features.

2.7 Radon

The site is located in an area where less than 1% of properties exceed the Radon Action Level (Low Risk). Radon protection measures are not required for any new development on the site.

2.8 Sensitive Land Uses, Ecological and Statutory Designations

The site is located within a SSSI Impact Risk Zone which requires consultation for all types of planning applications with certain threshold criteria applying, e.g., for a residential development consultation is only required for >100 units.

The site is located within a Nitrate Vulnerable Zone.

A conservation area is located 230m west of site and is named Alderbury in the Wiltshire district and was designated in 1980.

There are fifteen records of habitat inventory within 250m. The closest record relates to deciduous woodland on site. The other remaining records are all for deciduous woodland within 250m.

No other records of sensitive land use (SAC, Ancient Woodland, Nature Reserves, Environmentally Sensitive Areas, A Green Belt etc) have been identified within a 250m radius of the site.

3. Site History

The following section details the historical development of the site, with reference to historical Ordnance Survey maps. All distances are approximate and given from the site boundary. Descriptions in italics are as identified on the historical plans. For a complete list of maps consulted refer to the Emapsite™ Historical Mapping presented in Appendix III.

Table 3.1 - Summary of Historical Maps

Published Map Date & Scale	Land Use on Site	Surrounding Land Use
Date: 1872 - 1901 Scale: 1:2,500 1:10,560 County Series	The site appears to be open fields and is undeveloped. A spring is noted on the site in the northwest corner.	Railway 120m to the northeast. Open fields to the north with the railway beyond and east and west are also open fields with a road immediately to the south. Railway buildings 60m northeast near <i>Alderbury Junction</i> . An <i>old canal</i> is present c.400m southeast of the site (filled in by 1900 mapping).
Date: 1924 - 1937 Scale: 1:2,500 1:10,560 County Series	No significant change.	<i>Allotment Gardens</i> noted immediately to the east. Few residential buildings constructed immediately south. Residential development 150m northwest. A pump is noted c. 100m to the northeast of the site, beyond the railway.
Date: 1962 – 1975 Scale: 1:2,500 1:10,000 1:10,560 National Grid	No significant change.	Residential development immediately south and beyond. Railway buildings northeast now noted as <i>Railway Cottages</i> . Residential development to the west. By 1975 a drain is noted to run along the northern boundary of the site, and it flows to the east.
Date: 1983 – 1993 Scale: 1:2,500 1:10,000 National Grid	No significant change.	Residential housing estate <i>Oakwood Grove</i> immediately to the west of site (1987 mapping) which expands over time (1993 mapping). <i>Gravel pit</i> noted 203m west. 50m north of site is the A36. <i>School</i> noted 245m to the east and a <i>playing field</i> east across junction road immediately from site.
Date: 2001 – 2023 1:1,250 1: 10,000 Landline National Grid	No significant change.	<i>Substation</i> noted 84m west. Road Immediately south is now noted as <i>Southampton Road</i> The school 240m east is now noted <i>Alderbury and West Grimstead School</i> .

4. Environmental Data

4.1 Polluting Activity

4.1.1 Pollution Incidents

There are no records of pollution incidents within 250m of the site boundary.

4.2 Licensed Industrial Activity

4.2.1 Control of Major Accidents Hazards (COMAH)

There are no records within 250m of the site for historical COMAH and Notification of Installations Handling Hazardous Substances (NIHHS).

4.2.2 Licensed Sites

There are no records of licensed pollutant release within 250m of the site.

There are no Registered Radioactive Substance Licences recorded within 250m of the site.

4.2.3 Industrial Activities

There are two recent recorded licensed industrial activities within 250m of the site. The closest is the telephone exchange 19m east and an electrical substation 87m west.

There are nine historical industrial activities recorded within 250m of the site boundary. More are recorded but relate to the same source point. The closest is a railway building 52m east, substation 84m west, cuttings 107m west and another railway building 119m northeast. Other records relate to unspecified heaps and more railway buildings.

4.2.4 Fuel Stations & Tanks

No fuel stations are recorded within a 250m radius of the site.

One historical tank is present within 250m of the site boundary. This record is “unspecified” and is 57m west of site.

No historical or active garages are recorded within a 250m radius of the site.

4.3 Waste and Material Storage Locations

4.3.1 Landfill

There is one record of an Historical (closed) Landfill Site recorded within a 250m radius of the site. This is a borrow pit and is located 203m northwest. There is no information on the input material available.

4.3.2 Waste Sites

No waste sites are recorded within 250m of the site boundary.

4.3.3 Waste Exemptions

Two waste exemption records are recorded within 250m of the site boundary. The closest record is 64m southeast of site and is described as the use of waste in construction. The second is 139m south for burning waste in the open.

4.4 Summary

Based on the information collated for the desk study, the geo-environmental setting of the site is summarised as follows:

- The site was undeveloped from the earliest mapping available in 1872 and has remained this way up until present day. The surrounding land use has been predominantly open fields for agricultural use up until. The mid-20th century where many residential buildings are noted, and this is the same as present day.
- No Made Ground is recorded on site with relevant BGS mapping.
- The site is shown to be underlain by the bedrock geology of the Wittering Formation – Sand, Silt and Clay. There are no superficial deposits recorded on site from the BGS.
- The BGS hazard rating has identified the potential for shrinking and swelling clay as a moderate risk.
- The bedrock geology is classified as a Secondary A Aquifer. The bedrock geology vulnerability is classified as having a high vulnerability. There are no superficial deposits on site.
- The site does not lie within an Environment Agency Zone 2 or Zone 3 floodplain and is not at risk from flooding from Rivers or Sea. There is 1 in 100 year, 0.1m – 0.3m risk to the site from surface water and low risk from groundwater flooding.
- The site is not located within a Source Protection Zone and no potable groundwater abstraction licenses have been recorded within a 1km radius of the site.
- The site is located in an area where less than 1% of properties exceed the Radon Action Level (Low Risk). Radon protection measures are not required for new developments on the site.
- There is a Historical (closed) Landfill Site recorded 203m northwest of the site..

Based on the above, the environmental sensitivity of the site can be considered to be Low at this stage.

5. Preliminary Conceptual Site Model (PCSM)

5.1 Introduction

The approach to the human health risk assessment reported here follows the principles given in the Land Contamination Risk Management (LCRM) Guidance <https://www.gov.uk/government/publications/land-contamination-risk-management-lcrm> i.e. application of the following assessment hierarchy:

The basis of above guidance is the development of the conceptual site model (CSM) which is the representation of the source-pathway-receptor (pollutant) linkages upon which the assessment of risk can be based.

5.2 Risk Assessment Approach

The approach to the human health risk assessment reported here follows the principles given in LCRM guidance, i.e. application of the following assessment hierarchy:

- Tier 1 risk screening by establishment of potential pollutant linkages, i.e. the preliminary conceptual site model (PCSM), or
- Tier 2 generic quantitative assessment using generic assessment criteria (GACs) that represent 'acceptably low' risk, or
- Tier 3 quantitative risk assessment using site specific assessment criteria (SSACs) that represent 'unacceptable risk', or where generic assessment criteria are not available, or they are not applicable to the CSM.

The potential sources of contamination based on historical and current land uses were identified using the Emapsite™ Enviro + Geo Insight Report and Emapsite™ Historical Mapping (Appendix II & III). The standard exposure scenario of residential with home grown produce end use has been used to identify potential exposure pathways for human health receptors. Controlled water, flora and fauna and property receptors have also been included within the PCSM.

5.3 Preliminary Conceptual Site Model

The PCSM was produced by undertaking a Source-Pathway-Receptor analysis of the site:

Sources (**S**) are potential or known contaminant sources, e.g. a former land use:

Pathways (**P**) are environmental systems through which a contaminant could migrate, e.g. air, groundwater.

Receptors (**R**) are sensitive environmental receptors that could be adversely affected by a contaminant, e.g. Site Occupiers, groundwater resources.

For a pollutant linkage to exist between a contaminant source and a receptor, a pathway must be present.

5.3.1 Sources

The potential and plausible sources of contamination within 250m of the site and associated groups of potentially contaminative substances are outlined below. The list of potential contaminants was derived from the Department of the Environment Industry Profiles and professional judgement thereon. The activities and substances listed below should not be considered exhaustive and provides a guide to the likely range of contaminants which plausibly may be present.

On Site

S1: Historical and Contemporary land use: Reworked Natural Ground associated with agricultural land use (expected to be limited in extent).
Inorganic and organic contaminants including heavy metals, metalloids, asbestos, pesticides, TPH's, and PAH's

Off Site

S2: Historical and Contemporary land use: Made Ground associated with residential development and Railway Land.
Inorganic and organic contaminants including heavy metals, metalloids, asbestos, TPH's, PAH's, asbestos.

S3: Historical and Contemporary land use: Electrical Substation (expected to be limited in extent).
Inorganic and organic contaminants including heavy metals, metalloids, asbestos, TPH's, PCB's and PAH's.

On and Off-Site

S4: Historical and Contemporary land use: Ground Gases generated from Made Ground/Historic Landfill
Carbon Dioxide and Methane.

5.3.2 Pathways

The site is underlain by the bedrock geology of the Wittering Formation – Sand, Silt and Clay, classified as a Secondary A Aquifer.

P1: Human uptake;

- Dermal contact with soils and dust
- Ingestion of soils and dust
- Inhalation of soils, dust and vapour

P2: Horizontal and vertical migration of contaminants through potentially permeable soils.

P3: Direct Contact

P4: Overland flow / surface runoff

P5: Vertical and lateral migration of ground gases and/or vapour

P6: Root uptake

5.3.3 Receptors

R1: End Users: Residents

R2: Construction and maintenance workers

R3: Controlled Water: Surface Water and Groundwater

R4: Property: Services (e.g. drinking water supply pipes) and structures/buildings (concrete used in foundations)

R5: Adjacent buildings

R6: Proposed flora and fauna

5.3.4 Preliminary Qualitative Risk Assessment

For each potential pollutant linkage identified within the PCSM, the potential risk has been assessed on the probability of a pollution event and the severity it may have on the identified receptors. The results are presented in Table 5.1 below. The methodology for the assessment is presented in Appendix IV.

Table 5.1 Preliminary Conceptual Site Model and Qualitative Risk Assessment

Source	Pathway	Receptor	Consequence	Probability	Risk	Comments
On Site S1: Historical and Contemporary land use: Reworked Natural Ground associated with agricultural land use (expected to be limited in extent).	P1: Human uptake pathways	R1: End Users	Mild	Low	Low	There is the potential for Reworked Natural Ground associated with agricultural land use on site. Any residual contamination is likely to be limited and localised within Reworked Natural Ground. It is possible that end users / construction workers will come into contact with the soils across the site and therefore further investigation is required to quantify the risks. The risk of human uptake pathways is considered to be LOW.
		R2: Construction and Maintenance workers				
	P2: Horizontal and vertical migration of mobile contaminants through potentially permeable soils P4: Overland flow / surface runoff	R3: Controlled Water: Groundwater / Surface Water	Mild	Unlikely	Very Low	Limited and localised sources of contamination, associated with agricultural land use, may exist on site. At this stage, the risk cannot be discounted but mobilisation and significant impact to controlled waters is considered unlikely and therefore the risk to controlled waters at this stage is considered to be VERY LOW.
	P3: Direct Contact	R4: Property: Services (e.g. drinking water supply pipes) and structures/buildings (concrete used in foundations)	Medium	Low	Moderate / Low	Made Ground and natural deposits may be aggressive to concrete and underground utilities but is considered likely in this instance as some Made Ground may be present. Any risk should be quantified with investigation but at this stage, the risk is considered to be MODERATE / LOW.
	P6: Root uptake.	R6: Proposed Flora and fauna	Mild	Unlikely	Very Low	The proposed development plans show residential properties with garden areas. It is anticipated that planting of flora and fauna will be part of any garden but any likely contamination is not expected to be extensive and is likely to be limited in availability to flora. The risk at this stage is considered to be VERY LOW.
Off Site S2: Historical and Contemporary land use: Made Ground associated with residential development and Railway Land. S3: Historical and Contemporary land use: Electrical Substation (expected to be limited in extent).	P2: Horizontal and vertical migration of contaminants through potentially permeable soils	R1: End Users	Mild	Unlikely	Very Low	Potential sources of off-site contamination have been identified, but the railway land to the north of the site boundary is considered the only plausible source to have potentially impacted the site, however it is unlikely and any impact is expected to be limited in extent. This should be quantified during a ground investigation. Given the limited potential for contamination, the risk is considered to be VERY LOW. PCBs are of very low environmental mobility through the soil or aqueous environment. These tend not to migrate further than 5m from the curtilage of the facility. Due to low permeability of soils in the area, the risk is considered to be LOW.
On and Off-Site Gas Sources S4: Ground Gases.	P5: Vertical and lateral migration of ground gases and/or vapour.	R1: End Users	Medium	Likely	Moderate	Potential sources of ground gas have been identified associated with a Historic Landfill (with an unknown input material), Made Ground and Railway Land. Made Ground on site is expected to be limited in extent, off-site and significant volumes of putrescible material are not likely to be present. However, the risk at present remains unknown and should be investigated further as part of any ground investigation. At this stage the risk is considered to be Moderate.

6. Preliminary Engineering Constraints and Recommendations

This report has been prepared to inform a planning application for redevelopment of the existing site to support a residential end use.

6.1 Geotechnical Constraints

The BGS mapping indicates that significant quantities of Made Ground is not expected to be encountered upon the site, however, Reworked Natural Ground could be present. There is the potential for drainage remnants to be present underground.

The BGS hazard rating has identified the potential for shrinking and swelling clay as a moderate risk. This should be assessed as part of any ground investigation.

The groundwater regime on site is unknown and should be assessed further, if possible, during the investigative phase.

From observation on site the land is expected to be saturated and the water table is expected to be high, as such, at this stage, it is not envisaged that there will be sufficient infiltration to facilitate soakaway drainage.

The soils and groundwater on site have the potential to be aggressive to buried/surface concrete and proposed utilities. The risk is considered to be moderate, investigation should be undertaken to substantiate this.

6.2 Environmental Constraints

Any Made Ground on site may contain elevated concentrations of potentially harmful contaminants which may present a risk to the receptors identified in the PCSM including end users, adjacent buildings, or construction workers.

Potential sources of ground gas are considered limited to potential Made Ground. Ground gas monitoring may be required in accordance with BS8485:2015 + A1:2019.

The Preliminary Conceptual Site Model indicates a Moderate possibility that harm could arise to a designated receptor from identified hazards.

6.3 Recommendations

HSP Consulting Engineers Ltd would recommend that an intrusive geo-environmental investigation be undertaken across the site to confirm the recommendations outlined above.

The objectives of the investigation should be as follows:

- To establish the ground conditions laterally and vertically across the site, including the presence, distribution and composition of any Made Ground.
- To obtain soil samples for contamination analysis, in order to refine the PCSM and undertake generic quantitative risk assessment.
- To obtain data on the groundwater regime and ground gas (if required).
- To obtain geotechnical design parameters for the proposed new buildings including in-situ and laboratory testing.
- To assess if the soils and groundwater on site are likely to be aggressive to buried/surface concrete and proposed utilities.

Once detailed design proposals have been made available, a Ground Investigation Scope can be developed. As a guide the following is likely to be required:

- Windowless sampler boreholes and possibly cable percussion boreholes with in-situ testing and sample recovery.
- Standard CLEA chemical analysis suites (to include total metals/semi metals, inorganics, PAH speciated & TPH CWG) plus Asbestos Screen & ID.
- Dual purpose gas and groundwater monitoring wells.
- 4No monitoring events (weekly for four weeks) for ground gases and groundwater levels (this will be reviewed based on the findings of the ground investigation).
- Geotechnical Testing to include Plasticity Index & moisture content on cohesive materials, BRE Sulphates soils and groundwater (if present).

It would seem unlikely that soakaways would be employed on the site due to the groundwater levels on site and the lack of surface water infiltration. BRE 365 states that “groundwater should not rise to the level of the base of a soakaway”, as there is standing water on site, and the likelihood of a high water table seems reasonably high, it would be a reasonable inference to suggest that a soakaway solution is unlikely to be suitable on the site.

Appendix I



DO NOT SCALE
NOTES:



- Approximate
Site Boundary



Lawrence House, Meadowbank Way,
Eastwood, Nottingham, NG16 3SB
Tel: 01773 535 555 Fax: 0870 600 6091

www.hspconsulting.com

CLIENT:

Formula Land Ltd

PROJECT:

Land at Southampton Rd
and Junction Rd

TITLE:

Site Location Plan

SCALE@SIZE :

NTS

ISSUE:

FINAL

DESIGN/DRAWN:

HE

DATE:

December 2023

PROJECT No:

C4363

DRAWING No:

501

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Appendix II



Land at Southampton Road and Junction Road , Southampton Road, Alderbury, Salisbury, SP5 3AG

Order Details

Date: 23/11/2023
Your ref: EMS_909430_1126598
Our Ref: EMS-909430_1159939

Site Details

Location: 419007 127271
Area: 4.51 ha
Authority: [Wiltshire Council](#) ↗



Summary of findings

[p. 2 >](#) **Aerial image**

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) groundsure.com/insightuserguide ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

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	17	33	-
17 >	1.2 >	Historical tanks >	0	0	1	0	-
18 >	1.3 >	Historical energy features >	0	0	1	1	-
18	1.4	Historical petrol stations	0	0	0	0	-
18	1.5	Historical garages	0	0	0	0	-
19	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
20 >	2.1 >	Historical industrial land uses >	0	0	19	40	-
23 >	2.2 >	Historical tanks >	0	0	2	0	-
23 >	2.3 >	Historical energy features >	0	0	1	7	-
24	2.4	Historical petrol stations	0	0	0	0	-
24	2.5	Historical garages	0	0	0	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
25	3.1	Active or recent landfill	0	0	0	0	-
25	3.2	Historical landfill (BGS records)	0	0	0	0	-
26	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
26 >	3.4 >	Historical landfill (EA/NRW records) >	0	0	1	1	-
26	3.5	Historical waste sites	0	0	0	0	-
27	3.6	Licensed waste sites	0	0	0	0	-
27 >	3.7 >	Waste exemptions >	0	0	3	0	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
28 >	4.1 >	Recent industrial land uses >	0	1	1	-	-
29	4.2	Current or recent petrol stations	0	0	0	0	-
29	4.3	Electricity cables	0	0	0	0	-
29	4.4	Gas pipelines	0	0	0	0	-
29	4.5	Sites determined as Contaminated Land	0	0	0	0	-



29	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
30	4.7	Regulated explosive sites	0	0	0	0	-
30	4.8	Hazardous substance storage/usage	0	0	0	0	-
30	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
30	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
30	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
31	4.12	Radioactive Substance Authorisations	0	0	0	0	-
31 >	4.13 >	Licensed Discharges to controlled waters >	1	0	0	0	-
31	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
31	4.15	Pollutant release to public sewer	0	0	0	0	-
32	4.16	List 1 Dangerous Substances	0	0	0	0	-
32	4.17	List 2 Dangerous Substances	0	0	0	0	-
32	4.18	Pollution Incidents (EA/NRW)	0	0	0	0	-
32	4.19	Pollution inventory substances	0	0	0	0	-
32	4.20	Pollution inventory waste transfers	0	0	0	0	-
33	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology >	On site	0-50m	50-250m	250-500m	500-2000m
34 >	5.1 >	Superficial aquifer >	Identified (within 500m)				
35 >	5.2 >	Bedrock aquifer >	Identified (within 500m)				
36 >	5.3 >	Groundwater vulnerability >	Identified (within 50m)				
37	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
37 >	5.5 >	Groundwater vulnerability- local information >	Identified (within 0m)				
38 >	5.6 >	Groundwater abstractions >	0	0	0	0	7
40	5.7	Surface water abstractions	0	0	0	0	0
40	5.8	Potable abstractions	0	0	0	0	0
41	5.9	Source Protection Zones	0	0	0	0	-
41	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology >	On site	0-50m	50-250m	250-500m	500-2000m
42 >	6.1 >	Water Network (OS MasterMap) >	5	0	7	-	-



44 >	6.2 >	Surface water features >	1	0	6	-	-
44 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
44 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
45 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
46	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
46	7.2	Historical Flood Events	0	0	0	-	-
46	7.3	Flood Defences	0	0	0	-	-
47	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
47	7.5	Flood Storage Areas	0	0	0	-	-
48	7.6	Flood Zone 2	None (within 50m)				
48	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
49 >	8.1 >	Surface water flooding >	1 in 100 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
51 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
52 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2
53	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
53 >	10.3 >	Special Areas of Conservation (SAC) >	0	0	0	0	1
54	10.4	Special Protection Areas (SPA)	0	0	0	0	0
54	10.5	National Nature Reserves (NNR)	0	0	0	0	0
54	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
54 >	10.7 >	Designated Ancient Woodland >	0	0	1	0	12
55	10.8	Biosphere Reserves	0	0	0	0	0
55	10.9	Forest Parks	0	0	0	0	0
55	10.10	Marine Conservation Zones	0	0	0	0	0
56	10.11	Green Belt	0	0	0	0	0
56	10.12	Proposed Ramsar sites	0	0	0	0	0



56	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
56	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
56	10.15	Nitrate Sensitive Areas	0	0	0	0	0
57 >	10.16 >	Nitrate Vulnerable Zones >	1	0	1	0	3
58 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
59 >	10.18 >	SSSI Units >	0	0	0	0	2
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
61	11.1	World Heritage Sites	0	0	0	-	-
62	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
62	11.3	National Parks	0	0	0	-	-
62	11.4	Listed Buildings	0	0	0	-	-
62 >	11.5 >	Conservation Areas >	0	0	1	-	-
63	11.6	Scheduled Ancient Monuments	0	0	0	-	-
63	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
64 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
65	12.2	Open Access Land	0	0	0	-	-
65 >	12.3 >	Tree Felling Licences >	0	0	7	-	-
65	12.4	Environmental Stewardship Schemes	0	0	0	-	-
66 >	12.5 >	Countryside Stewardship Schemes >	1	0	2	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
67 >	13.1 >	Priority Habitat Inventory >	1	1	13	-	-
68 >	13.2 >	Habitat Networks >	0	0	2	-	-
68	13.3	Open Mosaic Habitat	0	0	0	-	-
69	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
70 >	14.1 >	10k Availability >	Identified (within 500m)				
71 >	14.2 >	Artificial and made ground (10k) >	0	0	2	2	-
73 >	14.3 >	Superficial geology (10k) >	0	0	1	0	-

74	14.4	Landslip (10k)	0	0	0	0	-
75 >	14.5 >	Bedrock geology (10k) >	1	0	0	1	-
76	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
77 >	15.1 >	50k Availability >	Identified (within 500m)				
78 >	15.2 >	Artificial and made ground (50k) >	0	0	0	2	-
79	15.3	Artificial ground permeability (50k)	0	0	-	-	-
80 >	15.4 >	Superficial geology (50k) >	0	0	1	0	-
81	15.5	Superficial permeability (50k)	None (within 50m)				
81	15.6	Landslip (50k)	0	0	0	0	-
81	15.7	Landslip permeability (50k)	None (within 50m)				
82 >	15.8 >	Bedrock geology (50k) >	1	0	0	1	-
83 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
83	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
84 >	16.1 >	BGS Boreholes >	0	0	2	-	-
Page	Section	Natural ground subsidence >					
85 >	17.1 >	Shrink swell clays >	Moderate (within 50m)				
86 >	17.2 >	Running sands >	Very low (within 50m)				
87 >	17.3 >	Compressible deposits >	Negligible (within 50m)				
88 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
89 >	17.5 >	Landslides >	Very low (within 50m)				
90 >	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
92 >	18.1 >	BritPits >	0	0	0	1	-
93 >	18.2 >	Surface ground workings >	0	0	12	-	-
94	18.3	Underground workings	0	0	0	0	0
94	18.4	Underground mining extents	0	0	0	0	-
94	18.5	Historical Mineral Planning Areas	0	0	0	0	-



94	18.6	Non-coal mining	0	0	0	0	0
94	18.7	JPB mining areas	None (within 0m)				
95	18.8	The Coal Authority non-coal mining	0	0	0	0	-
95	18.9	Researched mining	0	0	0	0	-
95	18.10	Mining record office plans	0	0	0	0	-
95	18.11	BGS mine plans	0	0	0	0	-
96	18.12	Coal mining	None (within 0m)				
96	18.13	Brine areas	None (within 0m)				
96	18.14	Gypsum areas	None (within 0m)				
96	18.15	Tin mining	None (within 0m)				
96	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
97	19.1	Natural cavities	0	0	0	0	-
97	19.2	Mining cavities	0	0	0	0	0
97	19.3	Reported recent incidents	0	0	0	0	-
97	19.4	Historical incidents	0	0	0	0	-
98	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
99 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
101 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	0	-	-	-
101	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
101	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
102	22.1	Underground railways (London)	0	0	0	-	-
102	22.2	Underground railways (Non-London)	0	0	0	-	-
103	22.3	Railway tunnels	0	0	0	-	-
103	22.4	Historical railway and tunnel features	0	0	0	-	-
103	22.5	Royal Mail tunnels	0	0	0	-	-



103 >	22.6 >	Historical railways >	0	0	1	-	-
104 >	22.7 >	Railways >	0	0	5	-	-
104	22.8	Crossrail 1	0	0	0	0	-
104	22.9	Crossrail 2	0	0	0	0	-
104	22.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 01/06/2020

Site Area: 4.51ha



Recent site history - 2017 aerial photograph



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Capture Date: 20/06/2017

Site Area: 4.51ha



Recent site history - 2013 aerial photograph



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Capture Date: 26/05/2013

Site Area: 4.51ha



Recent site history - 2005 aerial photograph



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Capture Date: 27/05/2005

Site Area: 4.51ha



Recent site history - 2000 aerial photograph

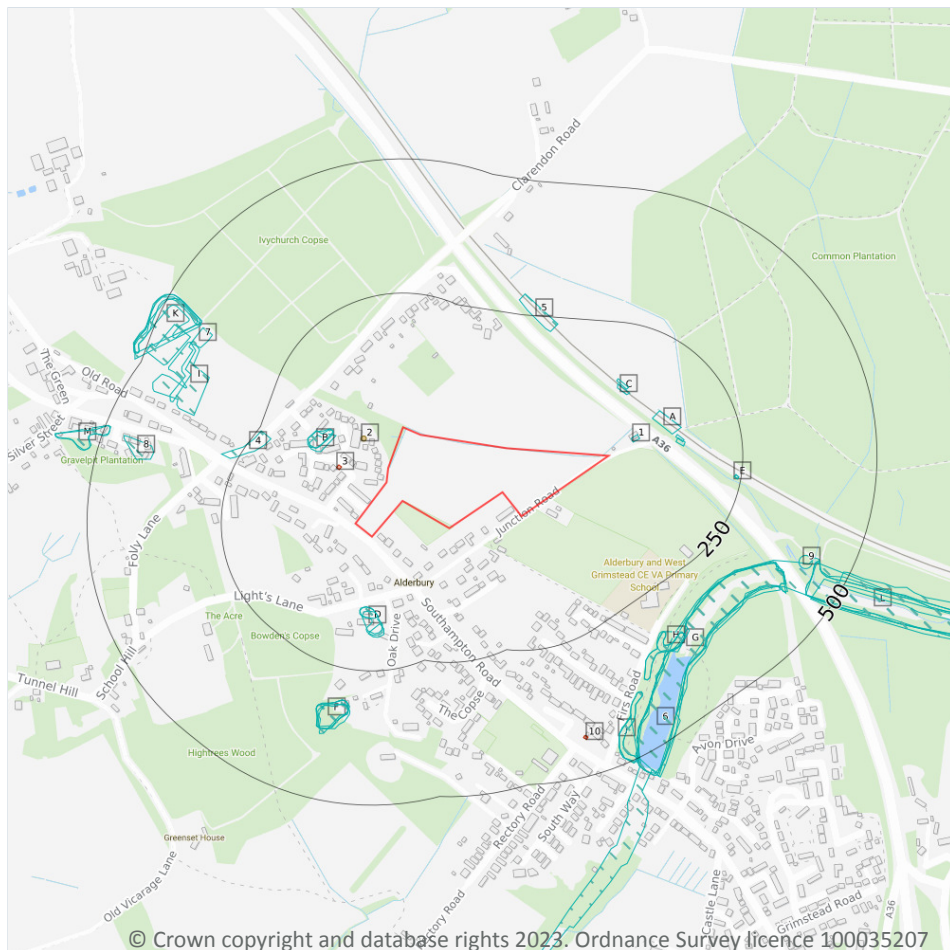


Capture Date: 17/06/2000

Site Area: 4.51ha



1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

50

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

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

ID	Location	Land use	Dates present	Group ID
1	52m E	Railway Building	1974	1866403



ID	Location	Land use	Dates present	Group ID
A	107m E	Cuttings	1872	1881986
B	112m W	Unspecified Heap	1961	1889924
B	119m W	Unspecified Heap	1926	1948872
C	119m NE	Railway Building	1961	1866404
B	119m W	Unspecified Heap	1926	1947264
A	128m E	Railway Building	1961	1866398
C	128m NE	Railway Building	1872	1866397
A	130m E	Junction Station	1926	1874273
D	131m SW	Unspecified Heaps	1926	1955986
D	132m SW	Unspecified Ground Workings	1926	1851703
D	139m SW	Unspecified Heap	1961	1869149
D	163m SW	Unspecified Heap	1961	1869148
4	221m W	Cuttings	1872	1881987
5	223m NE	Cuttings	1872	1881985
E	238m E	Railway Building	1900	1927914
E	238m E	Railway Building	1926	1962972
6	309m E	Old Canal	1872	1902981
F	309m SW	Unspecified Pit	1926	1900495
F	309m SW	Unspecified Pit	1926	1942311
F	309m SW	Sand Pit	1900	1946114
G	312m SE	Old Canal	1974	1939070
G	313m SE	Old Canal	1926	1917656
G	315m SE	Old Canal	1926 - 1961	1913199
G	315m SE	Old Canal	1900	1940612
F	316m SW	Unspecified Pit	1961	1928530
F	318m SW	Sand Pit	1872	1907280
H	326m SE	Unspecified Heap	1926	1937693
H	327m SE	Unspecified Ground Workings	1900	1892299



ID	Location	Land use	Dates present	Group ID
H	327m SE	Unspecified Ground Workings	1926	1946753
I	362m W	Gravel Pit	1974	1886069
J	394m SE	Unspecified Ground Workings	1900	1935291
J	394m SE	Unspecified Ground Workings	1926	1946520
7	394m NW	Gravel Pit	1961	1943550
8	398m W	Gravel Pit	1961	1871404
9	405m E	Unspecified Heap	1974	1869147
I	405m W	Refuse Heap	1961	1884067
K	422m NW	Unspecified Pit	1961	1950750
K	423m NW	Unspecified Pit	1926	1888498
J	423m SE	Unspecified Heap	1926	1946799
K	424m NW	Unspecified Ground Workings	1926	1851772
K	430m NW	Sand Pit	1872	1873247
K	430m NW	Gravel Pit	1900	1871407
L	434m E	Unspecified Pit	1926	1888795
L	434m E	Unspecified Pit	1900	1940048
L	436m E	Unspecified Pit	1926	1954171
L	461m E	Cuttings	1961	1881990
L	488m E	Unspecified Heap	1974	1869117
M	489m W	Gravel Pit	1926	1885370
M	489m W	Unspecified Pit	1926	1935475

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

1

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



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

ID	Location	Land use	Dates present	Group ID
2	57m W	Unspecified Tank	1925 - 1937	325482

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

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

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

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

ID	Location	Land use	Dates present	Group ID
3	84m W	Electricity Substation	1996	188581
10	425m SE	Electricity Substation	1972 - 1995	206914

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

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

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

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

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

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

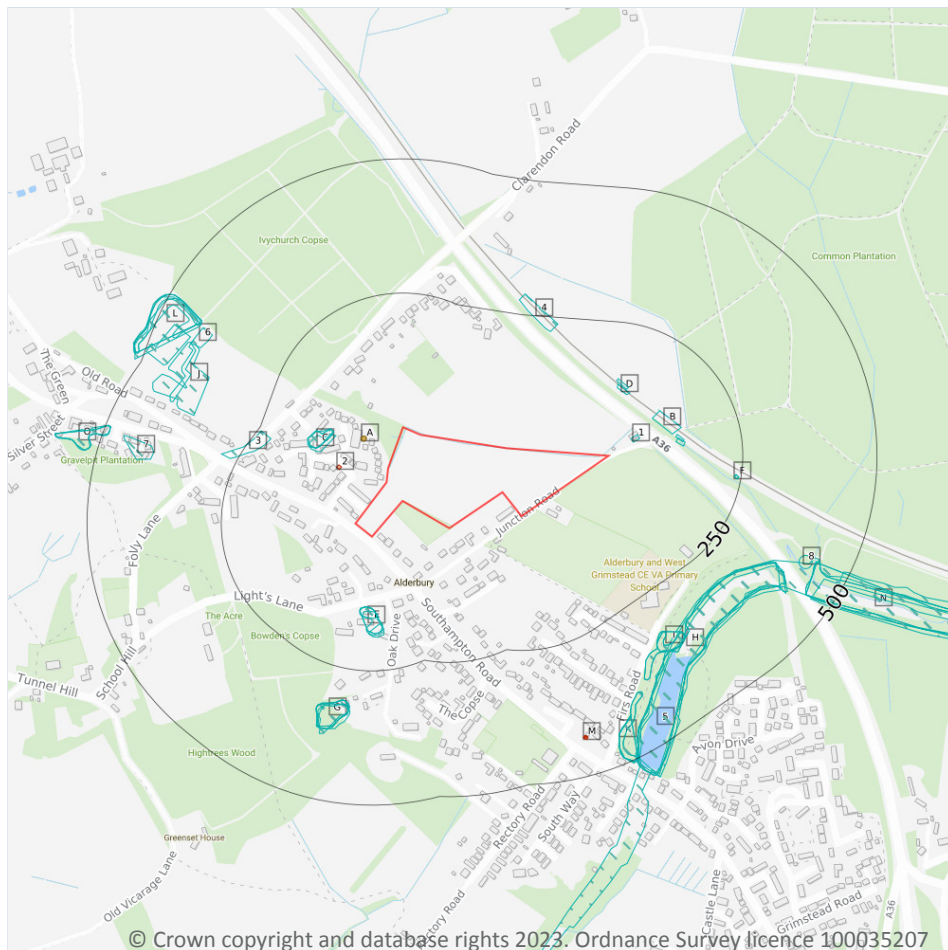
0

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
- Historical tanks
- Historical energy features

2.1 Historical industrial land uses

Records within 500m

59

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 20](#) >

ID	Location	Land Use	Date	Group ID
1	52m E	Railway Building	1974	1866403
B	107m E	Cuttings	1872	1881986
C	112m W	Unspecified Heap	1961	1889924



ID	Location	Land Use	Date	Group ID
C	119m W	Unspecified Heap	1926	1948872
D	119m NE	Railway Building	1961	1866404
C	119m W	Unspecified Heap	1926	1947264
C	119m W	Unspecified Heap	1926	1947264
B	128m E	Railway Building	1961	1866398
D	128m NE	Railway Building	1872	1866397
B	130m E	Junction Station	1926	1874273
E	131m SW	Unspecified Heaps	1926	1955986
E	131m SW	Unspecified Heaps	1926	1955986
E	132m SW	Unspecified Ground Workings	1926	1851703
E	139m SW	Unspecified Heap	1961	1869149
E	163m SW	Unspecified Heap	1961	1869148
3	221m W	Cuttings	1872	1881987
4	223m NE	Cuttings	1872	1881985
F	238m E	Railway Building	1926	1962972
F	238m E	Railway Building	1900	1927914
5	309m E	Old Canal	1872	1902981
G	309m SW	Unspecified Pit	1926	1900495
G	309m SW	Unspecified Pit	1926	1900495
G	309m SW	Unspecified Pit	1926	1942311
G	309m SW	Sand Pit	1900	1946114
H	312m SE	Old Canal	1974	1939070
H	313m SE	Old Canal	1926	1917656
H	315m SE	Old Canal	1926	1913199
H	315m SE	Old Canal	1900	1940612
G	316m SW	Unspecified Pit	1961	1928530
G	318m SW	Sand Pit	1872	1907280
H	324m SE	Old Canal	1961	1913199



ID	Location	Land Use	Date	Group ID
I	326m SE	Unspecified Heap	1926	1937693
I	326m SE	Unspecified Heap	1926	1937693
I	327m SE	Unspecified Ground Workings	1926	1946753
I	327m SE	Unspecified Ground Workings	1900	1892299
J	362m W	Gravel Pit	1974	1886069
K	394m SE	Unspecified Ground Workings	1926	1946520
K	394m SE	Unspecified Ground Workings	1900	1935291
6	394m NW	Gravel Pit	1961	1943550
7	398m W	Gravel Pit	1961	1871404
8	405m E	Unspecified Heap	1974	1869147
J	405m W	Refuse Heap	1961	1884067
L	422m NW	Unspecified Pit	1961	1950750
L	423m NW	Unspecified Pit	1926	1888498
L	423m NW	Unspecified Pit	1926	1888498
K	423m SE	Unspecified Heap	1926	1946799
K	423m SE	Unspecified Heap	1926	1946799
L	424m NW	Unspecified Ground Workings	1926	1851772
L	430m NW	Sand Pit	1872	1873247
L	430m NW	Gravel Pit	1900	1871407
N	434m E	Unspecified Pit	1926	1888795
N	434m E	Unspecified Pit	1900	1940048
N	436m E	Unspecified Pit	1926	1954171
N	436m E	Unspecified Pit	1926	1954171
N	461m E	Cuttings	1961	1881990
N	488m E	Unspecified Heap	1974	1869117
O	489m W	Gravel Pit	1926	1885370
O	489m W	Unspecified Pit	1926	1935475
O	489m W	Unspecified Pit	1926	1935475

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m

2

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

Features are displayed on the Past land use - un-grouped map on [page 20 >](#)

ID	Location	Land Use	Date	Group ID
A	57m W	Unspecified Tank	1925	325482
A	57m W	Unspecified Tank	1937	325482

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

8

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

Features are displayed on the Past land use - un-grouped map on [page 20 >](#)

ID	Location	Land Use	Date	Group ID
2	84m W	Electricity Substation	1996	188581
M	425m SE	Electricity Substation	1978	206914
M	425m SE	Electricity Substation	1984	206914
M	425m SE	Electricity Substation	1984	206914
M	426m SE	Electricity Substation	1972	206914
M	426m SE	Electricity Substation	1983	206914
M	427m SE	Electricity Substation	1995	206914
M	427m SE	Electricity Substation	1993	206914

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

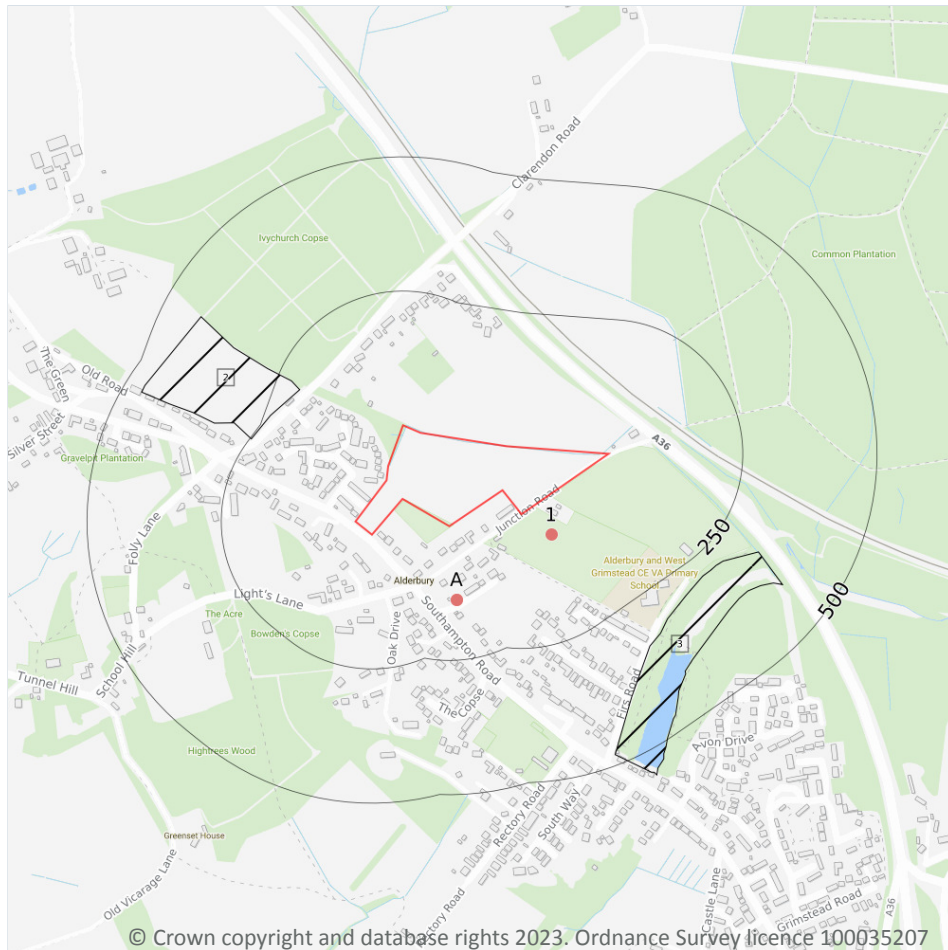
Records within 500m**0**

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)
- Historical landfill (EA/NRW)
- 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

2

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

Features are displayed on the Waste and landfill map on [page 25 >](#)

ID	Location	Details		
2	203m NW	Site Address: Borrow Pit, Ivychurch, Alderbury Licence Holder Address: Estate Office, Longford, Castle, Salisbury	Waste Licence: - Site Reference: 242, FSY6, ST 60004, S/76/0004/WD Waste Type: - Environmental Permitting Regulations (Waste) Reference: - Licence Issue: - Licence Surrender: -	Operator: - Licence Holder: The Longford Estate First Recorded - Last Recorded: -
3	287m SE	Site Address: Old Canal, Alderbury, Salisbury Licence Holder Address: Estate Office, Longford, Salisbury, Wiltshire	Waste Licence: Yes Site Reference: FSY4, S771209, S7604660, S/76/0005/WD Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 20/10/1976 Licence Surrender: -	Operator: - Licence Holder: The Longford Estate First Recorded 20/05/1976 Last Recorded: 01/06/1978

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**3**

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 25 >](#)

ID	Location	Site	Reference	Category	Sub-Category	Description
1	64m SE	-	WEX310041	Using waste exemption	Not on a farm	Use of waste in construction
A	139m S	WAGTAILS, SOUTHAMPTON ROAD, ALDERBURY, SALISBURY, SP5 3AF	WEX142937	Disposing of waste exemption	Not on a farm	Burning waste in the open
A	139m S	WAGTAILS, SOUTHAMPTON ROAD, ALDERBURY, SALISBURY, SP5 3AF	WEX281859	Disposing of waste exemption	Not on a farm	Burning waste in the open

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed 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 28 >](#)

ID	Location	Company	Address	Activity	Category
2	19m E	Telephone Exchange	Wiltshire, SP5	Telecommunications Features	Infrastructure and Facilities
3	87m W	Electricity Sub Station	Wiltshire, SP5	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

0

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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m**0**

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m**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 28](#) >

ID	Location	Address	Details	
1	On site	HILLSIDE HOUSE, HILLSIDE HOUSE, CLARENDON ROAD, ALDBURY, SALISBURY WILTSHIRE	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: P00215 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 17/09/1985 Effective Date: 17/09/1985 Revocation Date: 01/07/1991

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

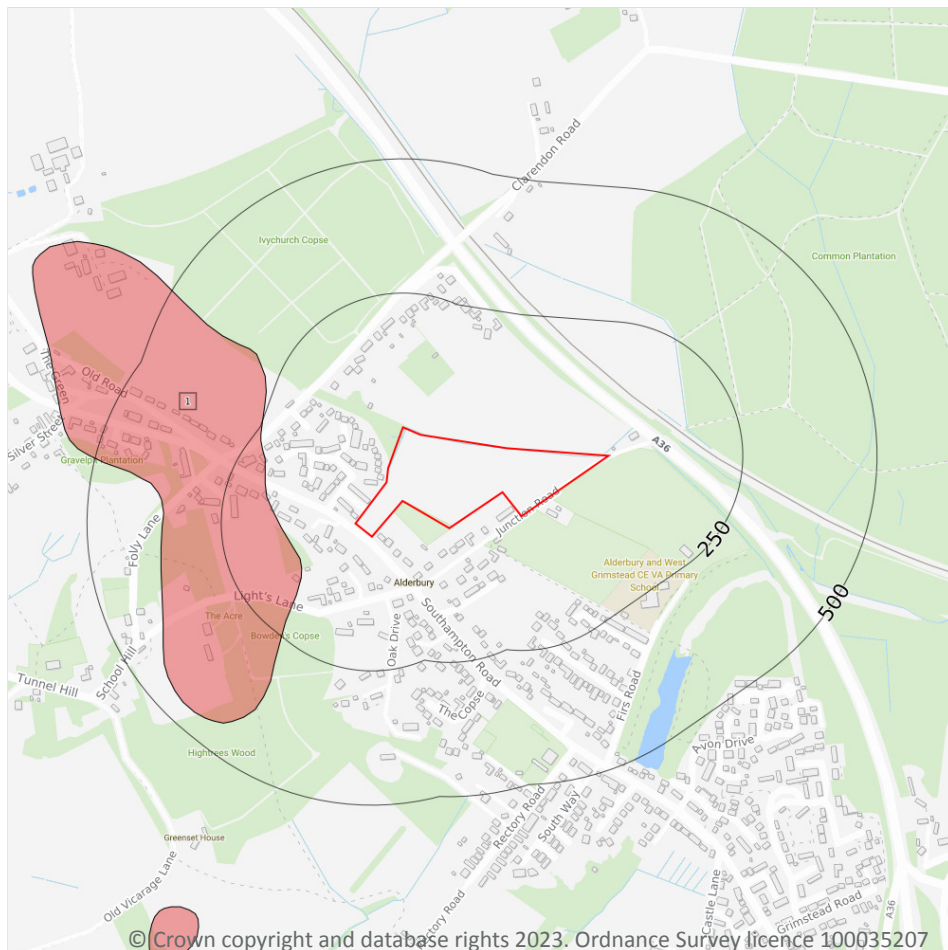
0

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.

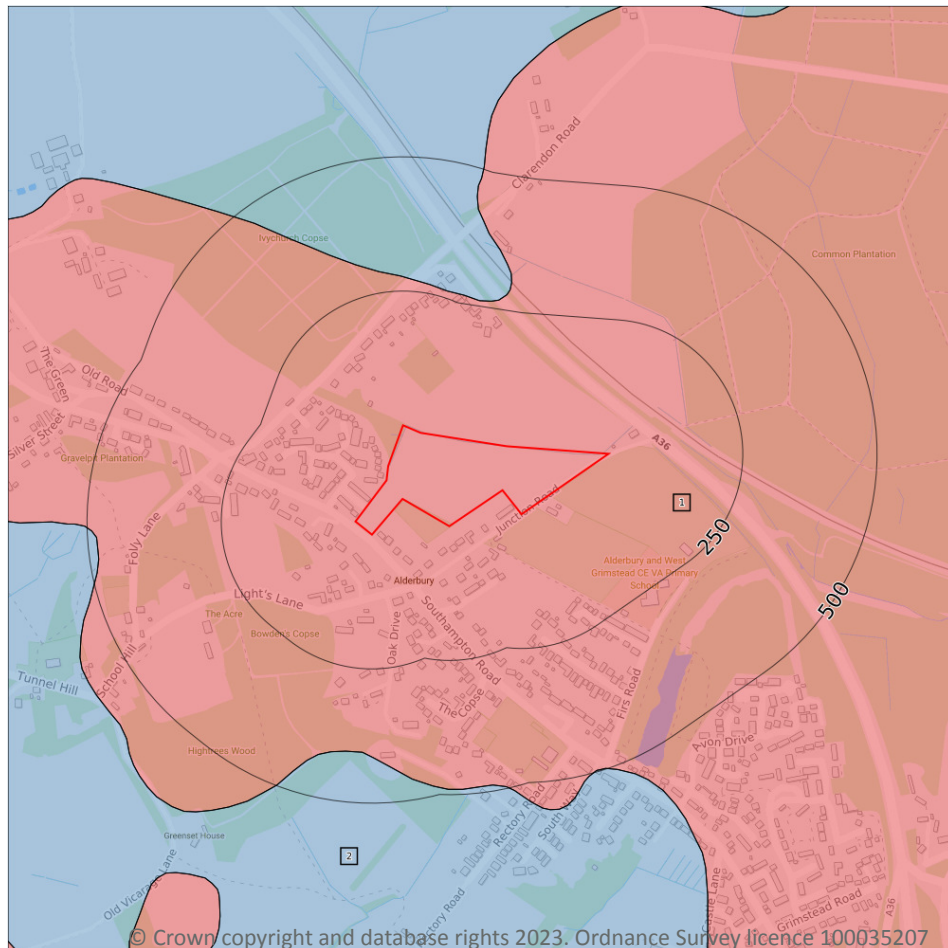
Features are displayed on the Hydrogeology map on [page 34](#) >

ID	Location	Designation	Description
1	122m SW	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

2

Aquifer status of groundwater held within bedrock geology.

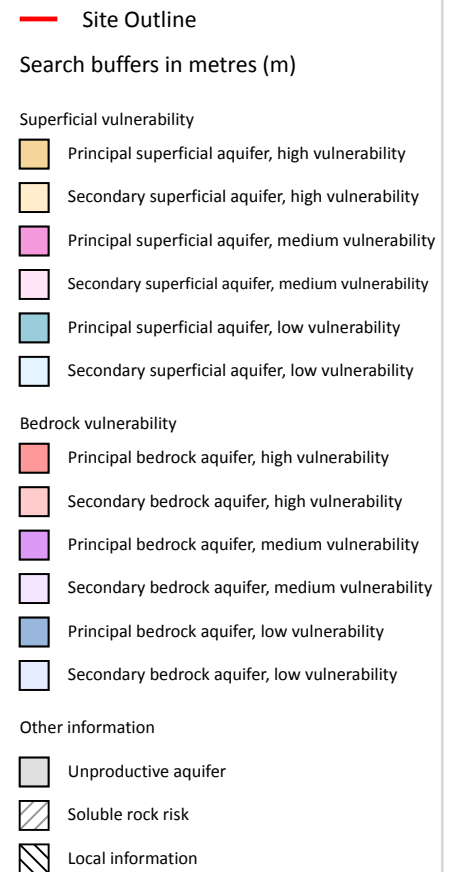
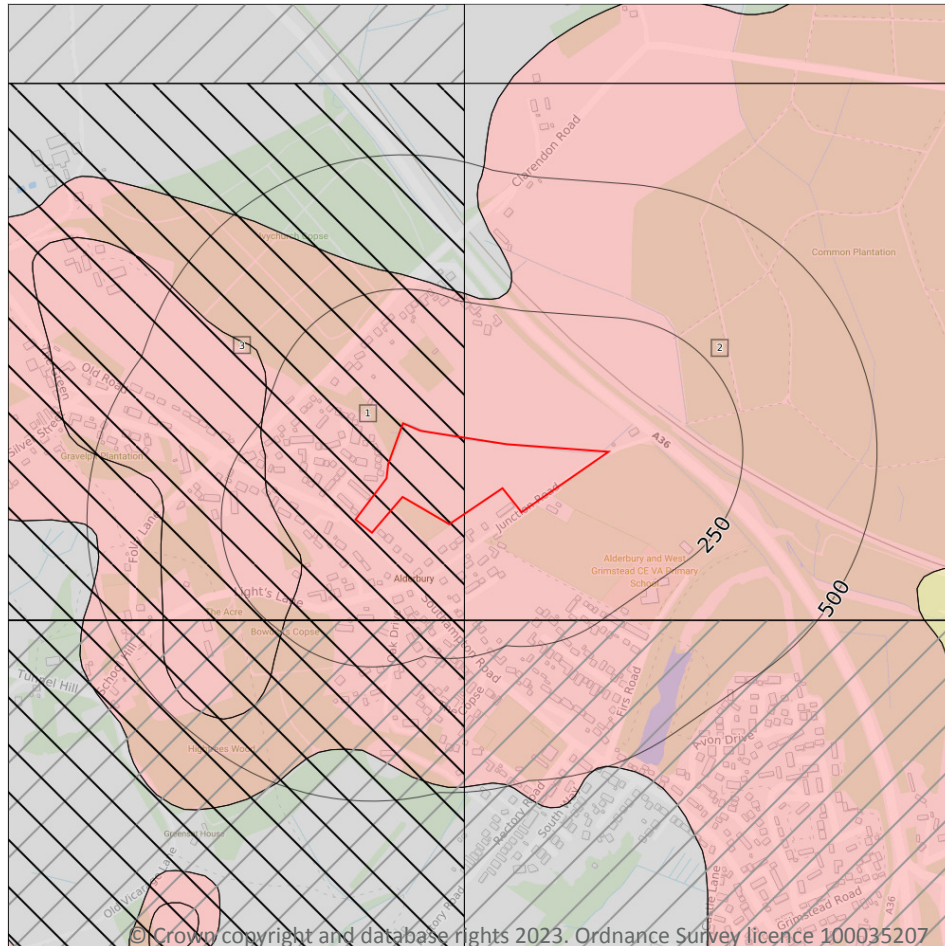
Features are displayed on the Bedrock aquifer map on [page 35](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	260m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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 36](#) >



ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures
2	On site	Summary Classification: Secondary bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

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

5.5 Groundwater vulnerability- local information

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

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

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

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

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ID	Location	Details	
-	1086m E	Status: Historical Licence No: 11/42/18.11/361 Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: POINT A AT WALDEN, WEST GRIMSTEAD Data Type: Point Name: Hirst Easting: 420340 Northing: 127490	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 10/03/2003 Version End Date: -
-	1216m S	Status: Historical Licence No: 13/43/026/G/060 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: RECTORY FARM WELL #1 Data Type: Point Name: Dunning & White Easting: 419300 Northing: 126000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/02/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/02/1967 Version End Date: -
-	1410m SW	Status: Historical Licence No: 13/43/026/G/101 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: ALDERBURY FARM BOREHOLE #1 Data Type: Point Name: John Leech & Son Easting: 418200 Northing: 125900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/09/1966 Expiry Date: - Issue No: 101 Version Start Date: 26/01/2005 Version End Date: -
-	1529m S	Status: Historical Licence No: 13/43/026/G/048 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: MATRON'S COLLEGE FARM WELL POINT 1 Data Type: Point Name: John Leech & Son Easting: 419400 Northing: 125700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/11/1966 Expiry Date: - Issue No: 100 Version Start Date: 28/09/1993 Version End Date: -
-	1701m W	Status: Historical Licence No: 13/43/026/G/008 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: ALDERBURY MEADOWS CATCHPIT #1 Data Type: Point Name: Trustees of Viscount Folkestone Easting: 417200 Northing: 126600	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/03/1967 Expiry Date: - Issue No: 100 Version Start Date: 30/09/1970 Version End Date: -



ID	Location	Details	
-	1926m NW	Status: Historical Licence No: 13/43/026/G/108 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: BELMONT BOREHOLE #1 Data Type: Point Name: Wells Easting: 417200 Northing: 128300	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 16/12/1971 Expiry Date: - Issue No: 100 Version Start Date: 16/12/1971 Version End Date: -
-	1963m S	Status: Historical Licence No: 13/43/026/G/051 Details: General Farming & Domestic Direct Source: Ground Water - Fresh Point: WITHERINGTON FARM WELL POINT A Data Type: Point Name: Witherington Farm Ltd Easting: 418800 Northing: 125200	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 01/05/1967 Expiry Date: - Issue No: 100 Version Start Date: 01/05/1967 Version End Date: -

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

5.7 Surface water abstractions

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

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

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

5.8 Potable abstractions

Records within 2000m	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 42](#) >

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



ID	Location	Type of water feature	Ground level	Permanence	Name
A	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	On site	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	67m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	89m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	126m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	136m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	154m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	154m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	179m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.



6.2 Surface water features

Records within 250m

7

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 42 >](#)

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 42 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Dun	GB107042022640	Test Lower and Southampton Streams	Test and Itchen

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 42 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1237m NE	River	Dun	GB107042022640 ↗	Moderate	Fail	Moderate	2019



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

6.5 WFD Groundwater bodies

Records on site

1

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

Features are displayed on the Hydrology map on [page 42](#) >

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Central Hants Lambeth Group	GB40702G503800 ↗	Good	Good	Good	2019

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



7 River and coastal flooding

7.1 Risk of flooding from rivers and the sea

Records within 50m**0**

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

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

7.2 Historical Flood Events

Records within 250m**0**

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

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

7.3 Flood Defences

Records within 250m**0**

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

Records within 50m

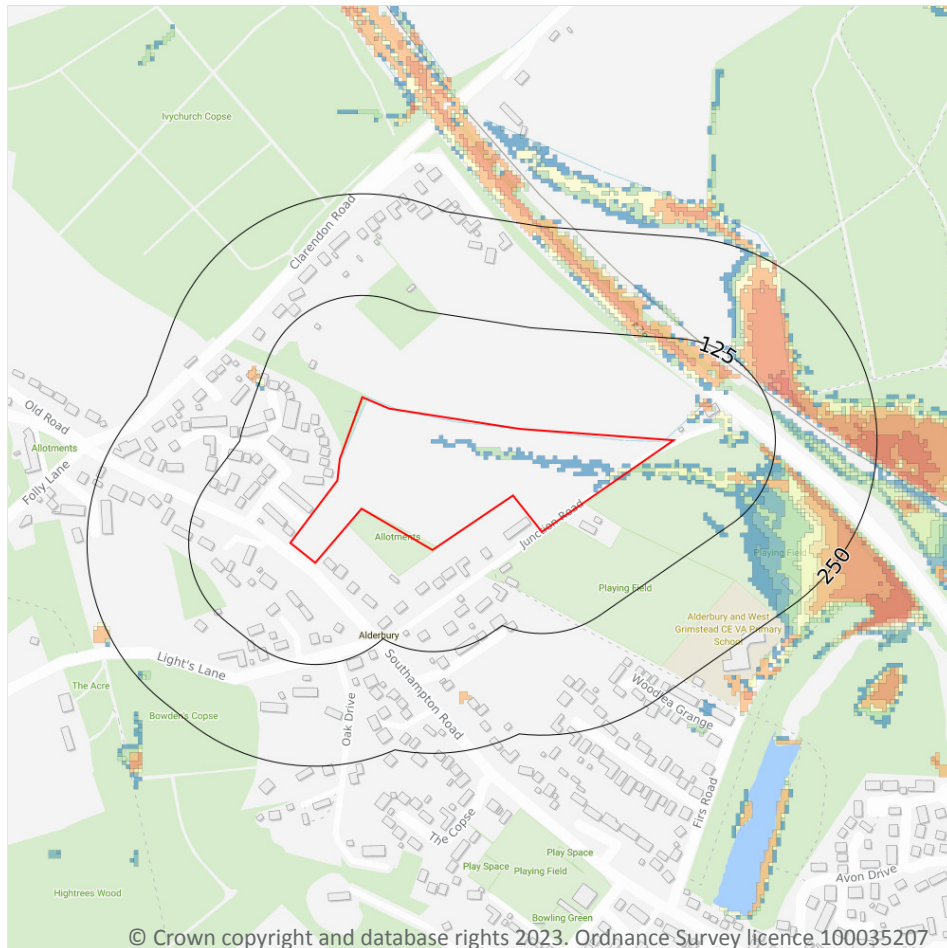
0

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

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 100 year, 0.1m - 0.3m

Highest risk within 50m

1 in 100 year, 0.3m - 1.0m

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

Features are displayed on the Surface water flooding map on [page 49 >](#)

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

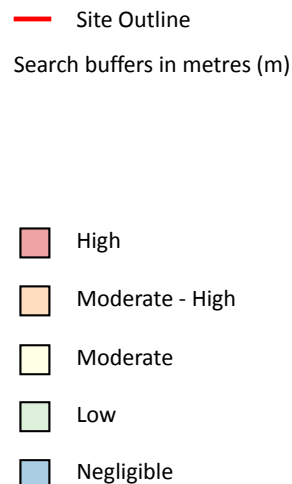
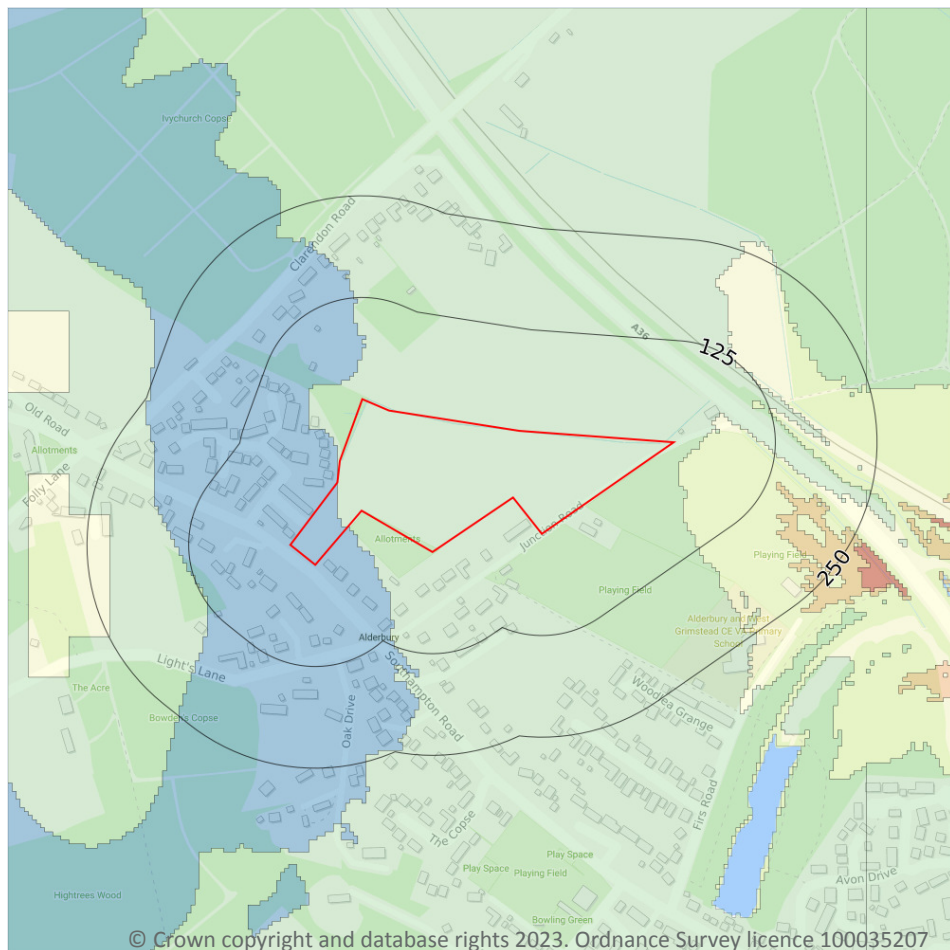
The table below shows the maximum flood depths for a range of return periods for the site.

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

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

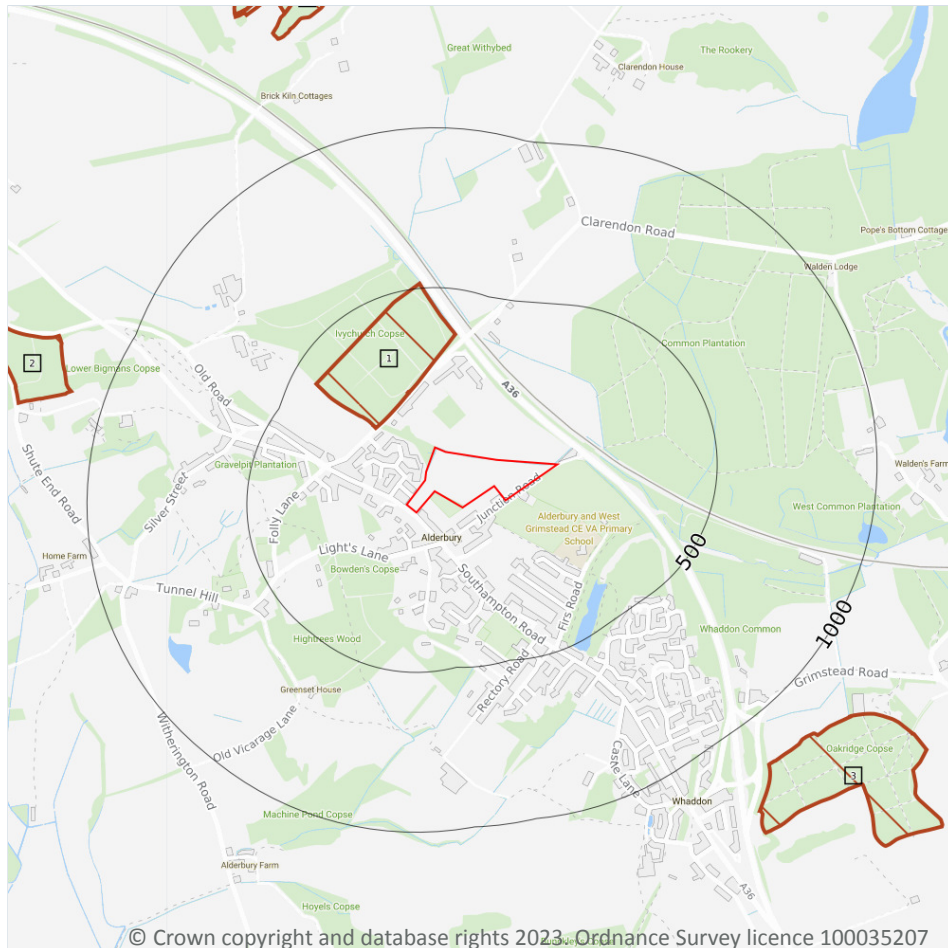
Moderate

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 51](#) >

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- + Special Areas of Conservation (SAC)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on [page 52](#) >

ID	Location	Name	Data source
-	1259m W	River Avon System	Natural England



ID	Location	Name	Data source
-	1814m W	Britford Water Meadows	Natural England

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

10.2 Conserved wetland sites (Ramsar sites)

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

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

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

10.3 Special Areas of Conservation (SAC)

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

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

Features are displayed on the Environmental designations map on [page 52 >](#)

ID	Location	Name	Features of interest	Habitat description	Data source
-	1259m W	River Avon	Rivers with floating vegetation often dominated by water-crowfoot; Calcium-rich springwater-fed fens; Alder woodland on floodplains; Sea lamprey; Brook lamprey; Atlantic salmon; Bullhead; Desmoulin's whorl snail; White-clawed (or Atlantic stream) crayfish; Otter.	Bogs, Marshes, Water fringed vegetation, Fens; Heath, Scrub, Maquis and Garrigue, Phygrana; Inland water bodies (Standing water, Running water); Broad-leaved deciduous woodland	Natural England

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

10.4 Special Protection Areas (SPA)

Records within 2000m**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**13**

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

Features are displayed on the Environmental designations map on [page 52 >](#)

ID	Location	Name	Woodland Type
1	173m NW	Ivychurch Copse	Ancient Replanted Woodland
2	1108m W	Shootend Copse	Ancient & Semi-Natural Woodland
3	1149m SE	Oakridge Copse	Ancient Replanted Woodland
4	1368m NW	Hendon And Canon Copses	Ancient & Semi-Natural Woodland



ID	Location	Name	Woodland Type
5	1437m N	Hendon And Canon Copses	Ancient Replanted Woodland
-	1466m S	Treasurers Dean Wood	Ancient & Semi-Natural Woodland
7	1491m NW	Hendon And Canon Copses	Ancient & Semi-Natural Woodland
-	1583m NE	Nightwood Copse	Ancient Replanted Woodland
-	1688m N	Hendon And Canon Copses	Ancient & Semi-Natural Woodland
-	1719m N	Hendon And Canon Copses	Ancient Replanted Woodland
-	1766m NW	Hendon And Canon Copses	Ancient & Semi-Natural Woodland
-	1856m NW	Hendon And Canon Copses	Ancient Replanted Woodland
-	1873m N	Hendon And Canon Copses	Ancient Replanted Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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



10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m

0

Areas where nitrate concentrations in drinking water sources exceeded or was at risk of exceeding the limit of 50 mg/l set by the 1980 EC Drinking Water Directive. Voluntary agricultural measures as a means of reducing the levels of nitrate were introduced by DEFRA as MAFF, with payments being made to farmers who complied. The scheme was started as a pilot in 1990 in ten areas, later implemented within 32 areas. The scheme was



closed to further new entrants in 1998, although existing agreements continued for their full term. All Nitrate Sensitive Areas fell within the areas designated as Nitrate Vulnerable Zones (NVZs) in 1996 under the EC Nitrate Directive (91/676/EEC).

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

5

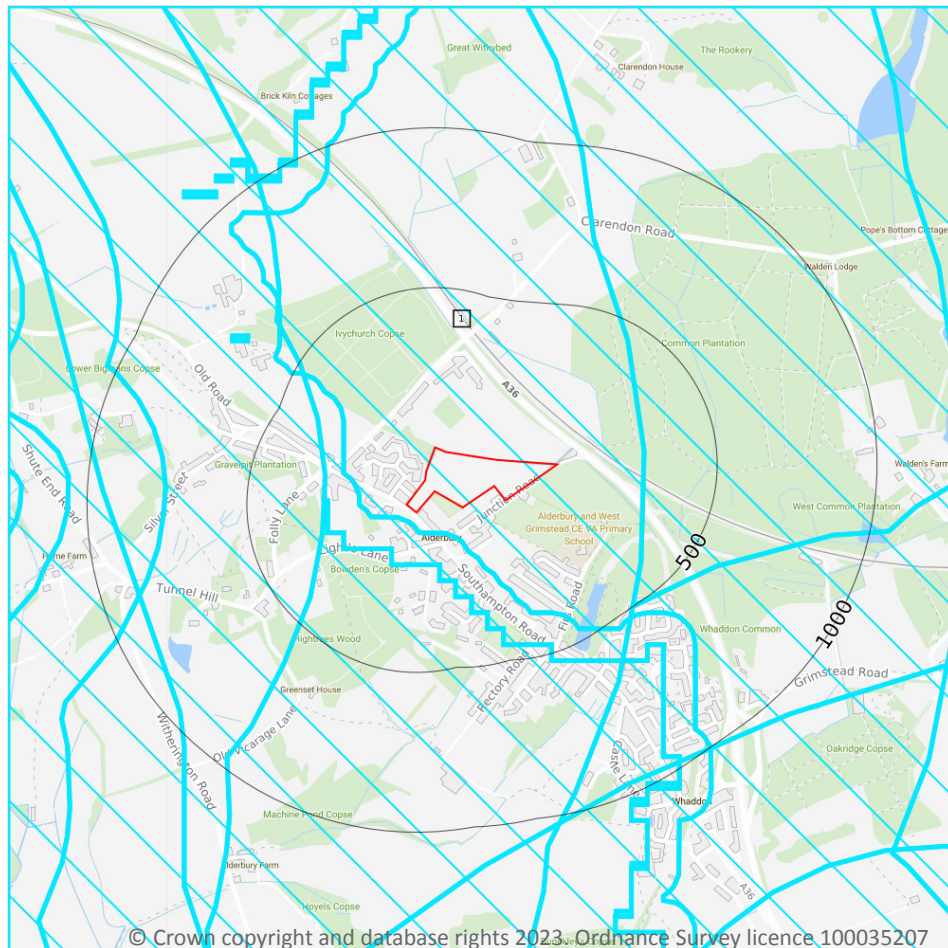
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	3	Existing
173m SW	South Wessex	Groundwater	151	Existing
1181m S	South Wessex	Groundwater	151	Existing
1306m SE	Hamble Estuary Eutrophic NVZ (TraC)	Eutrophic Water	3	Existing
1696m N	Hampshire Chalk	Groundwater	143	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 58](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines and underground cables, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals. Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t). Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements. NUTRIENT IMPACT AREA. For new development with overnight accommodation Reg 63 of the Conservation of Habitats and Species Regulations 2017 must be applied and additional measures required. LPA to refer to Natural England's Nutrient Neutrality advice.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m

2

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

Features are displayed on the SSSI Impact Zones and Units map on [page 58](#) >

ID:	-
Location:	1259m W
SSSI name:	River Avon System
Unit name:	Hampshire Avon Lower (Upstream Fordingbridge).
Broad habitat:	
Condition:	Unfavourable - No change
Reportable features:	



Feature name	Feature condition	Date of assessment
Bullhead, <i>Cottus gobio</i>	-	-
H3260 Water courses of plain to montane levels with <i>R. fluitantis</i>	-	-
Lowland wetland including basin fen, valley fen, floodplain fen, waterfringe fen, spring/flush fen and raised bog lagg	-	-
Rivers and Streams	-	-
S1016 Desmoulin's whorl snail, <i>Vertigo moulinsiana</i>	-	-
S1095 Sea lamprey, <i>Petromyzon marinus</i>	-	-
S1096 Brook lamprey, <i>Lampetra planeri</i>	-	-
S1106 Atlantic salmon, <i>Salmo salar</i>	-	-

ID: -
 Location: 1814m W
 SSSI name: Britford Water Meadows
 Unit name: 1
 Broad habitat: Neutral Grassland - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Lowland neutral grassland (MG8)	Unfavourable - Recovering	03/07/2012
Lowland wet neutral grassland (MG11, MG13)	Unfavourable - Recovering	03/07/2012
S1016 Desmoulin's whorl snail, <i>Vertigo moulinsiana</i>	Not Recorded	01/01/1900

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**0**

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

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

11.5 Conservation Areas

Records within 250m**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 61](#) >

ID	Location	Name	District	Date of designation
1	230m W	Alderbury	Wiltshire	1980

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

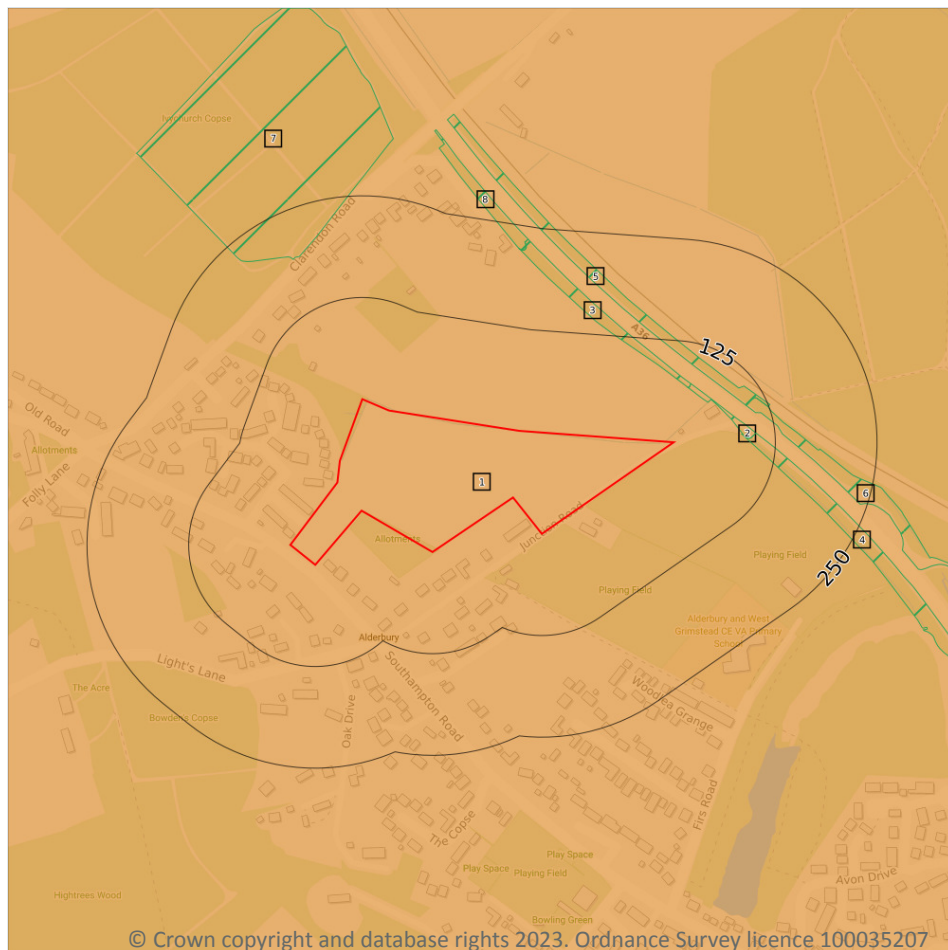
Records within 250m

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 64](#) >

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

7

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

Features are displayed on the Agricultural designations map on [page 64 >](#)

ID	Location	Description	Reference	Application date
2	64m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
3	70m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
4	89m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
5	90m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
6	100m E	Selective Fell/Thin (Unconditional)	018/366/15-16	-
7	192m NW	Selective Fell/Thin (Conditional)	018/346/16/17	-
8	220m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-

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**3**

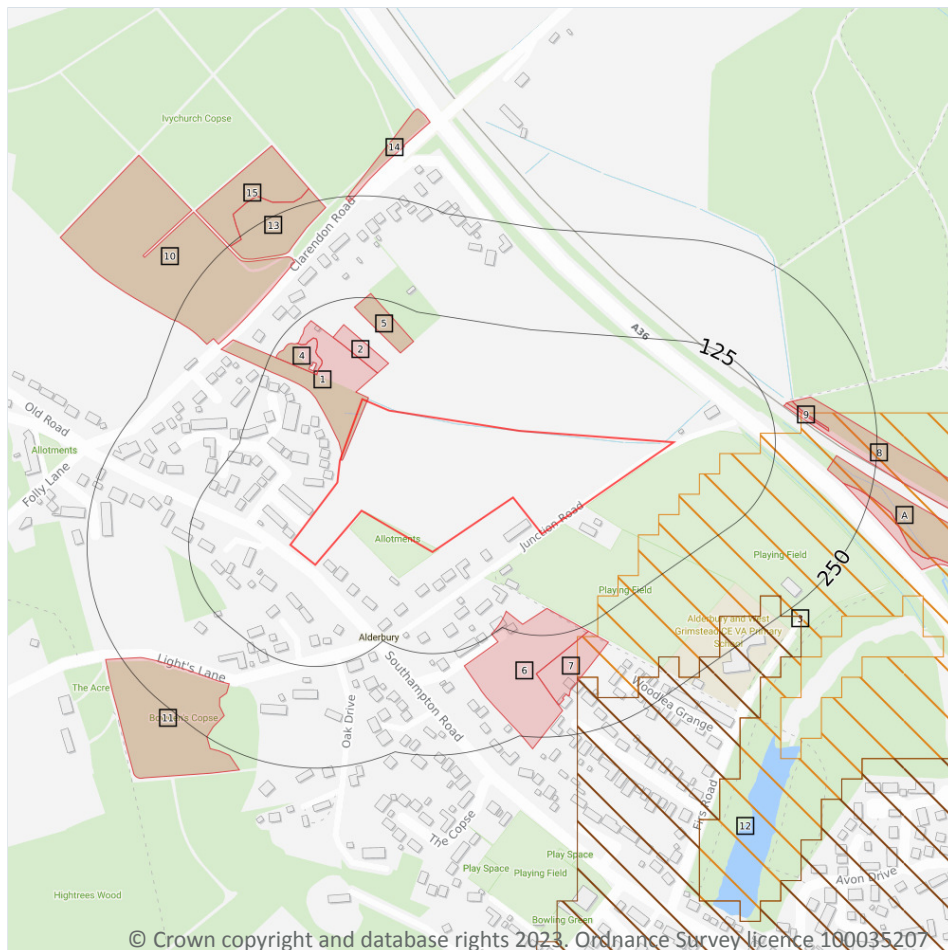
Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce diffuse water pollution.

Location	Reference	Scheme	Start Date	End Date
On site	704157	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
146m W	704157	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024
203m NW	704157	Countryside Stewardship (Middle Tier)	01/01/2020	31/12/2024

This data is sourced from Natural England.



13 Habitat designations



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

13.1 Priority Habitat Inventory

Records within 250m

15

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

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

ID	Location	Main Habitat	Other habitats
1	On site	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	37m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	64m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	71m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
6	92m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	133m SE	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
8	143m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	147m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
10	173m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	181m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	192m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	202m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	215m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	243m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	246m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

2

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

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

ID	Location	Type	Habitat
3	50m E	Network Enhancement Zone 1	Not specified
12	182m SE	Network Enhancement Zone 2	Not specified

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

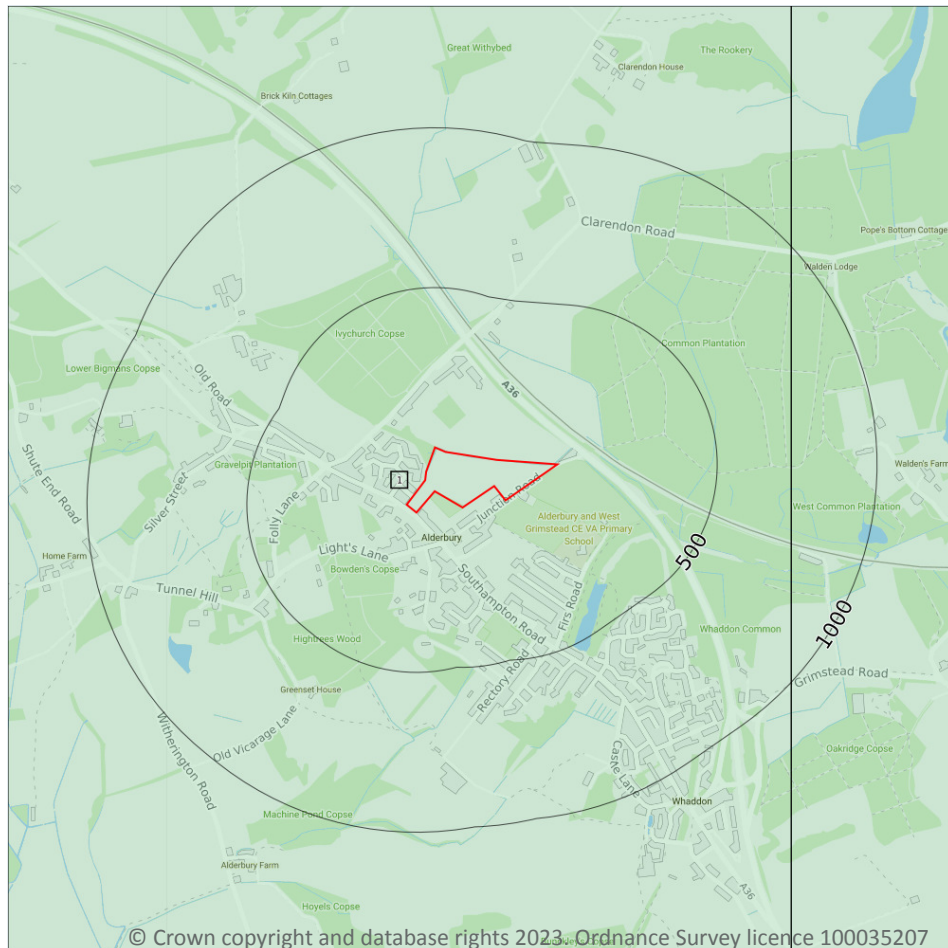
Records within 250m**0**

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.

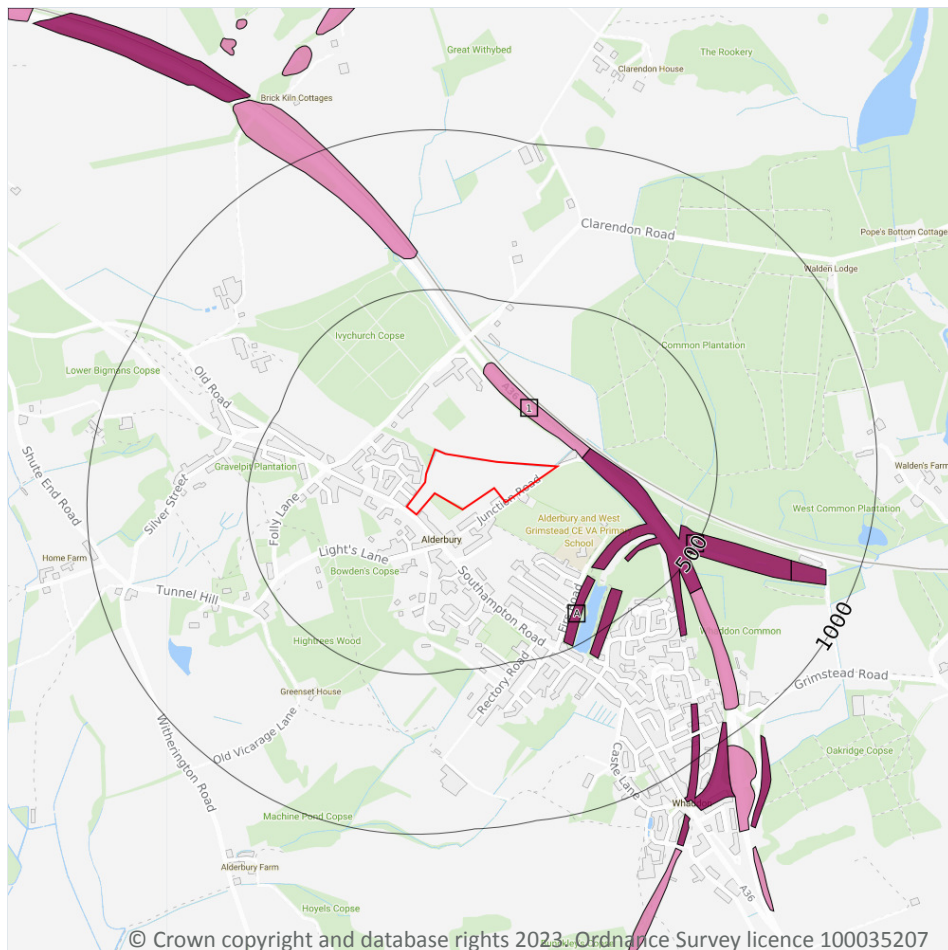
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 70](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	SU12NE

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

4

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

Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 71](#) >

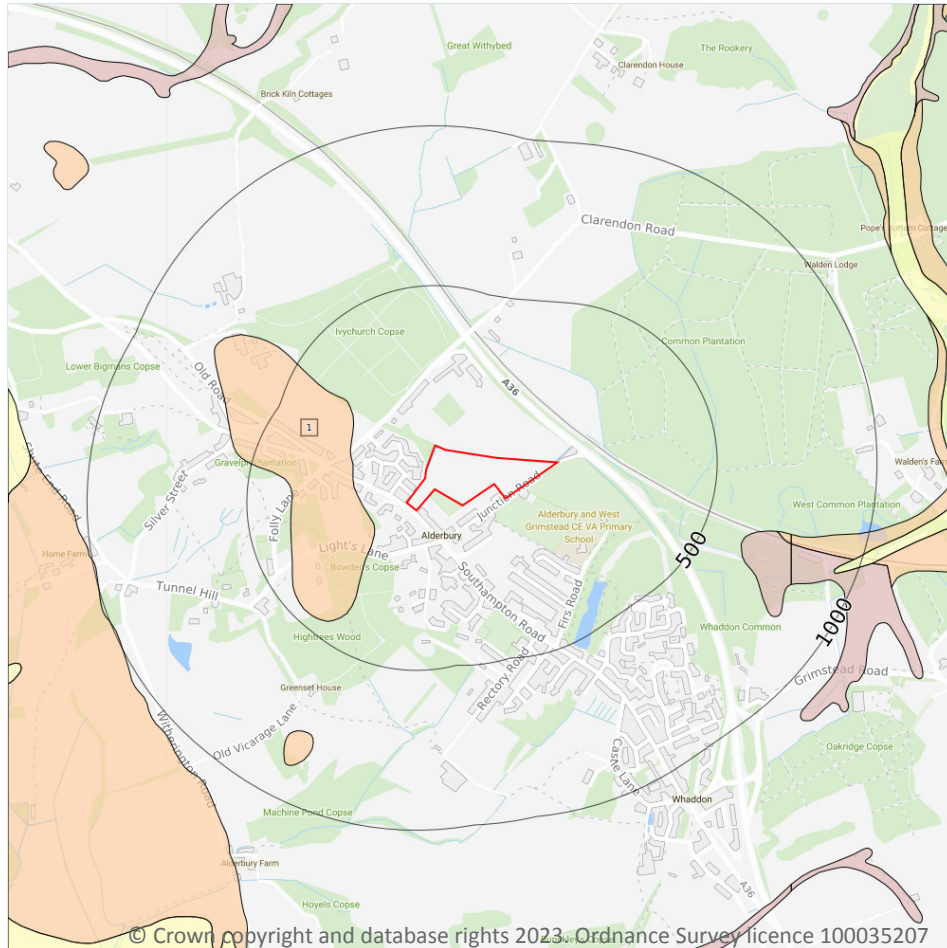
ID	Location	LEX Code	Description	Rock description
1	71m E	WGR-VOID	Worked Ground (Undivided)	Void
2	82m E	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	334m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit
A	410m SE	MGR-ARTDP	Made Ground (Undivided)	Artificial Deposit



This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (10k)
- Superficial geology (10k)
Please see table for more details.

14.3 Superficial geology (10k)

Records within 500m

1

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

Features are displayed on the Geology 1:10,000 scale - Superficial map on [page 73](#) >

ID	Location	LEX Code	Description	Rock description
1	122m SW	RTD9-XSV	River Terrace Deposits, 9 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.



14.4 Landslip (10k)

Records within 500m

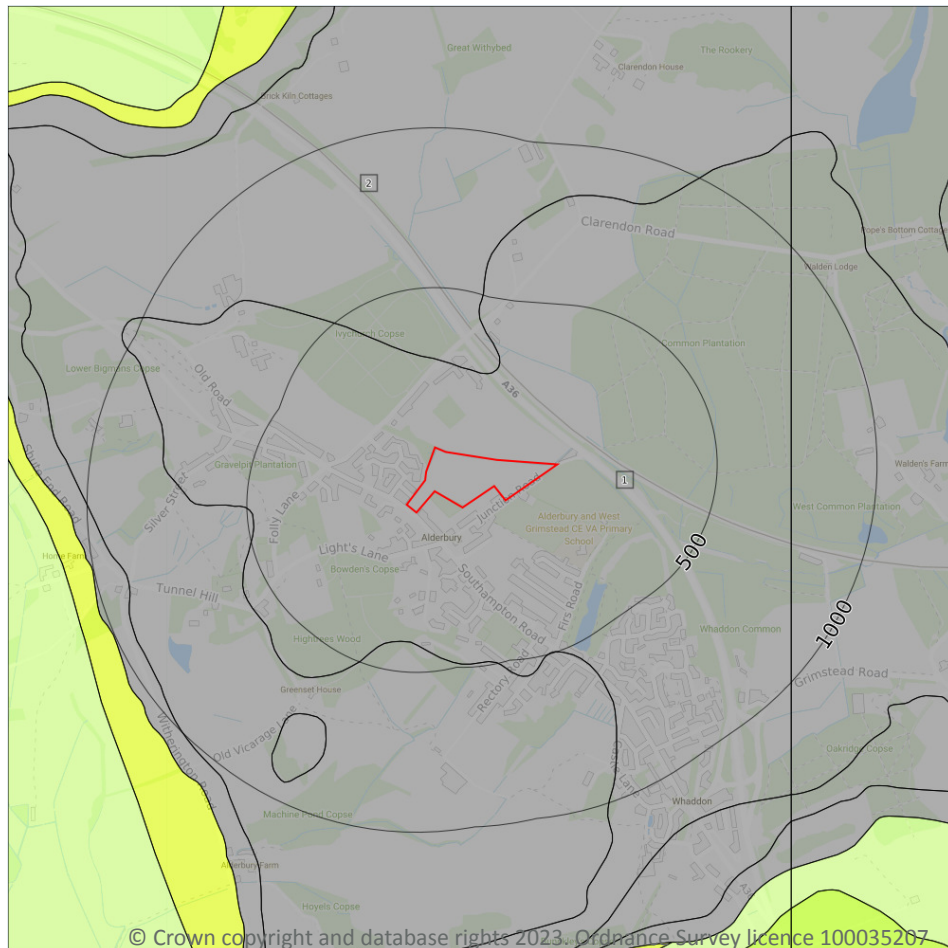
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (10k)

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

14.5 Bedrock geology (10k)

Records within 500m

2

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

Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 75 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	WTT-SSCL	Wittering Formation - Sand, Silt And Clay	Lutetian Age - Ypresian Age
2	260m N	LC-CLAY	London Clay Formation - Clay	Eocene Epoch

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

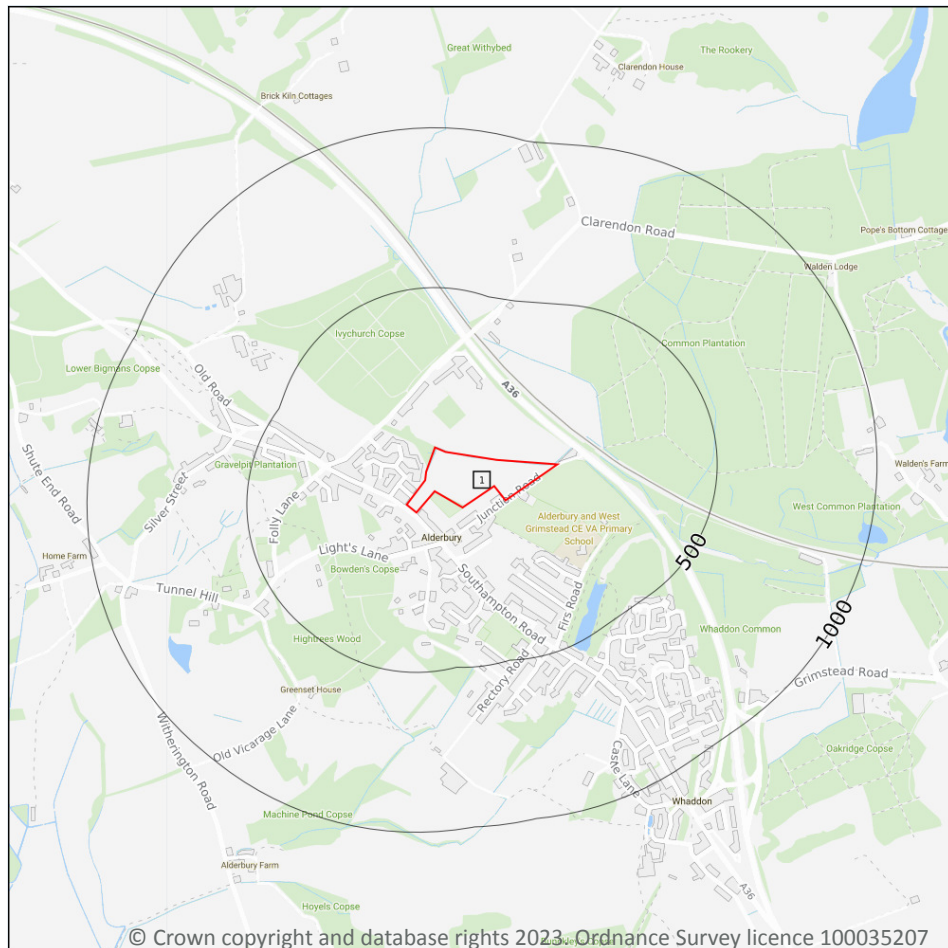
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline

Search buffers in metres (m)

□ Geological map tile

15.1 50k Availability

Records within 500m

1

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

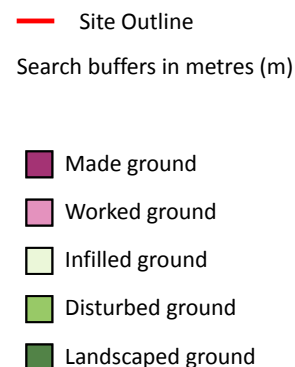
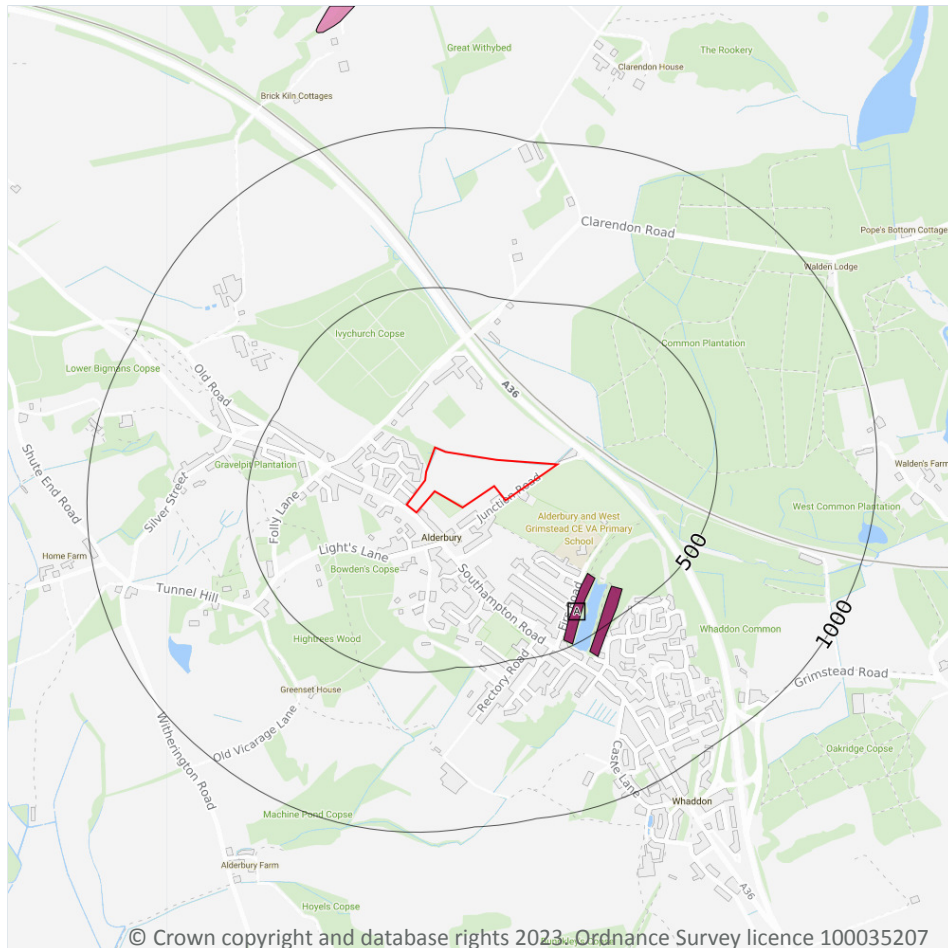
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 77](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW298_salisbury_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

2

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 78](#) >

ID	Location	LEX Code	Description	Rock description
A	334m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT
A	410m SE	MGR-ARTDP	MADE GROUND (UNDIVIDED)	ARTIFICIAL DEPOSIT

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

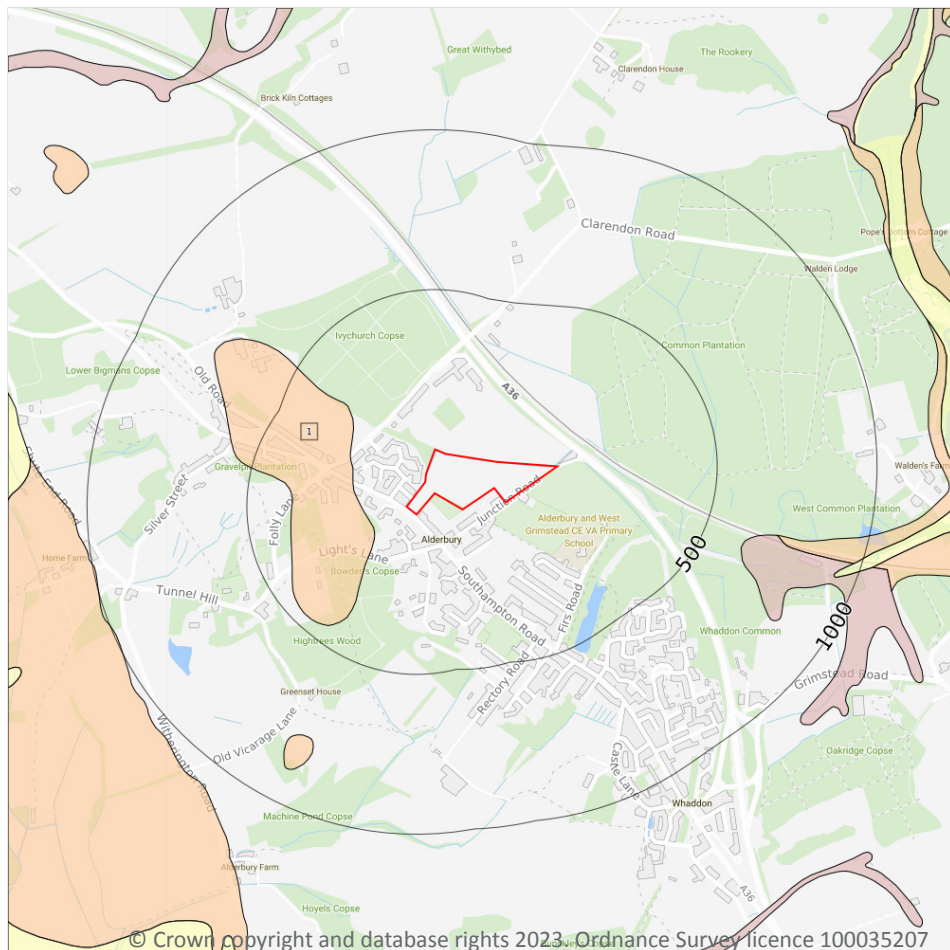
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on [page 80](#) >

ID	Location	LEX Code	Description	Rock description
1	122m SW	RTD9-XSV	RIVER TERRACE DEPOSITS, 9	SAND AND GRAVEL

This data is sourced from the British Geological Survey.



15.5 Superficial permeability (50k)

Records within 50m

0

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

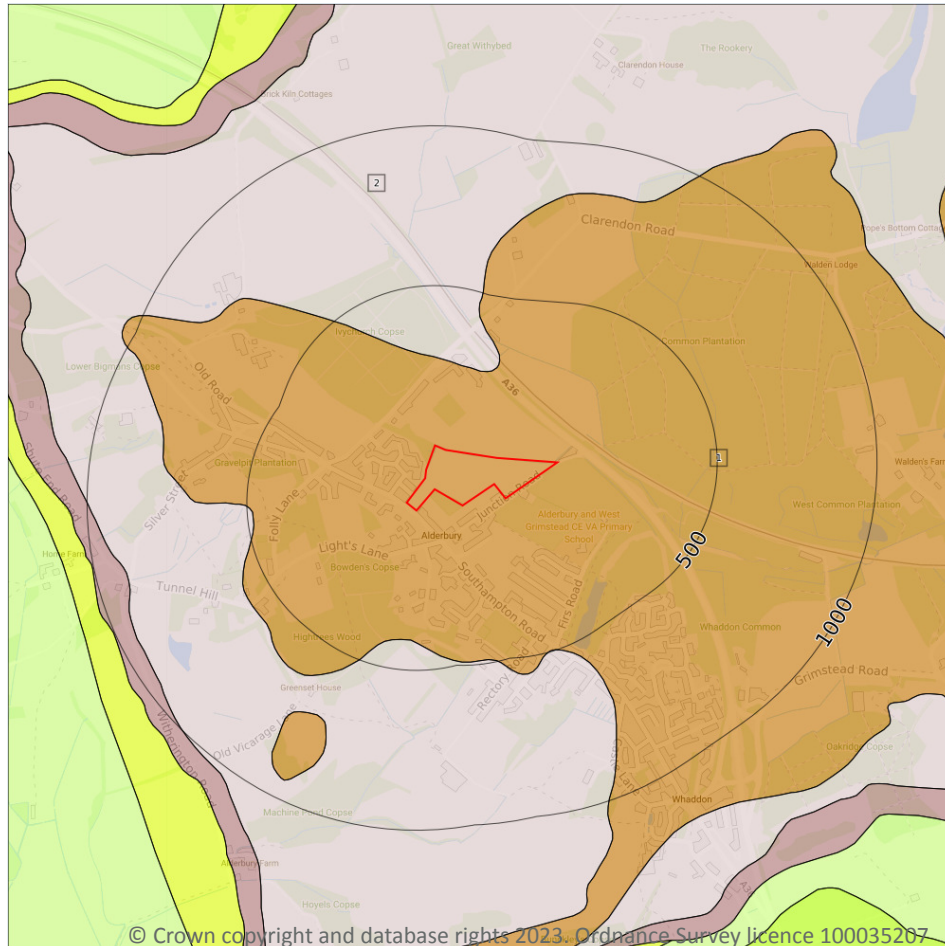
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

.... Bedrock faults and other linear features (50k)

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

15.8 Bedrock geology (50k)

Records within 500m

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 82 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	WTT-XSZC	WITTERING FORMATION - SAND, SILT AND CLAY	YPRESIAN
2	260m N	LC-C	LONDON CLAY FORMATION - CLAY	YPRESIAN

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	Intergranular	High	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



— Site Outline
Search buffers in metres (m)

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

16.1 BGS Boreholes

Records within 250m

2

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

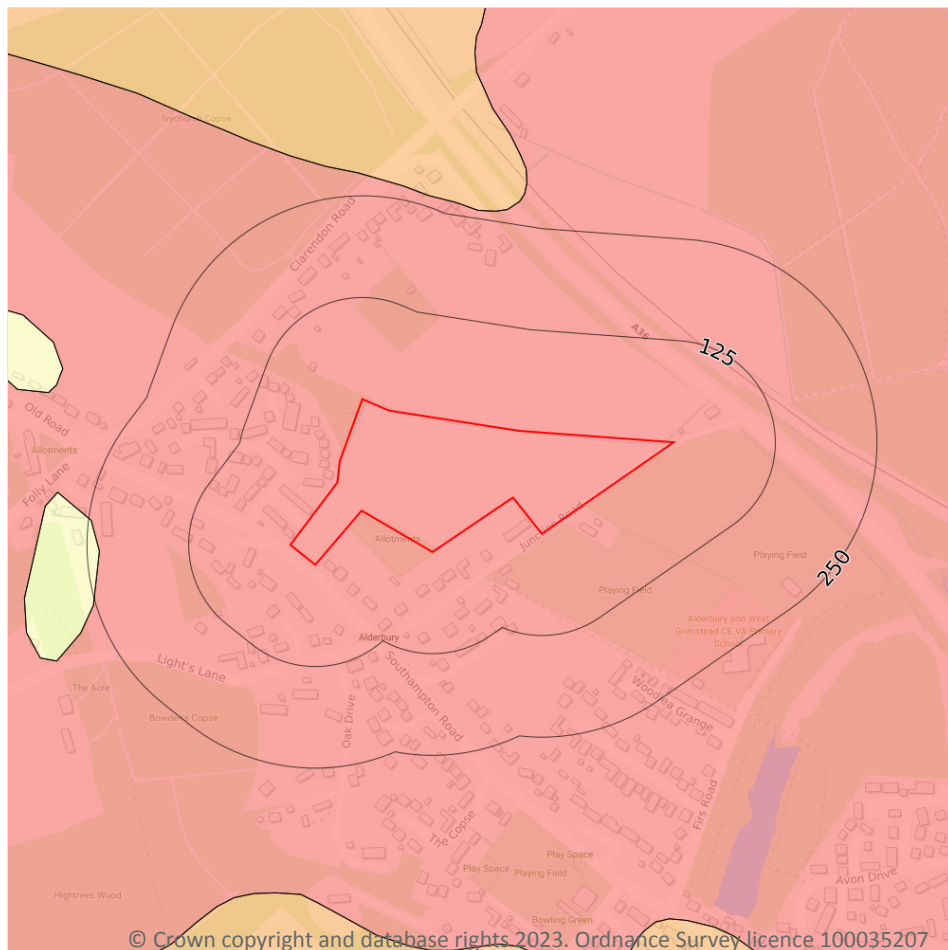
Features are displayed on the Boreholes map on [page 84](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	52m E	419320 127320	A36 WHADDON TO PETERSFINGER IMP. SCHEME 4	6.1	N	17311457 ↗
A	62m E	419330 127320	TRUNK ROAD PETERSFINGER 4	6.1	N	400982 ↗

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).

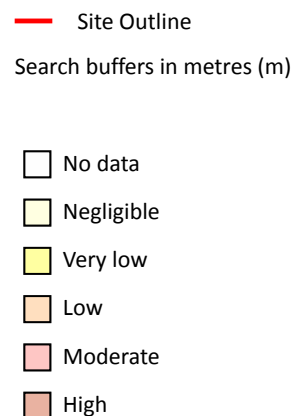
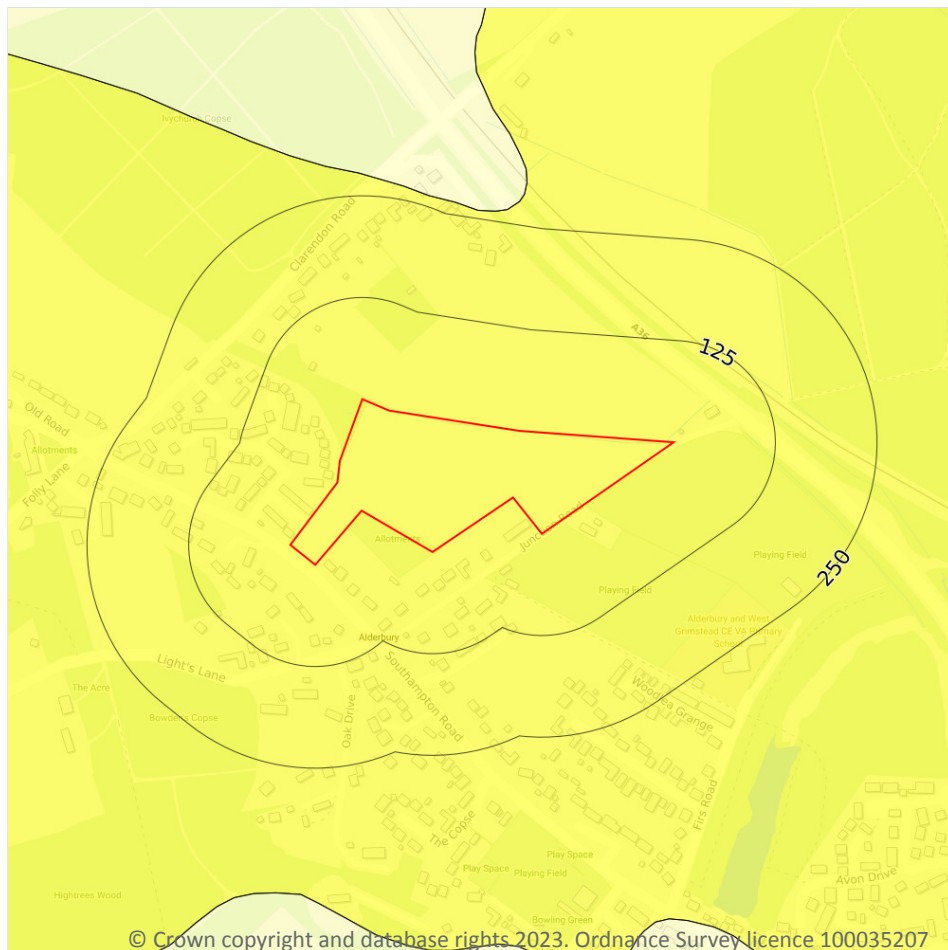
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 85 >](#)

Location	Hazard rating	Details
On site	Moderate	Ground conditions predominantly high plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



17.2 Running sands

Records within 50m

1

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

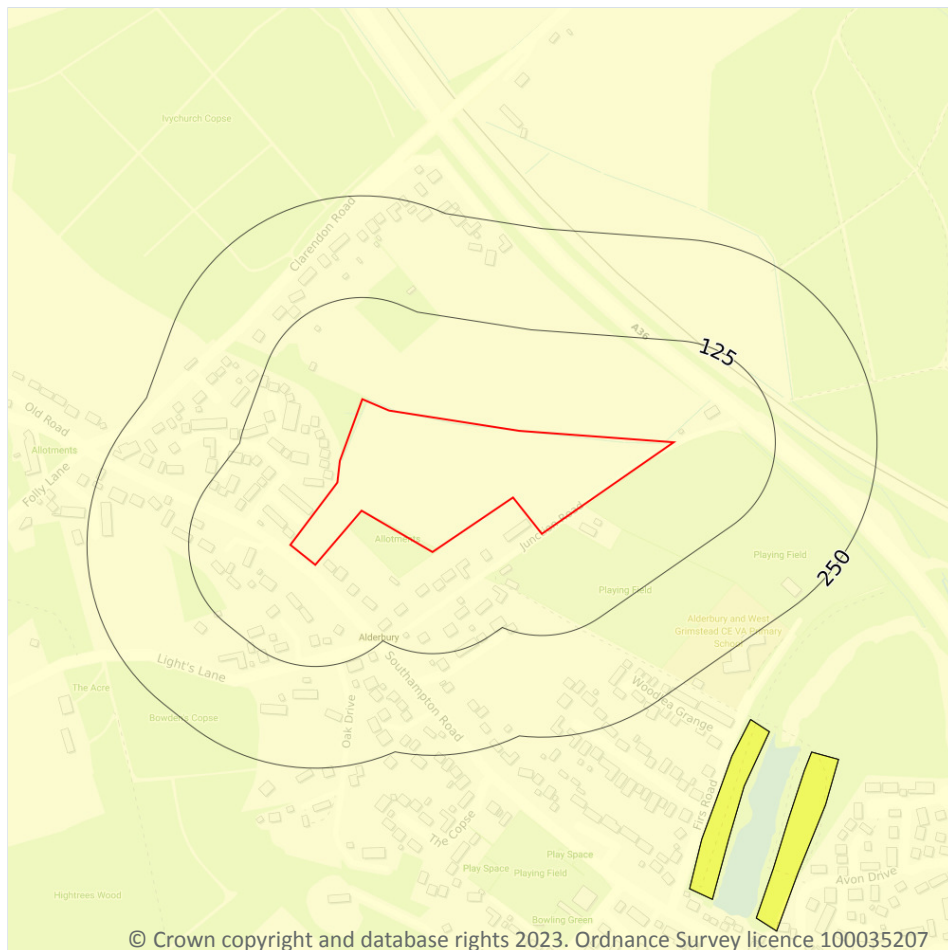
Features are displayed on the Natural ground subsidence - Running sands map on [page 86 >](#)

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.

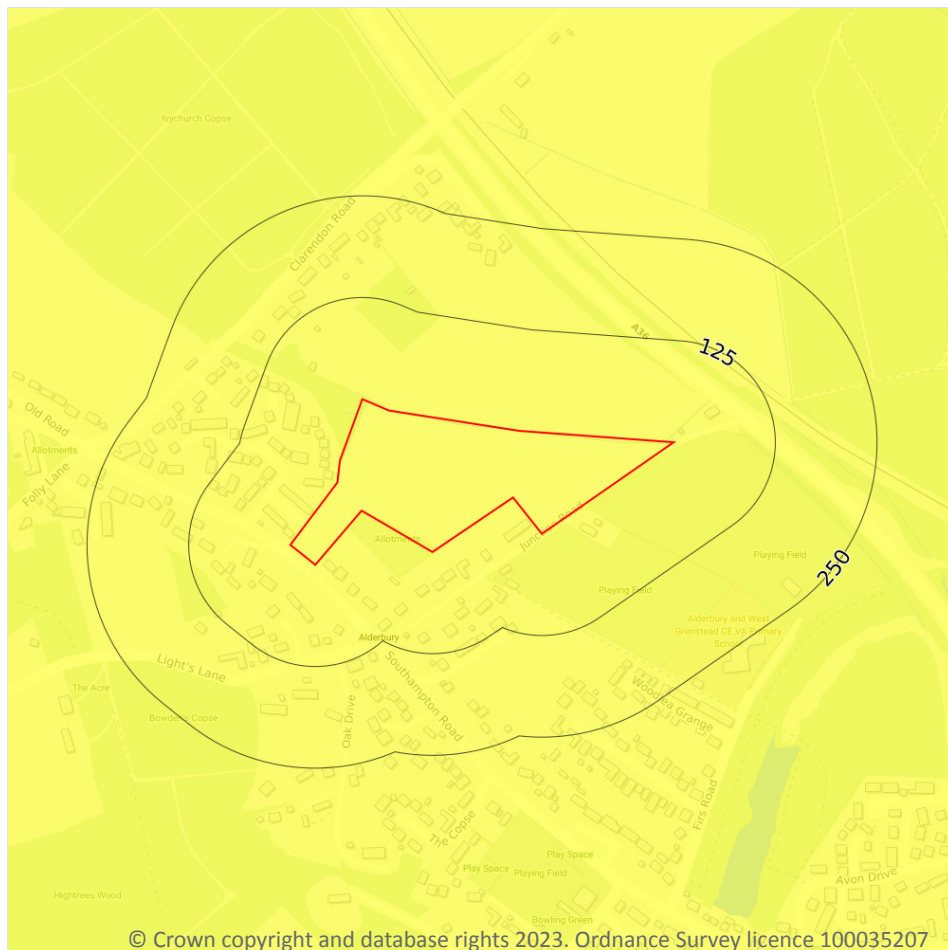
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 87 >](#)

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.

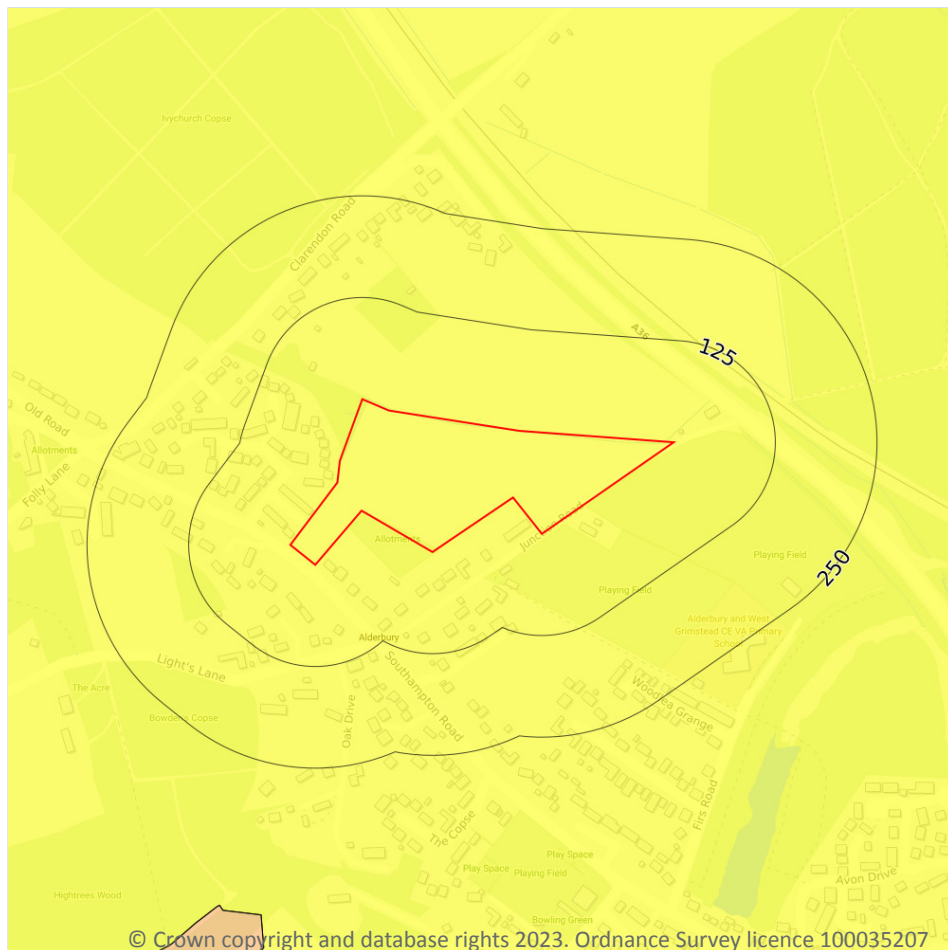
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 88](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

1

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

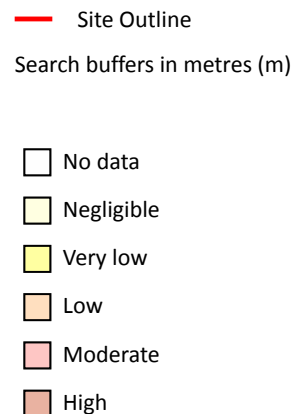
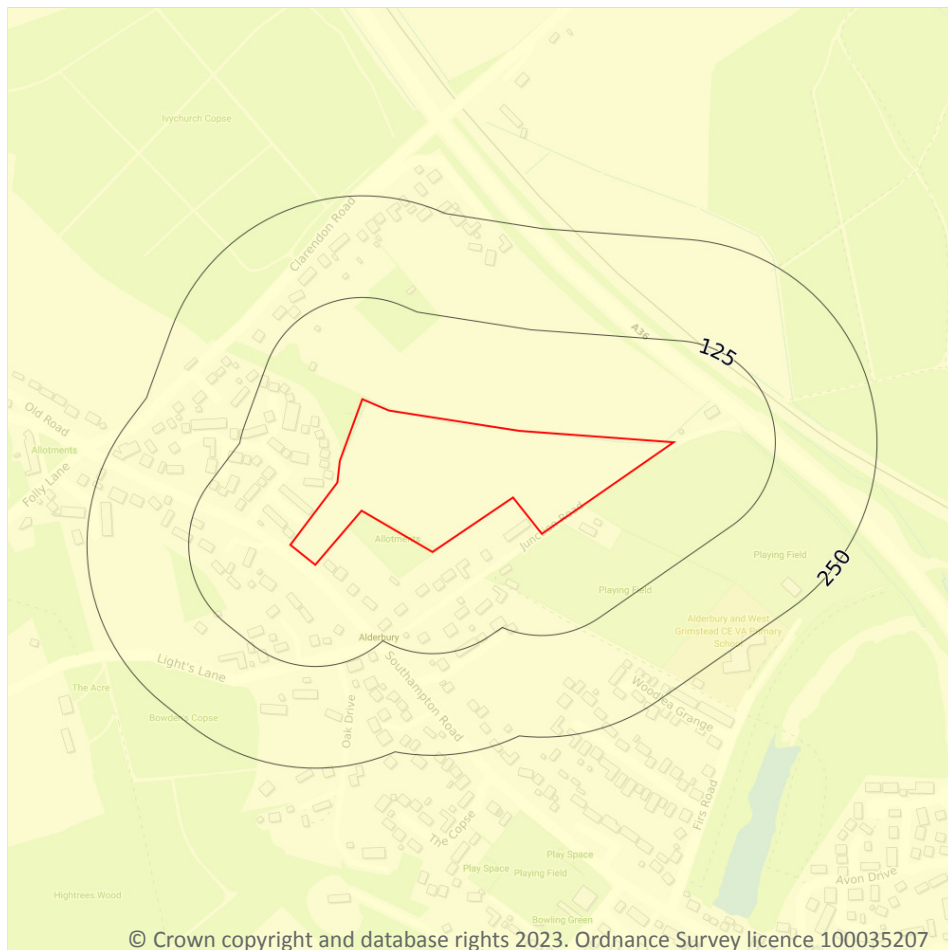
Features are displayed on the Natural ground subsidence - Landslides map on [page 89](#) >

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



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 90](#)

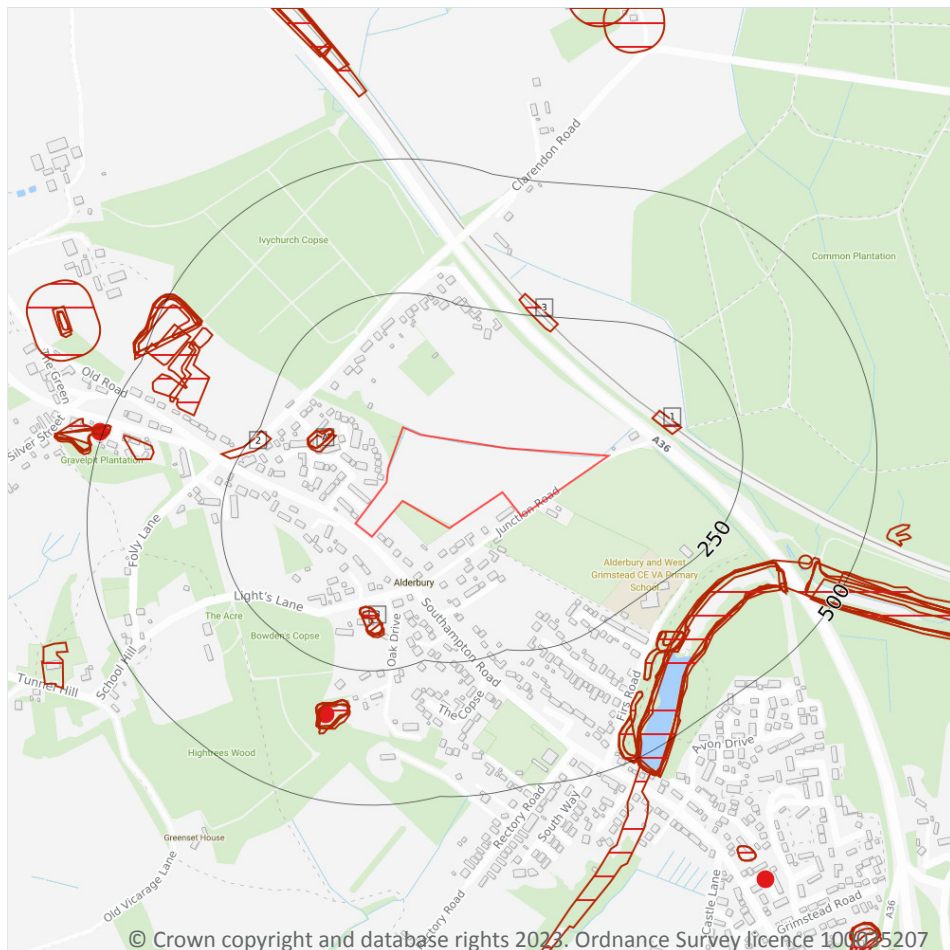
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



This data is sourced from the British Geological Survey.



18 Mining and ground workings



- Site Outline
- Search buffers in metres (m)
- BritPits
- Surface ground workings
- Underground workings
- Underground mining extents
- Historical mineral planning areas
- TCA non-coal mining
- Non Coal Mining
 - Sporadic underground mining of restricted extent possible
 - Localised small scale underground mining possible
 - Small scale mining possible
 - Underground mining known or likely within or in close proximity
 - Underground mining known within or in very close proximity

18.1 BritPits

Records within 500m

1

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

Features are displayed on the Mining and ground workings map on [page 92 >](#)

ID	Location	Details	Description
C	341m SW	Name: Hightrees Wood Sand Pit Address: Alderbury, SALISBURY, Wiltshire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

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

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 92 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
1	107m E	Cuttings	1872	1:10560
A	112m W	Unspecified Heap	1961	1:10560
A	119m W	Unspecified Heap	1926	1:10560
A	119m W	Unspecified Heap	1926	1:10560
A	119m W	Unspecified Heap	1926	1:10560
B	131m SW	Unspecified Heaps	1926	1:10560
B	131m SW	Unspecified Heaps	1926	1:10560
B	132m SW	Unspecified Ground Workings	1926	1:10560
B	139m SW	Unspecified Heap	1961	1:10560
B	163m SW	Unspecified Heap	1961	1:10560
2	221m W	Cuttings	1872	1:10560
3	223m NE	Cuttings	1872	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 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
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Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

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

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

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

18.14 Gypsum areas

Records on site	0
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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.

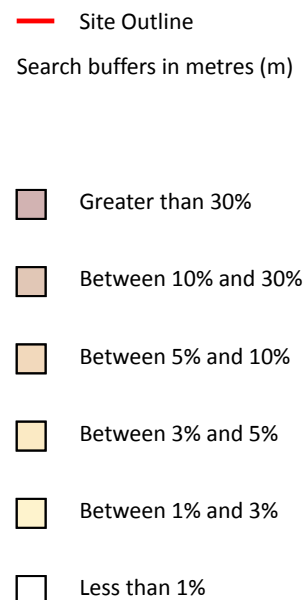
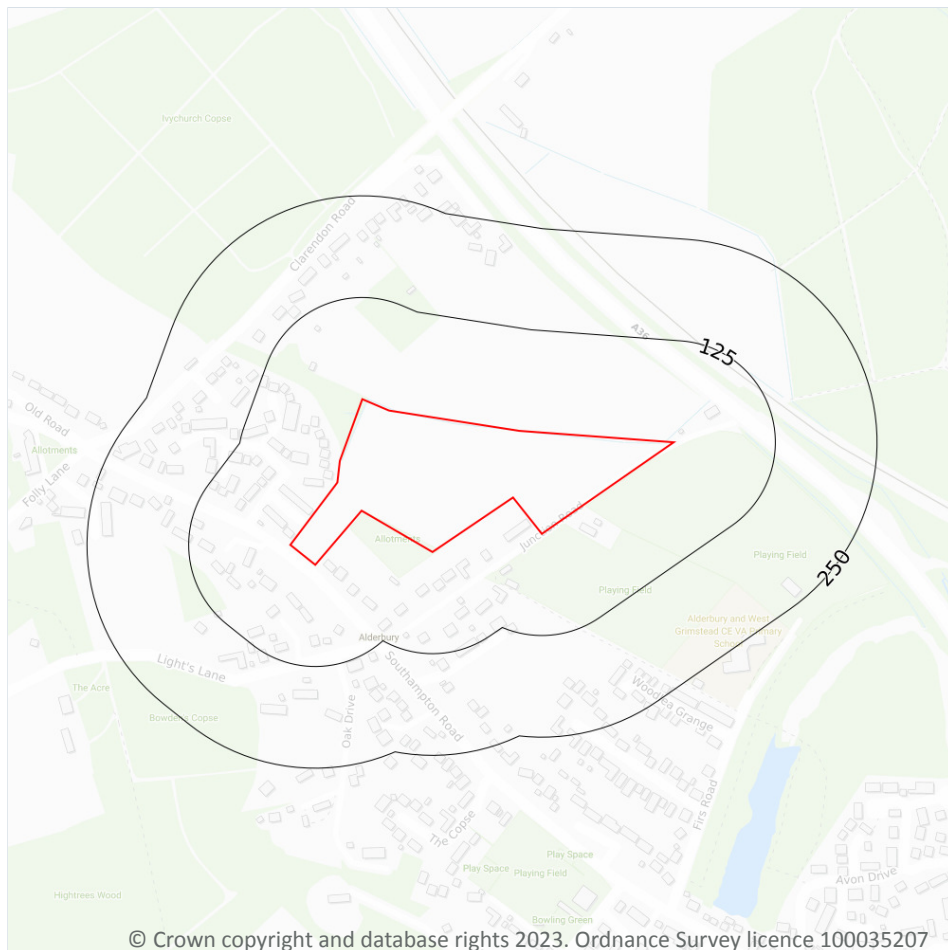
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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



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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 99](#) >

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 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

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

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

Estimated topsoil chemistry of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc and bioaccessible Arsenic and Lead in 23 urban centres across Great Britain. These estimates are derived from interpolation of the measured urban topsoil data referred to above and provide information across each city between the measured sample locations (4 per km²).

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

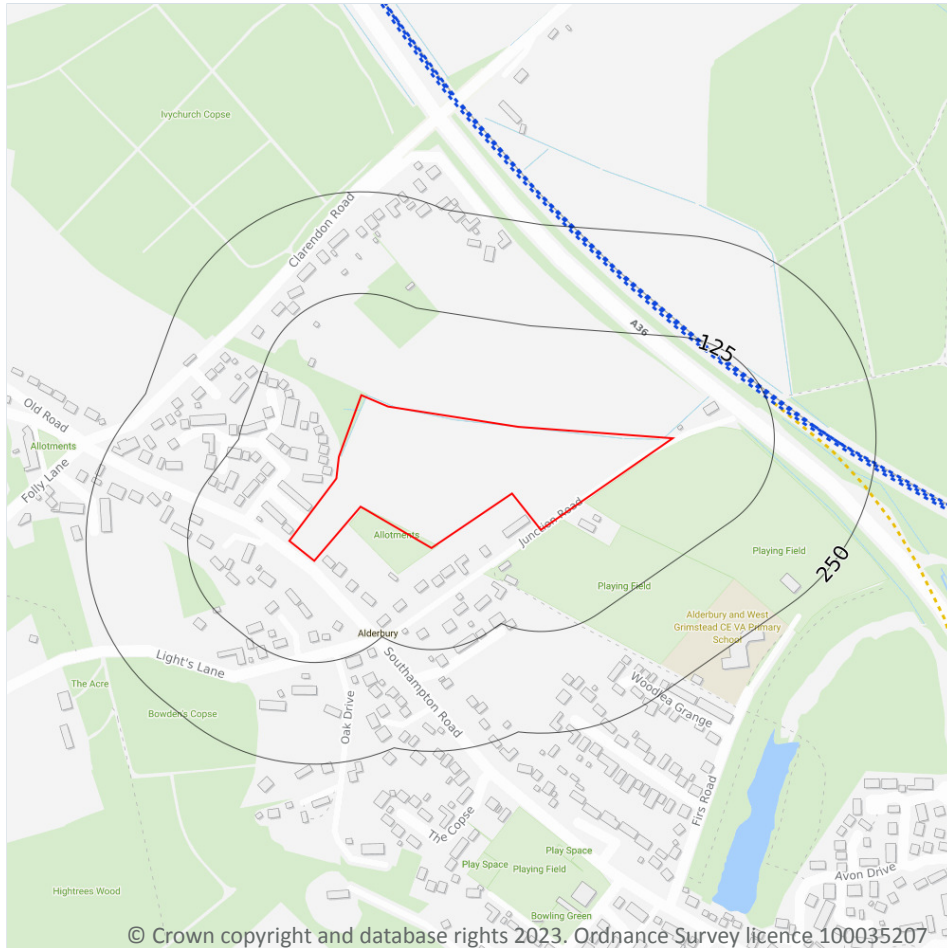
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The locations and measured total concentrations (mg/kg) of Arsenic, Cadmium, Chromium, Copper, Nickel, Lead, Tin and Zinc in urban topsoil samples from 23 urban centres across Great Britain. These are collected at a sample density of 4 per km².

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



- Site Outline
- Search buffers in metres (m)
- C1 Crossrail 1 Stations
- Crossrail 1 Route
- C2 Crossrail 2 Stations
- Crossrail 2 Route
- Crossrail 2 Worksites
- Crossrail 2 Safeguarding
- Crossrail 2 Headhouses
- Railway stations
- Active railways
- Active tunnels
- Abandoned railways
- Historic railways
- Historic tunnels
- Underground stations
- Underground Lines
- Royal Mail tunnels
- HS2 optimised route
- HS2 Stations
- HS2 Depots
- HS2 Surface Safeguarding
- HS2 Subsurface Safeguarding

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

1

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

Features are displayed on the Railway infrastructure and projects map on [page 102 >](#)

Location	Description
132m E	Abandoned

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

5

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on [page 102 >](#)

Location	Name	Type
110m E	Redbridge to Tunnel Junction Line	rail
113m E	Redbridge to Tunnel Junction Line	rail
115m E	Not given	Multi Track
175m E	Not given	Multi Track
205m E	Not given	Multi Track

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m

0

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



This data is sourced from HS2 Ltd.



Data providers

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

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Appendix III





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Site Details:

Land at Southampton Road and Junction Road, Southampton Road, Alderbury, Salisbury, SP5 3AG

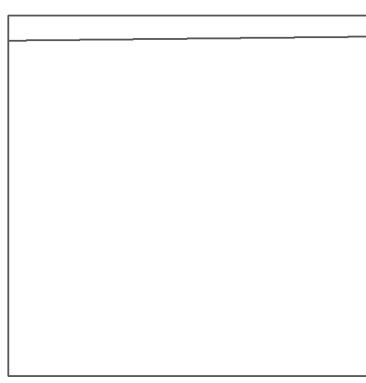
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Grid Ref: 419032, 127265

Map Name: County Series

Map date: 1872

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1872
Revised 1872
Edition N/A
Copyright N/A
Levelled N/A



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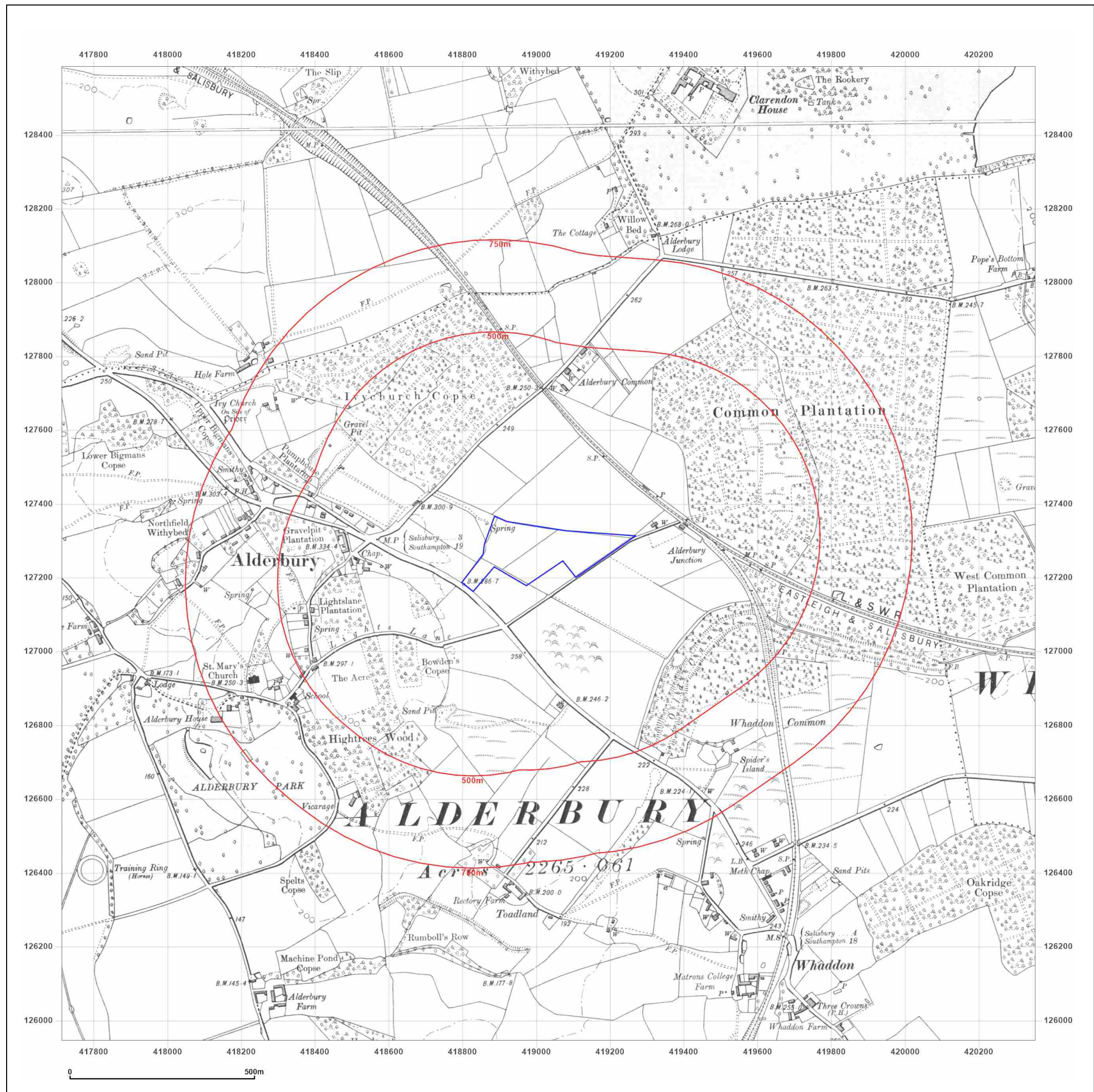


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3AG

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Report Ref: EMS-909430_1159938
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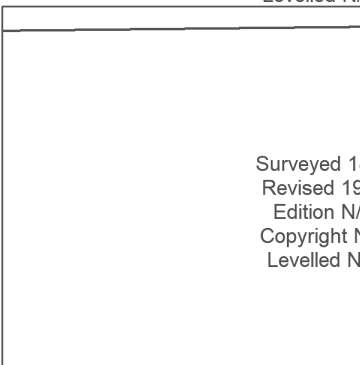
Map date: 1900

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1875
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Edition N/A
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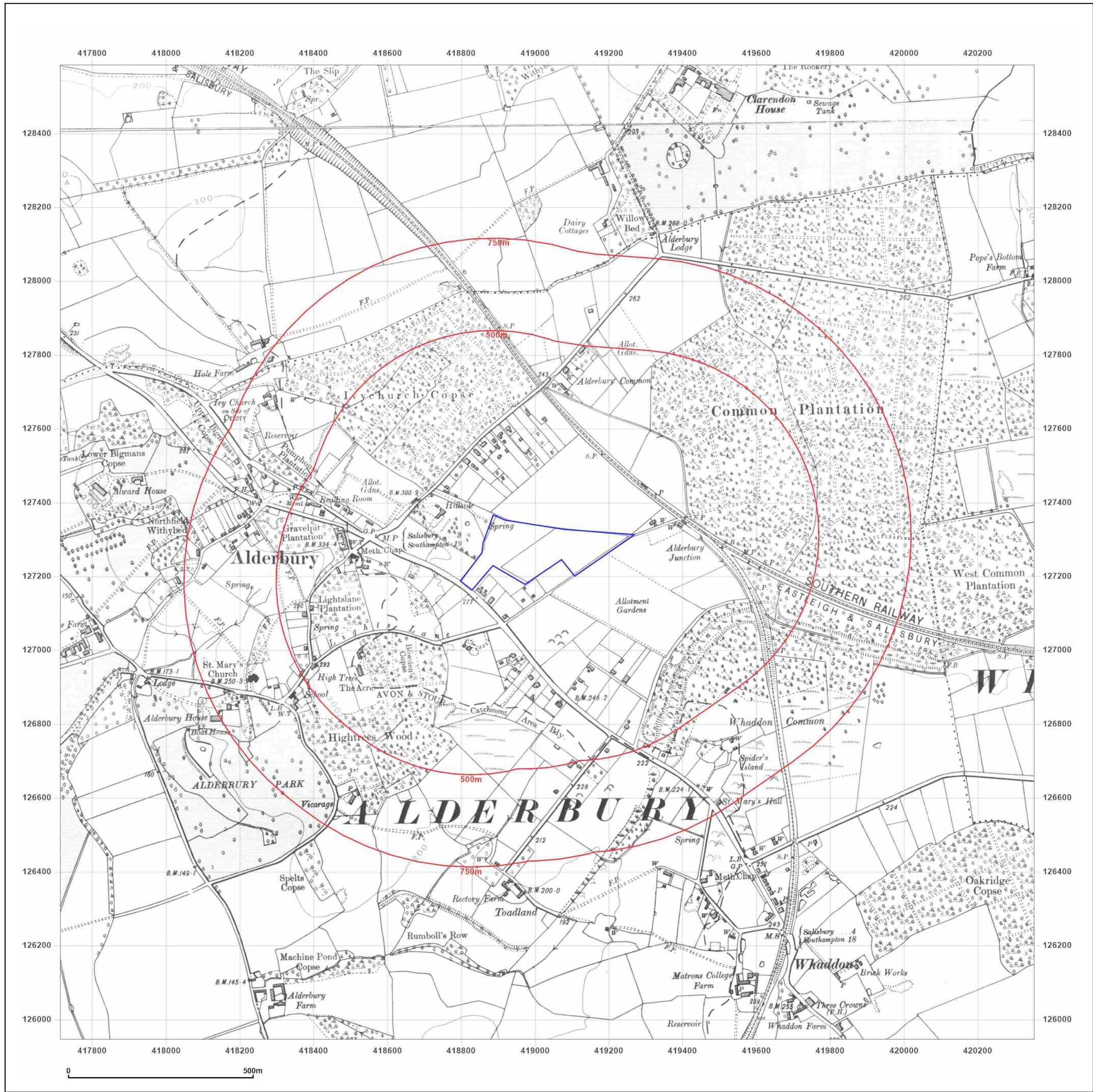


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Client Ref: EMS_909430_1126598
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Grid Ref: 419032, 127265

Map Name: County Series

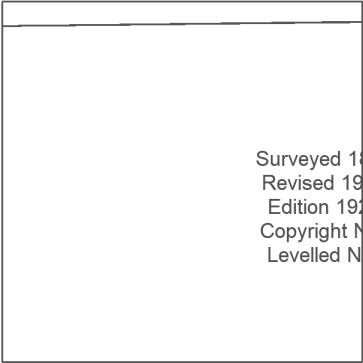
Map date: 1926

Scale: 1:10,560

Printed at: 1:10,560



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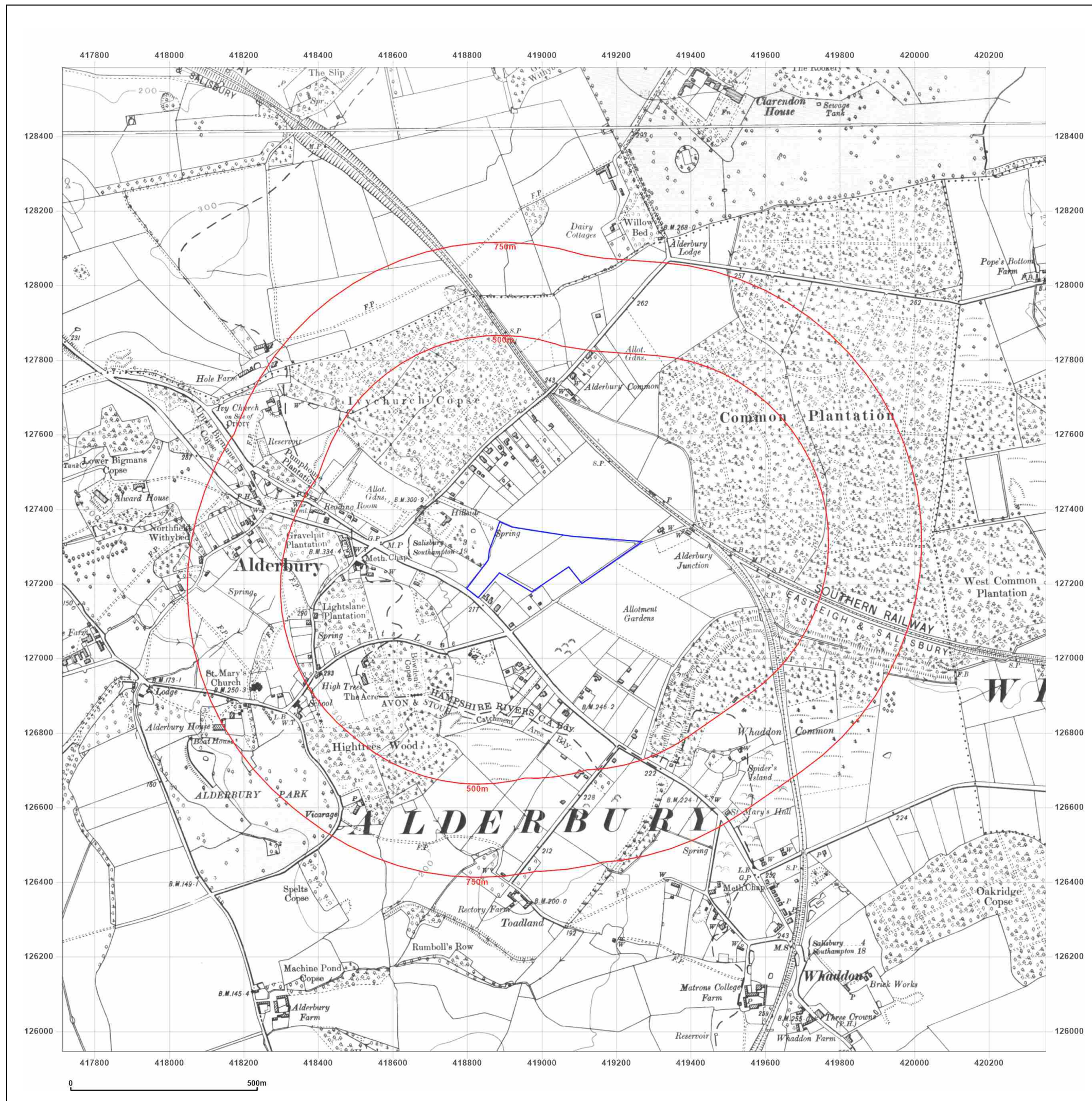


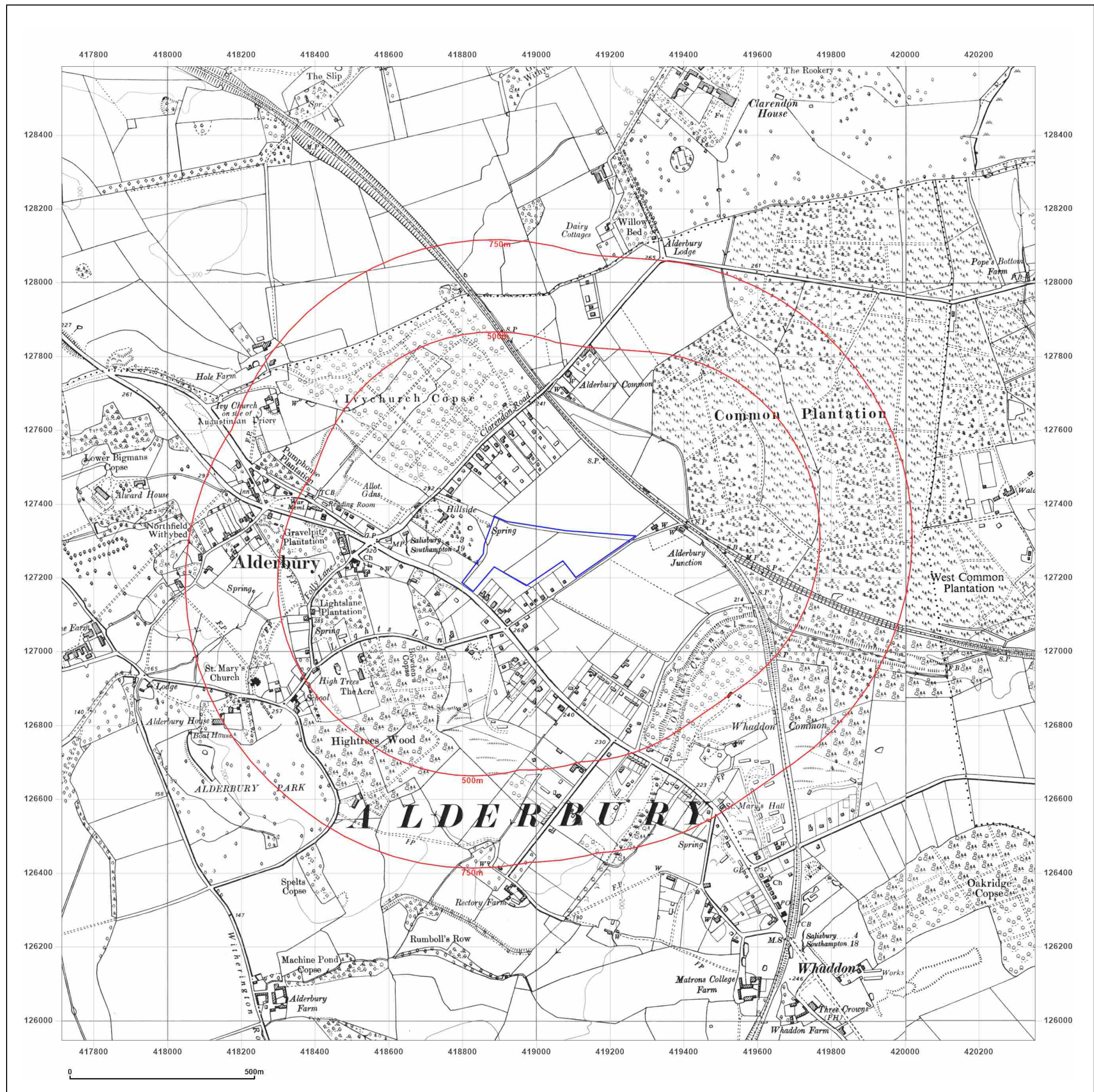
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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938
Grid Ref: 419032, 127265

Map Name: Provisional
Map date: 1957-1962
Scale: 1:10,560
Printed at: 1:10,560



Surveyed N/A
Revised 1961
Edition N/A
Copyright 1962
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Surveyed 1957
Revised 1957
Edition N/A
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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938
Grid Ref: 419032, 127265

Map Name: Provisional

Map date: 1966

Scale: 1:10,560

Printed at: 1:10,560



Surveyed N/A
Revised 1966
Edition N/A
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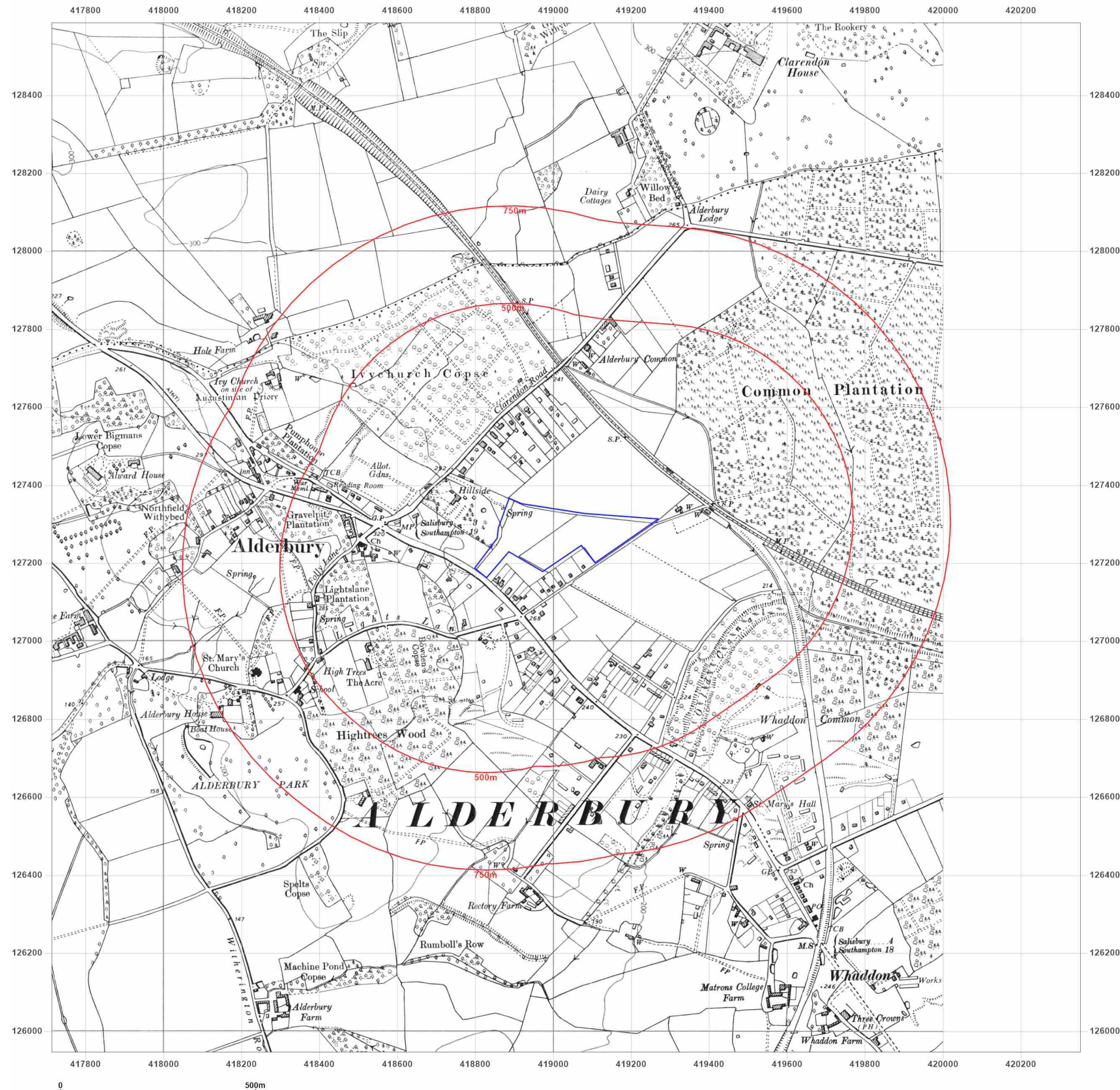


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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938
Grid Ref: 419032, 127265

Map Name: National Grid

Map date: 1975

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
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Surveyed 1971
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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938
Grid Ref: 419032, 127265

Map Name: National Grid

Map date: 1985

Scale: 1:10,000

Printed at: 1:10,000



Surveyed 1972
Revised 1985
Edition N/A
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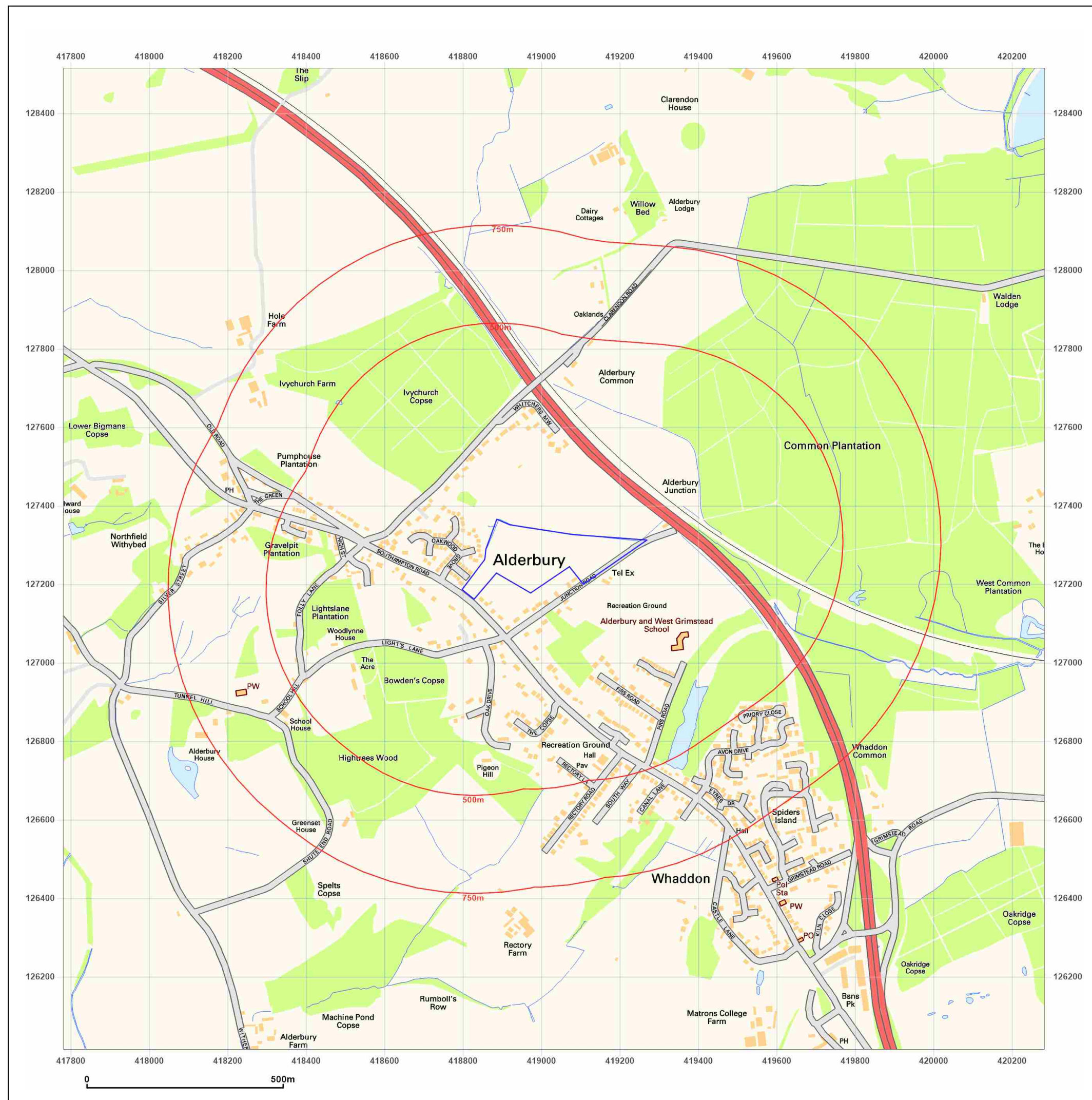


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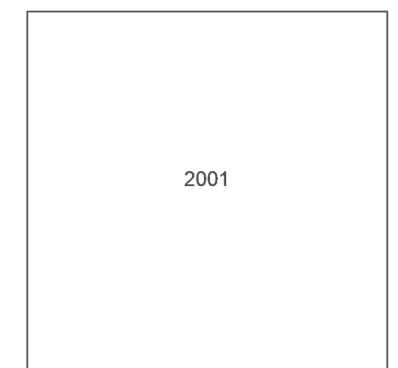
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Report Ref: EMS-909430_1159938
Grid Ref: 419032, 127265

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000



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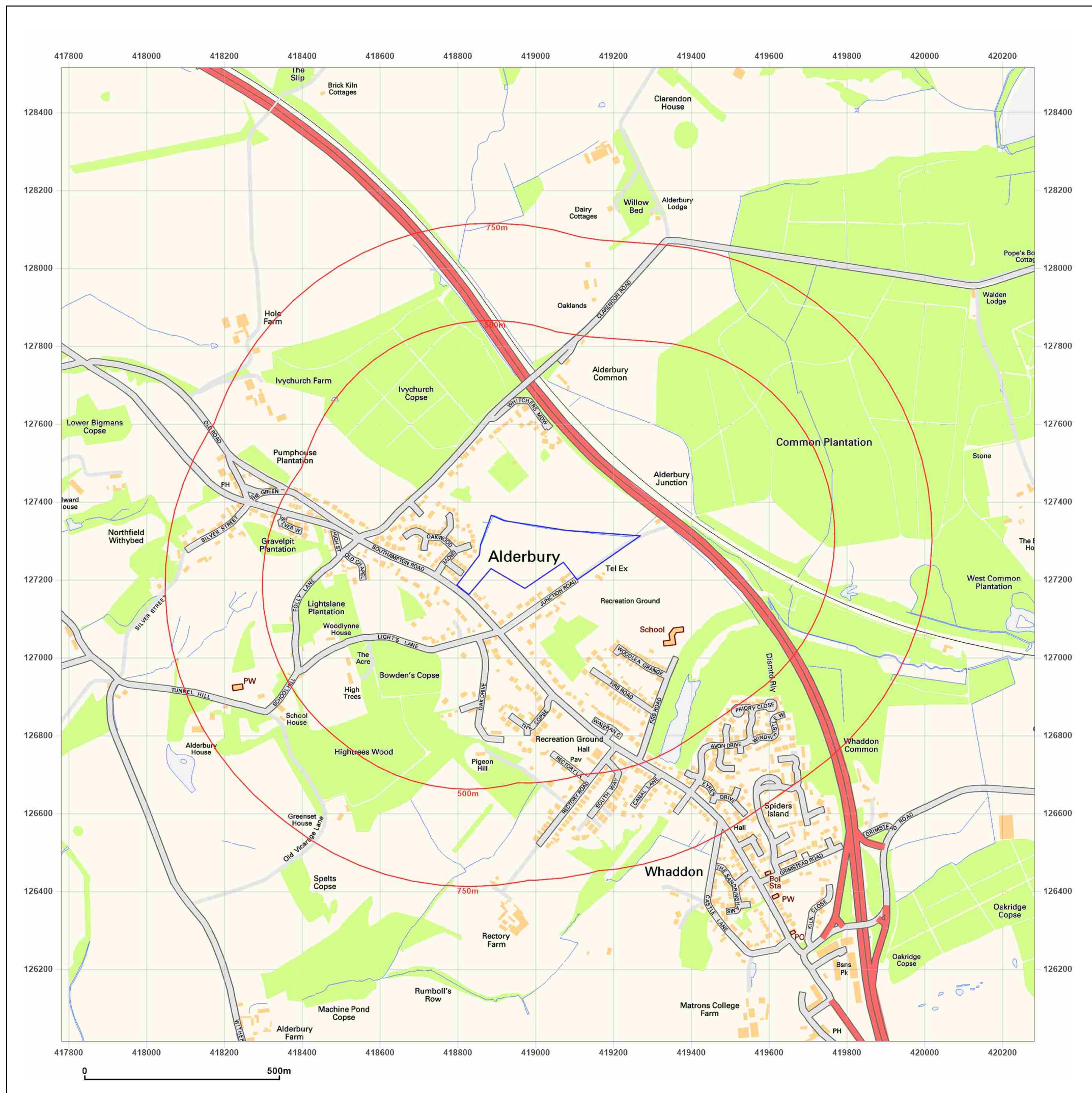


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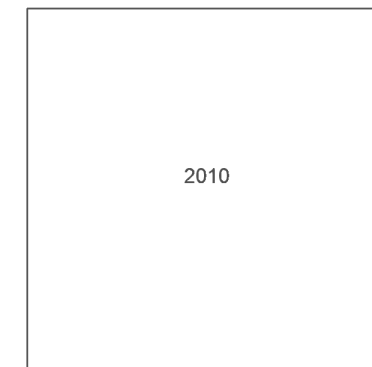
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Report Ref: EMS-909430_1159938
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Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



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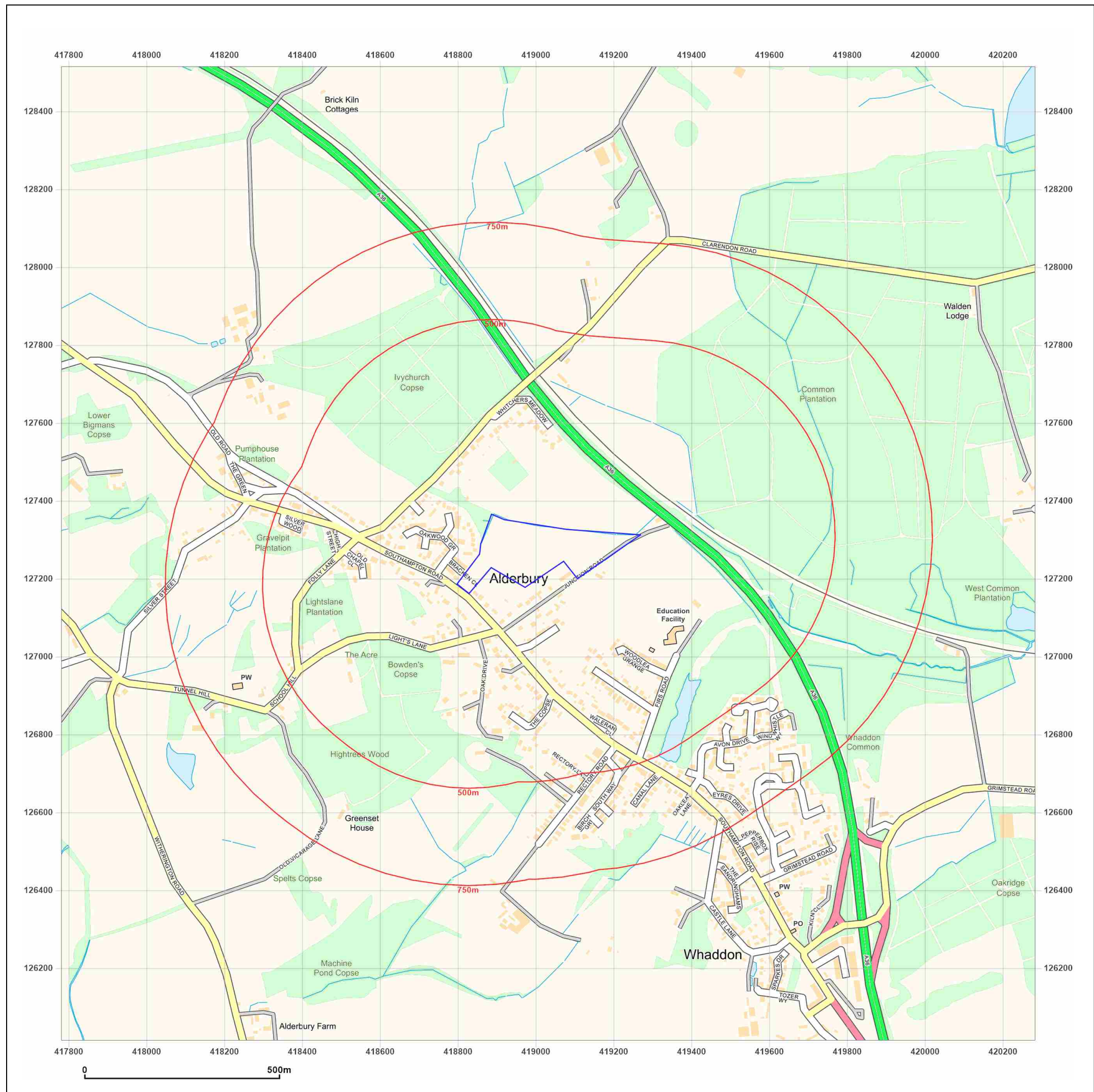


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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938
Grid Ref: 419032, 127265

Map Name: National Grid

Map date: 2023

Scale: 1:10,000

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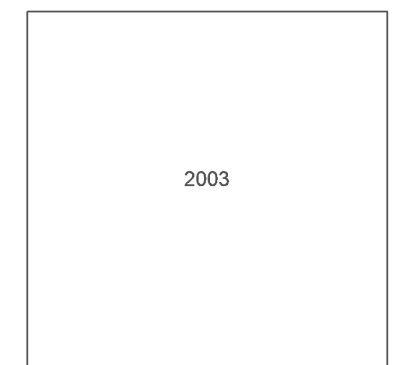
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Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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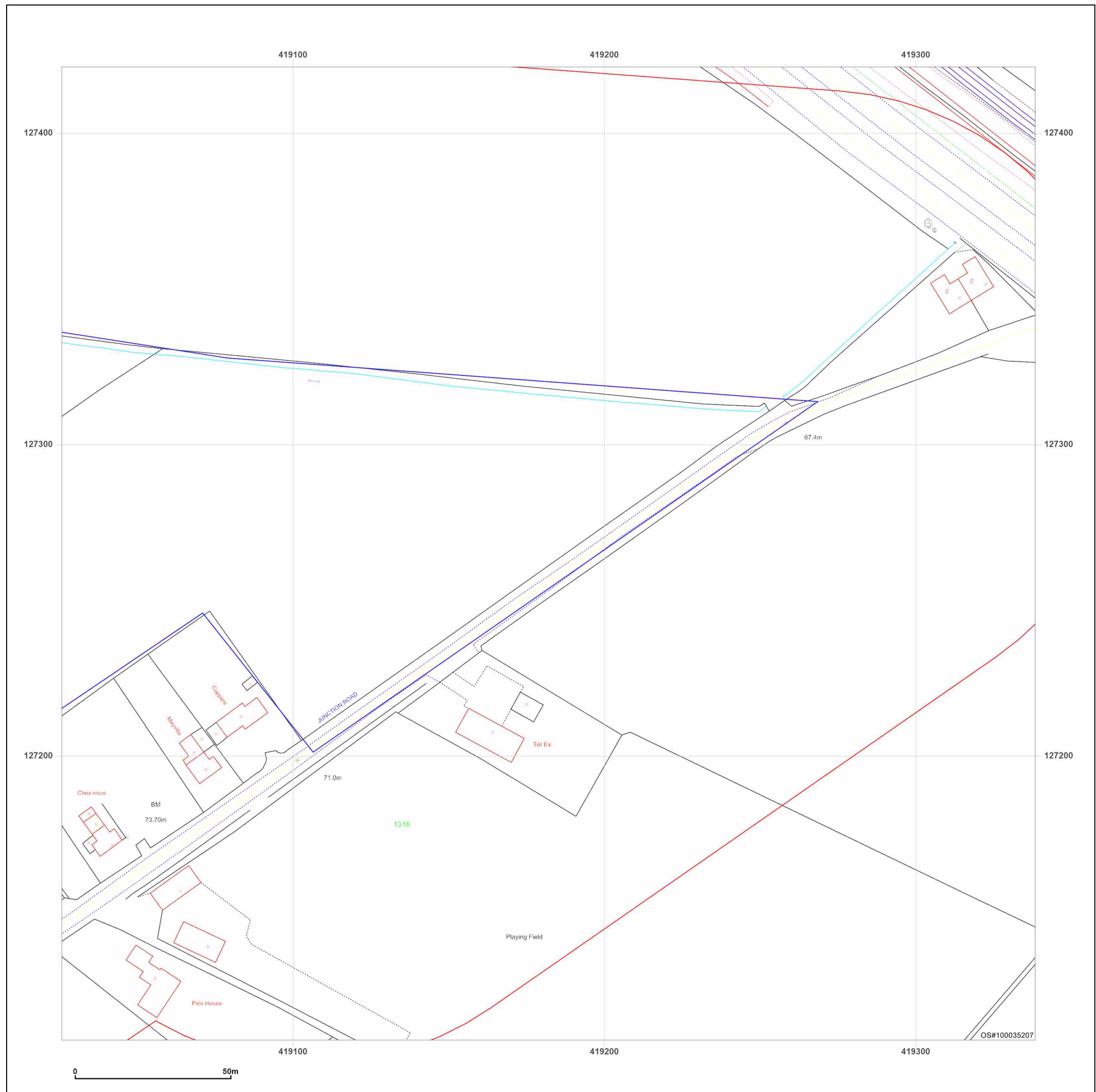
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Report Ref: EMS-909430_1159938_Landline_2_1
Grid Ref: 419182, 127265

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: County Series

Map date: 1881

Scale: 1:2,500

Printed at: 1:2,500



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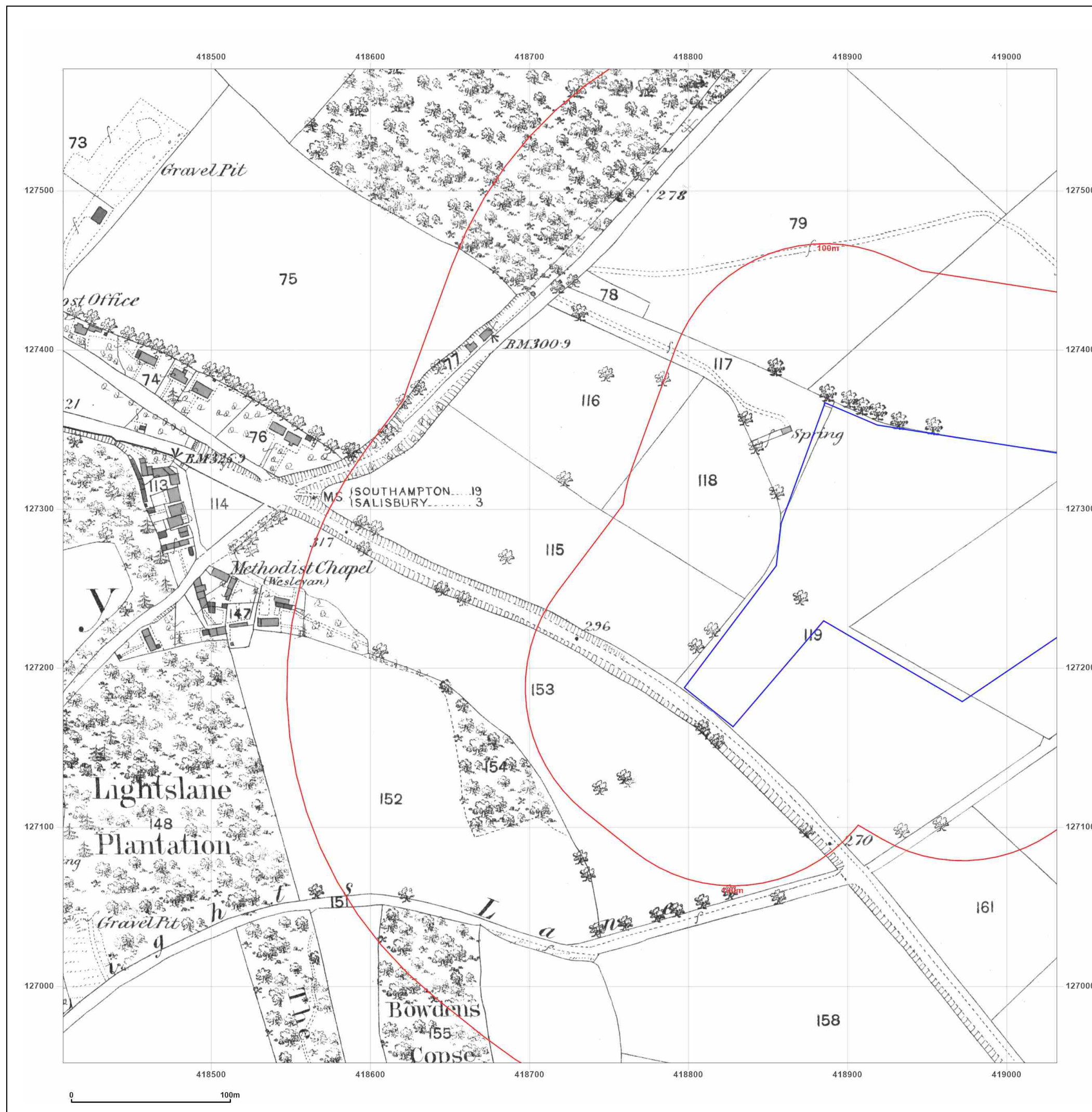


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: County Series

Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1901
Revised 1901
Edition N/A
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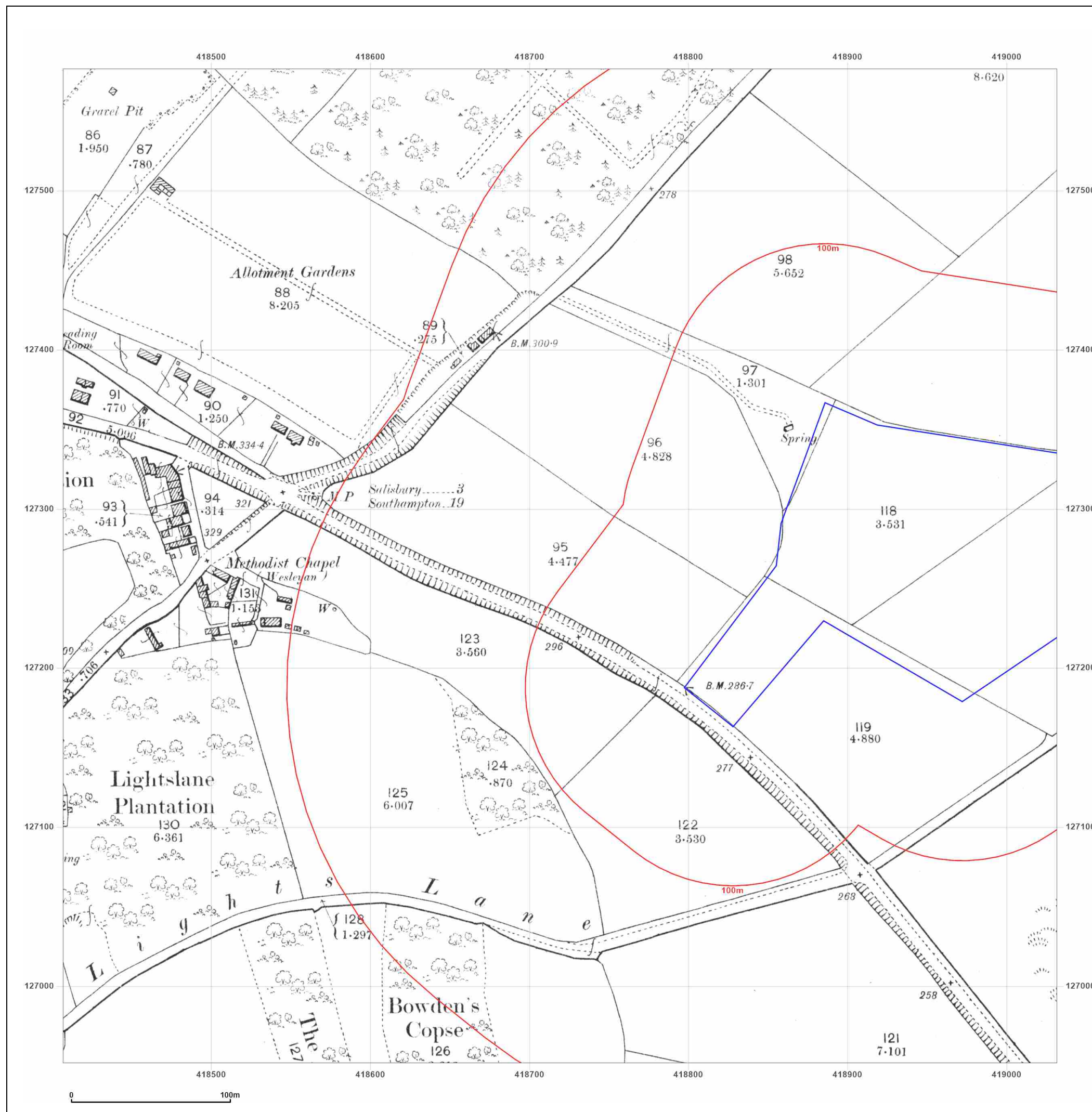


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: County Series

Map date: 1925

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1925
Revised 1925
Edition N/A
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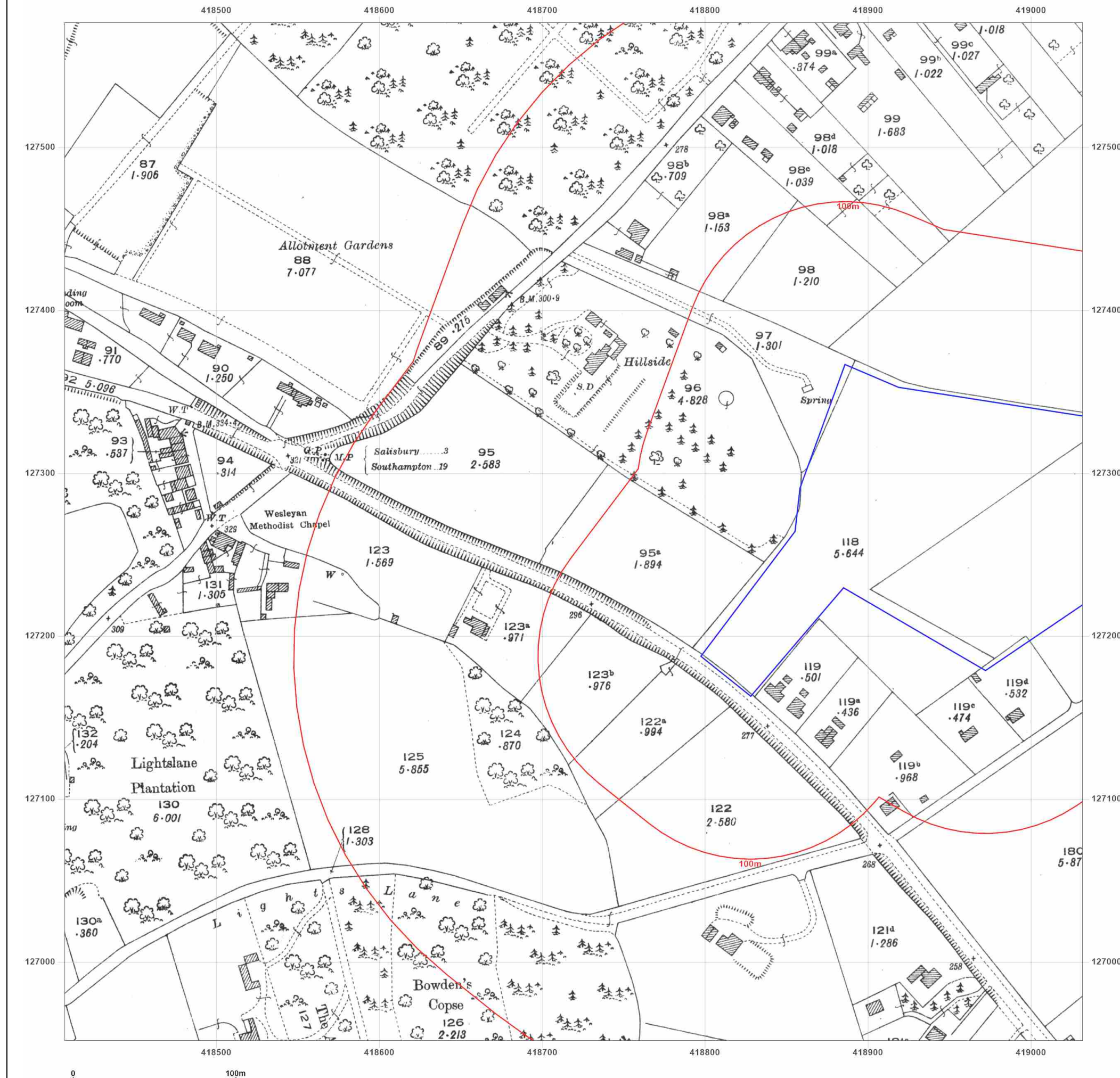


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: County Series

Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1937
Revised 1937
Edition N/A
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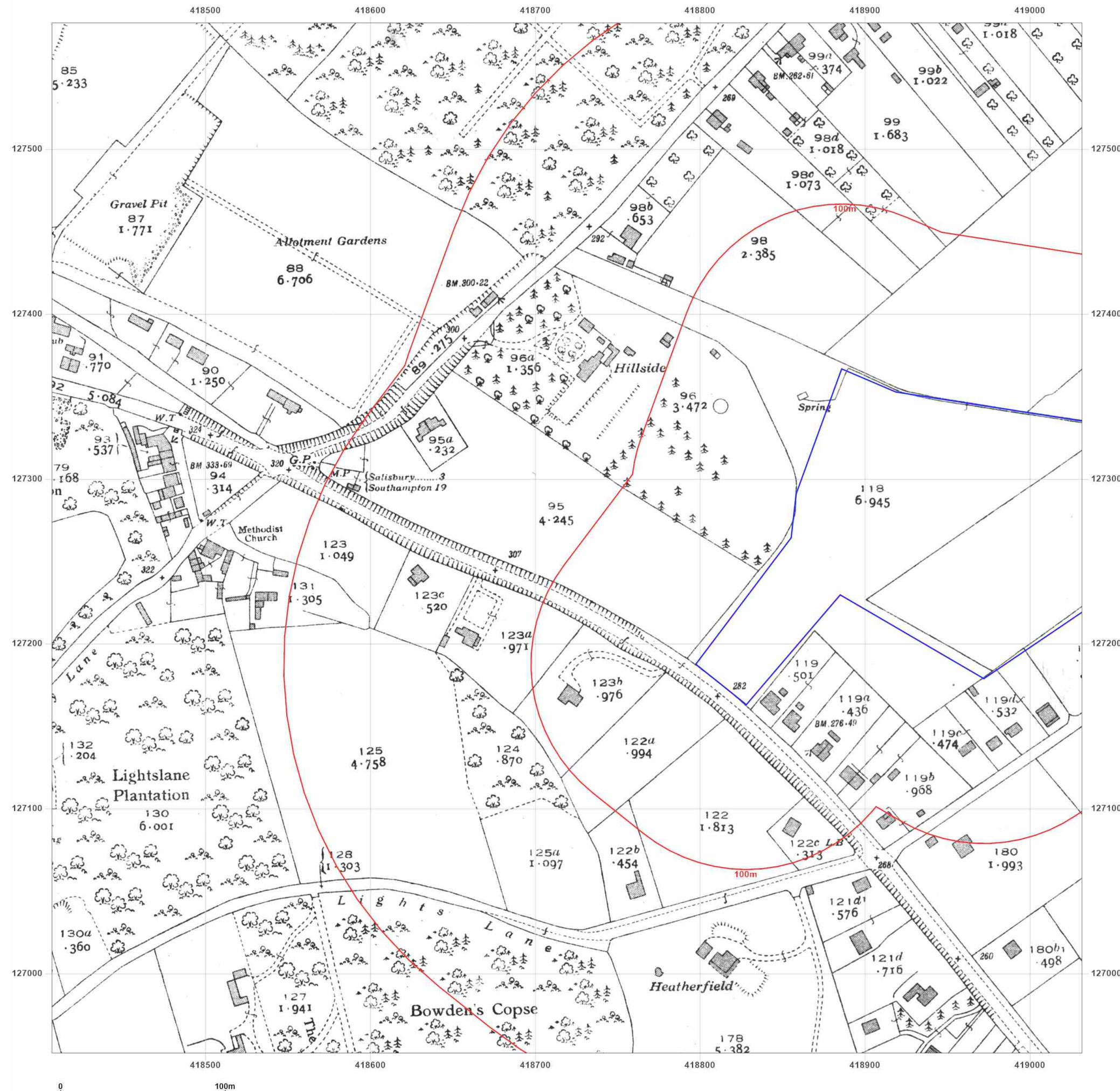


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3AG

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Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: National Grid

Map date: 1972

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1972
Edition N/A
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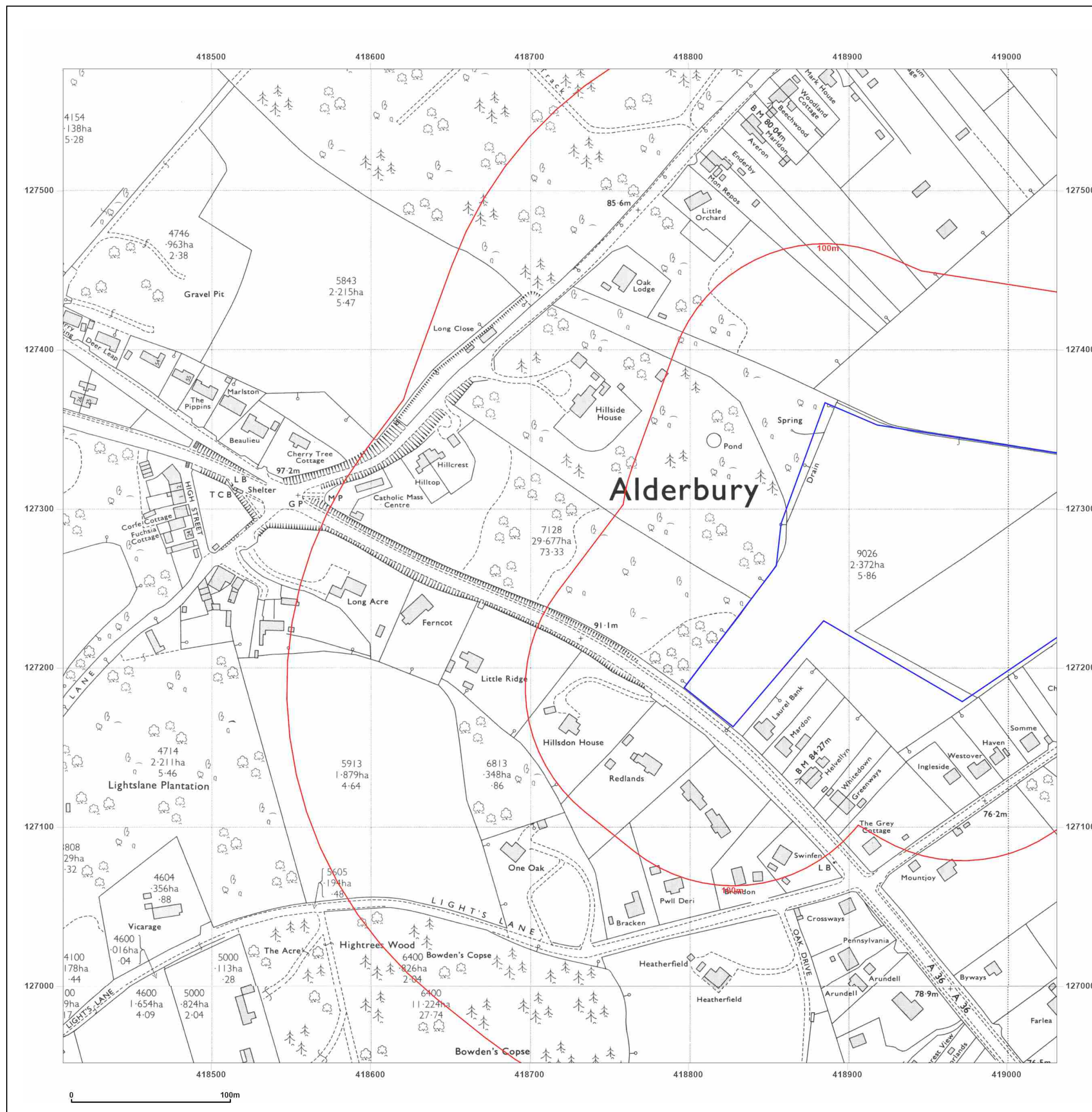


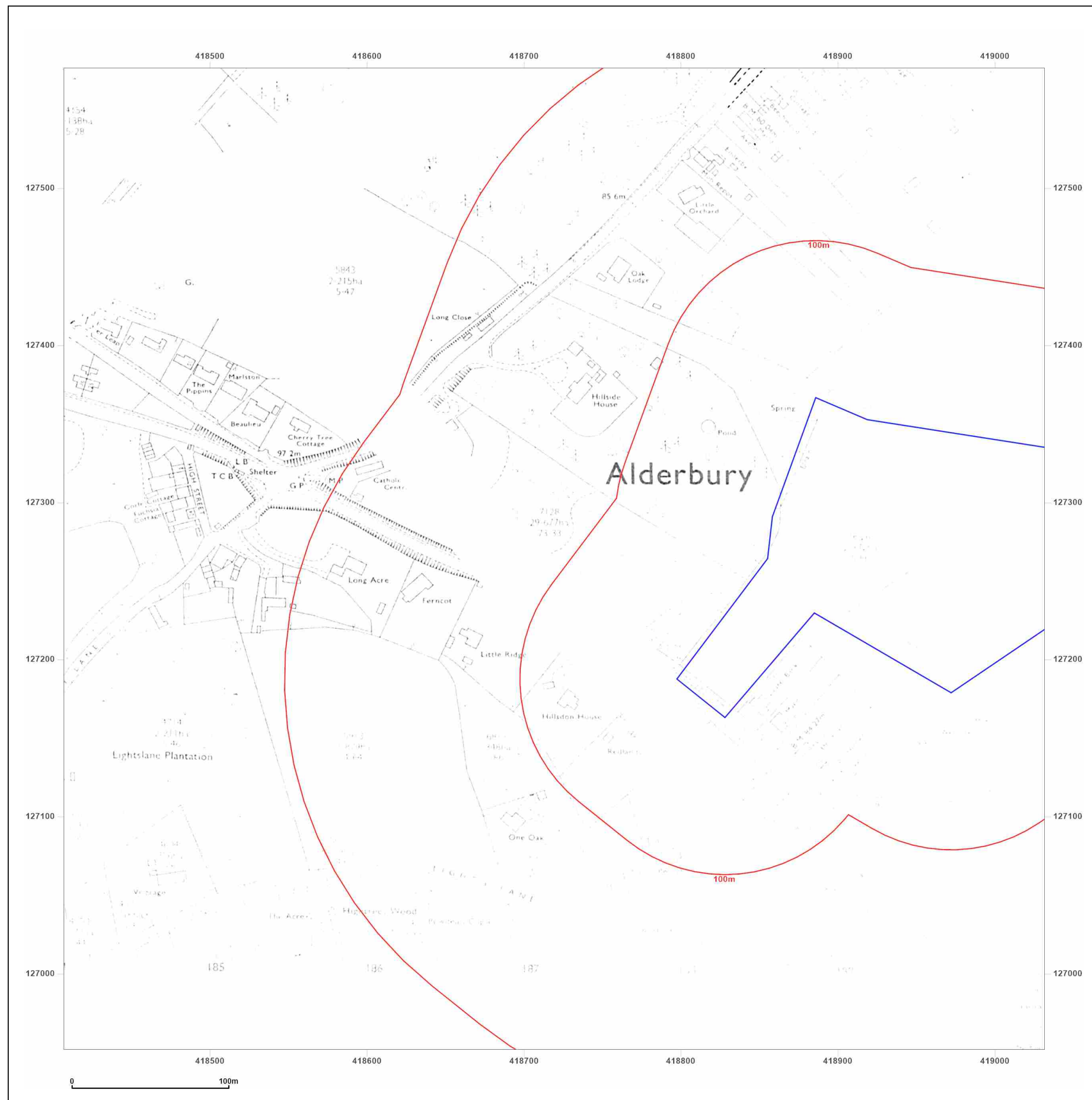
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Site Details:

Land at Southampton Road and
Junction Road , Southampton
Road, Alderbury, Salisbury, SP5
3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: National Grid

Map date: 1978

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
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Surveyed N/A
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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: National Grid

Map date: 1978-1983

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
Revised N/A
Edition N/A
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Revised 1978
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Levelled N/A

Surveyed 1983
Revised 1983
Edition N/A
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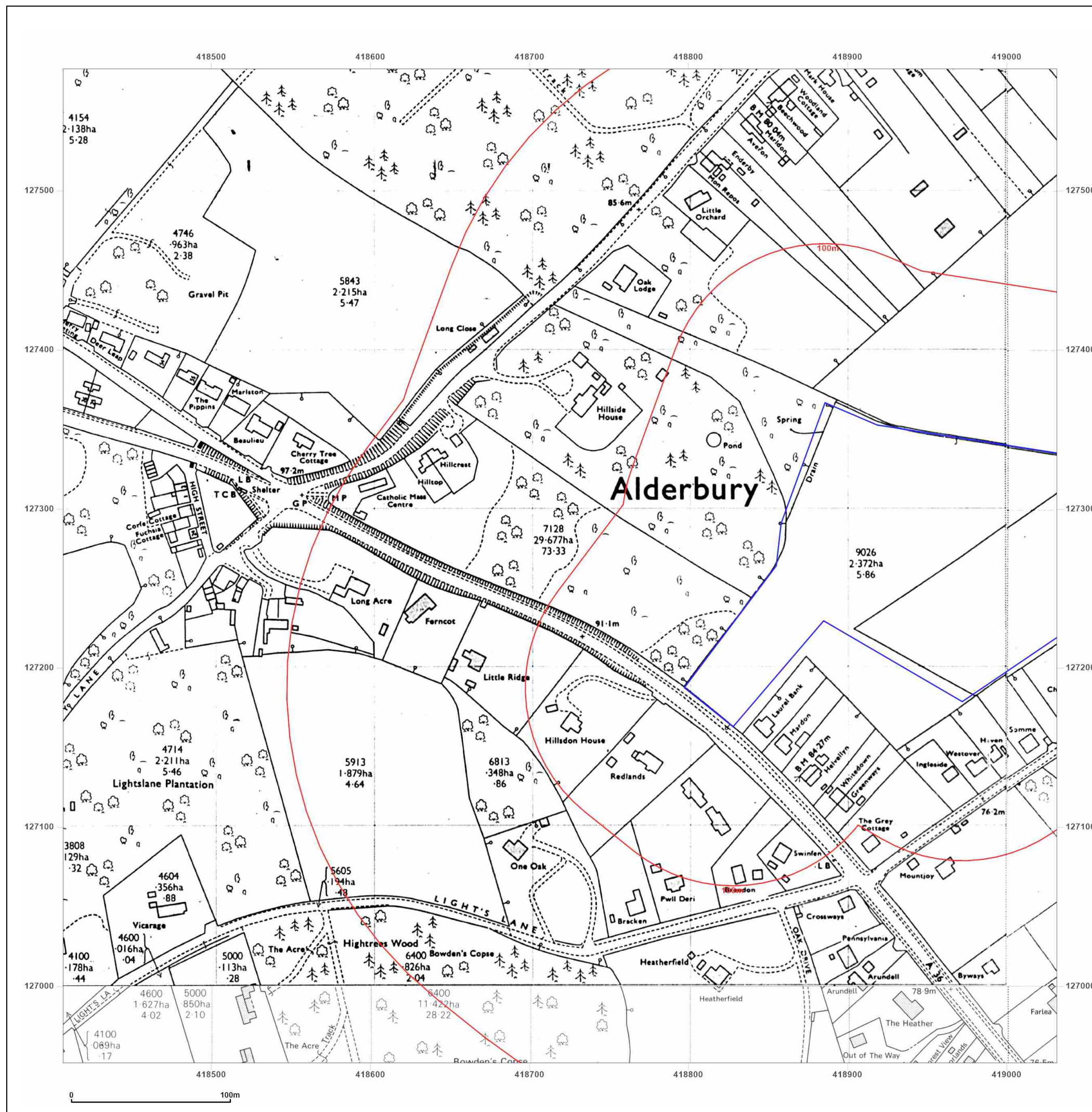


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: National Grid

Map date: 1984-1987

Scale: 1:2,500

Printed at: 1:2,500



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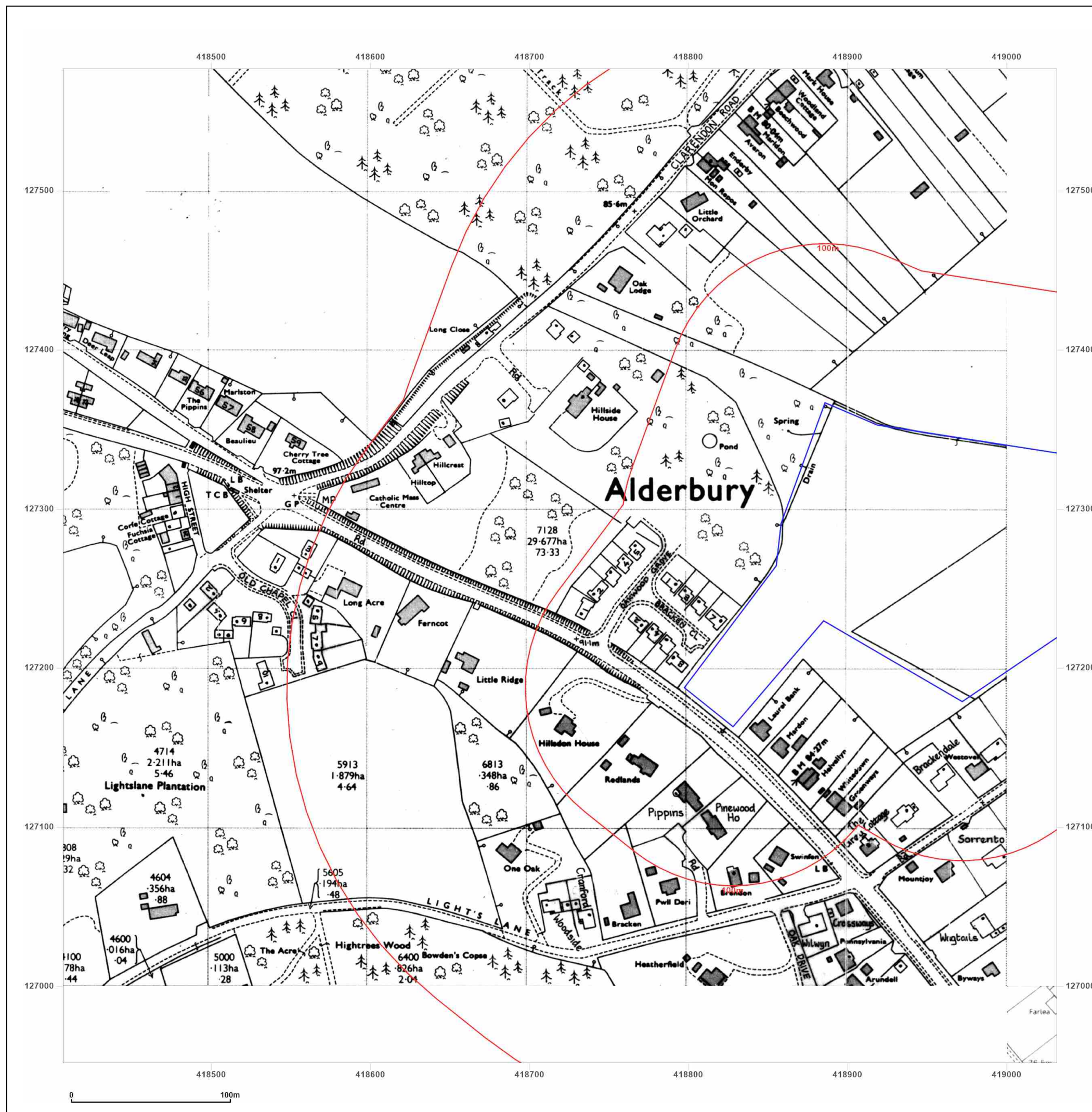


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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_1_1
Grid Ref: 418719, 127264

Map Name: National Grid

Map date: 1984-1988

Scale: 1:2,500

Printed at: 1:2,500



Surveyed N/A
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Road, Alderbury, Salisbury, SP5
3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: County Series

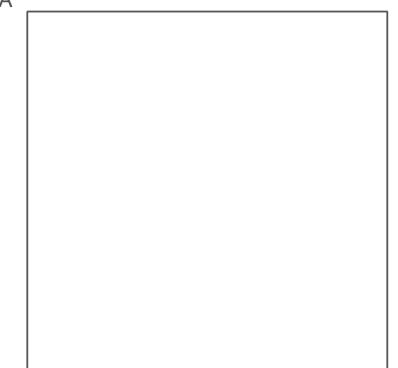
Map date: 1881

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1881
Revised 1881
Edition N/A
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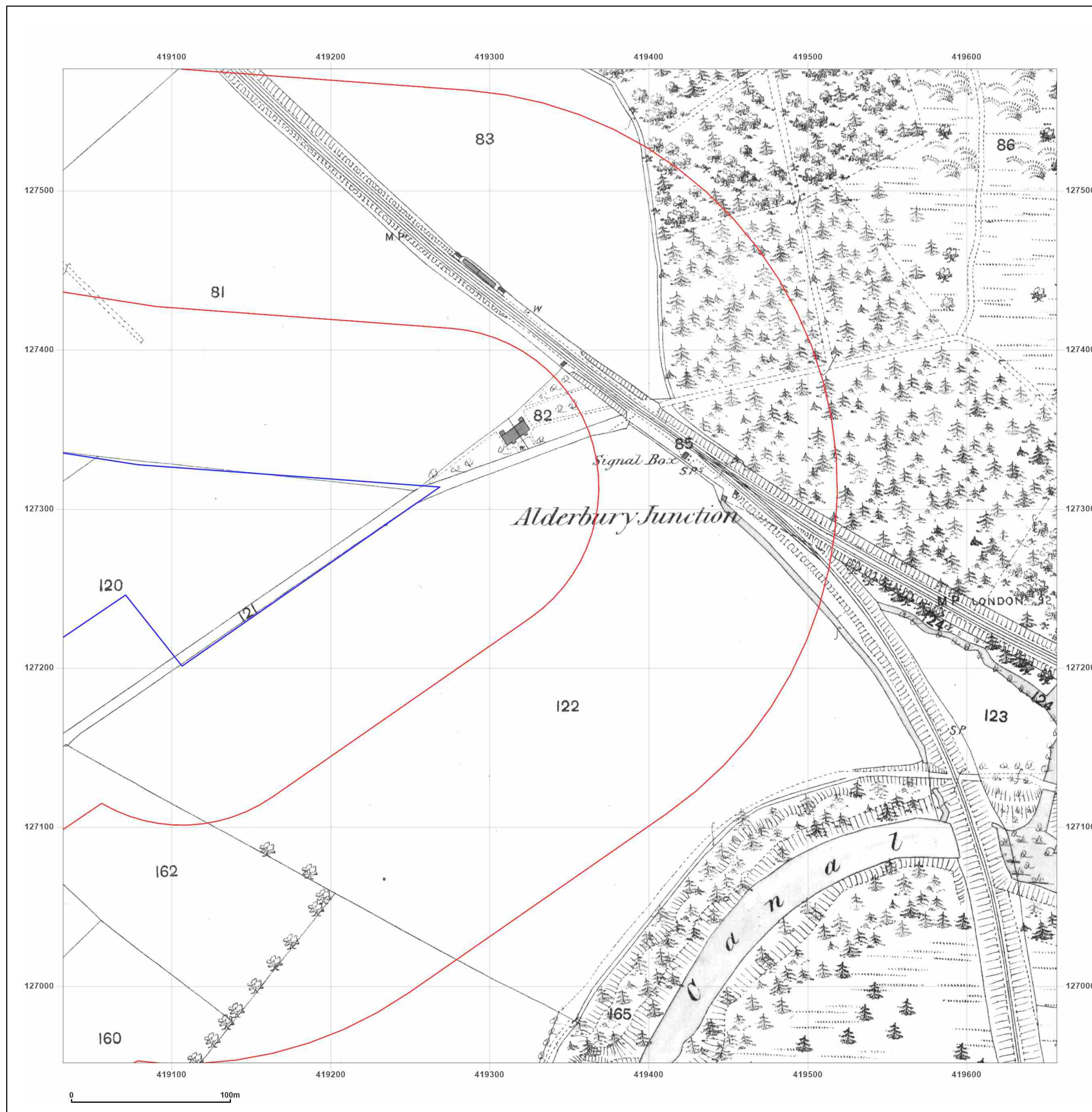


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: County Series

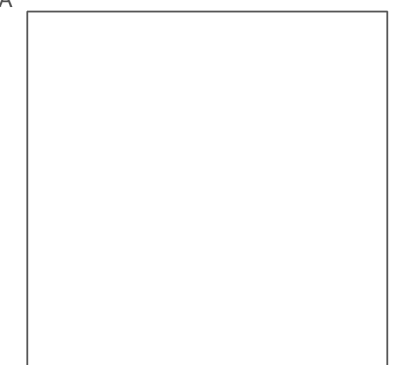
Map date: 1901

Scale: 1:2,500

Printed at: 1:2,500



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Revised 1901
Edition N/A
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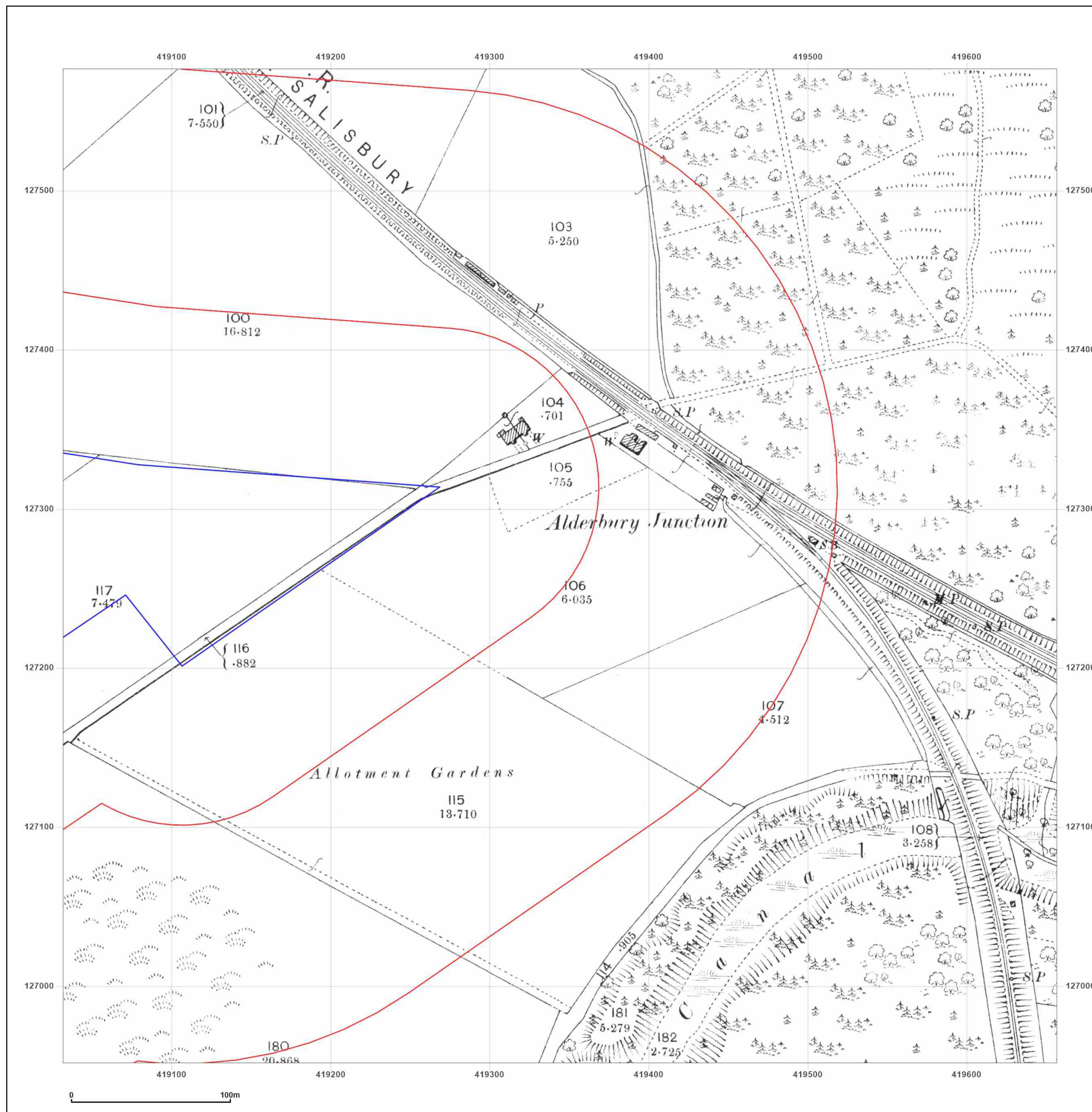


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: County Series

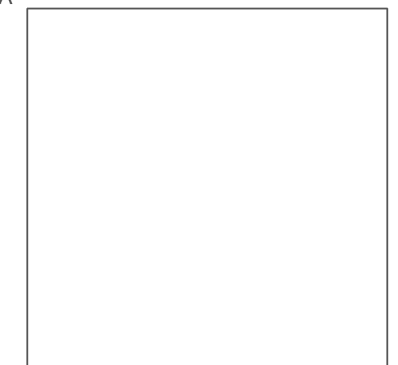
Map date: 1925

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1925
Revised 1925
Edition N/A
Copyright N/A
Levelled N/A



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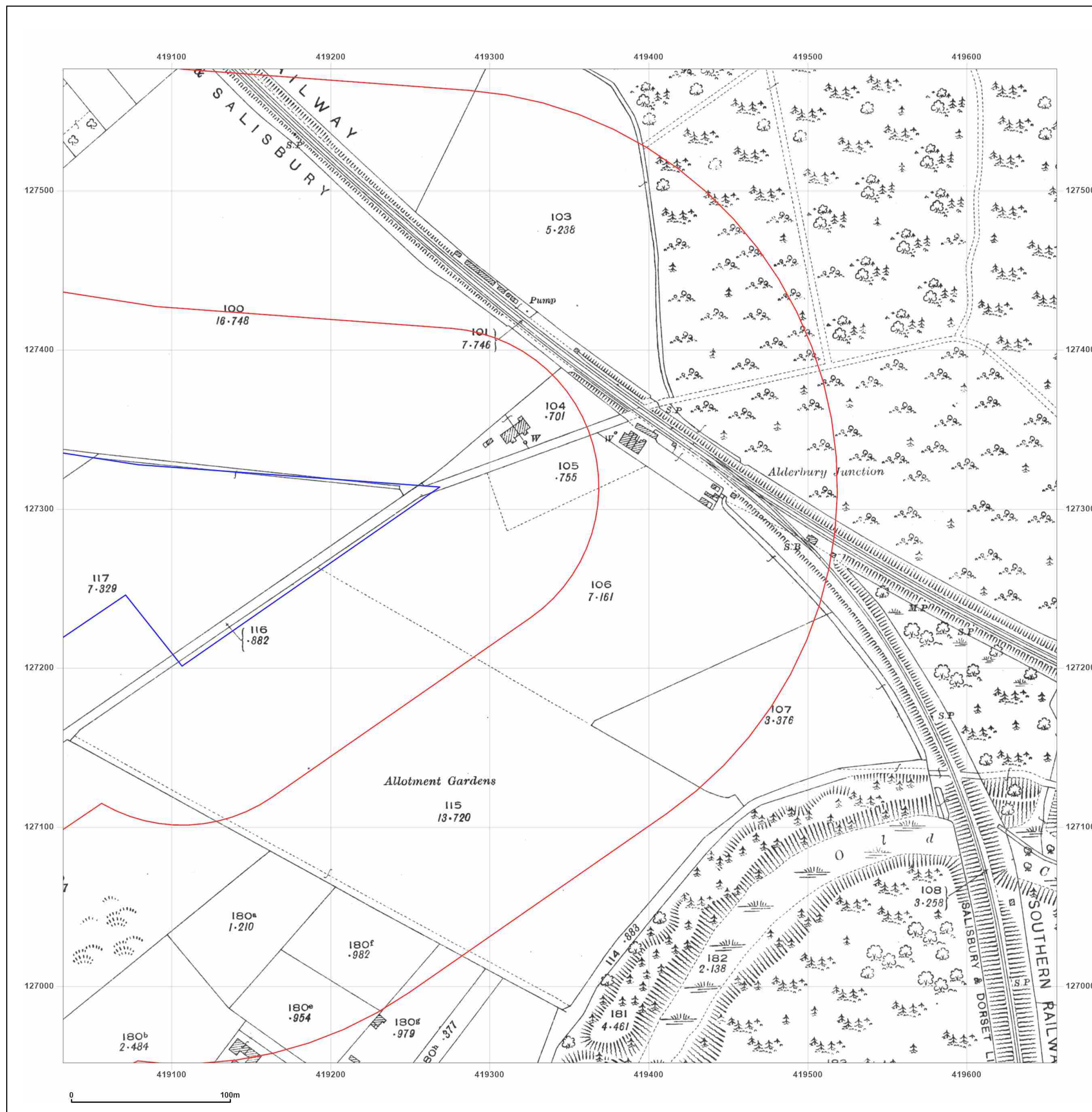


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: County Series

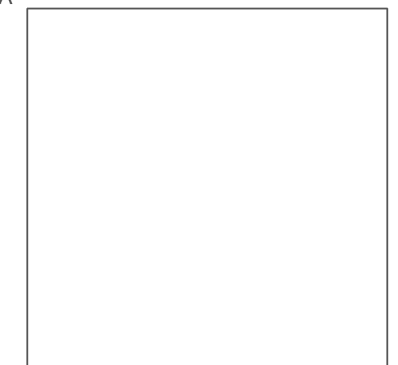
Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1937
Revised 1937
Edition N/A
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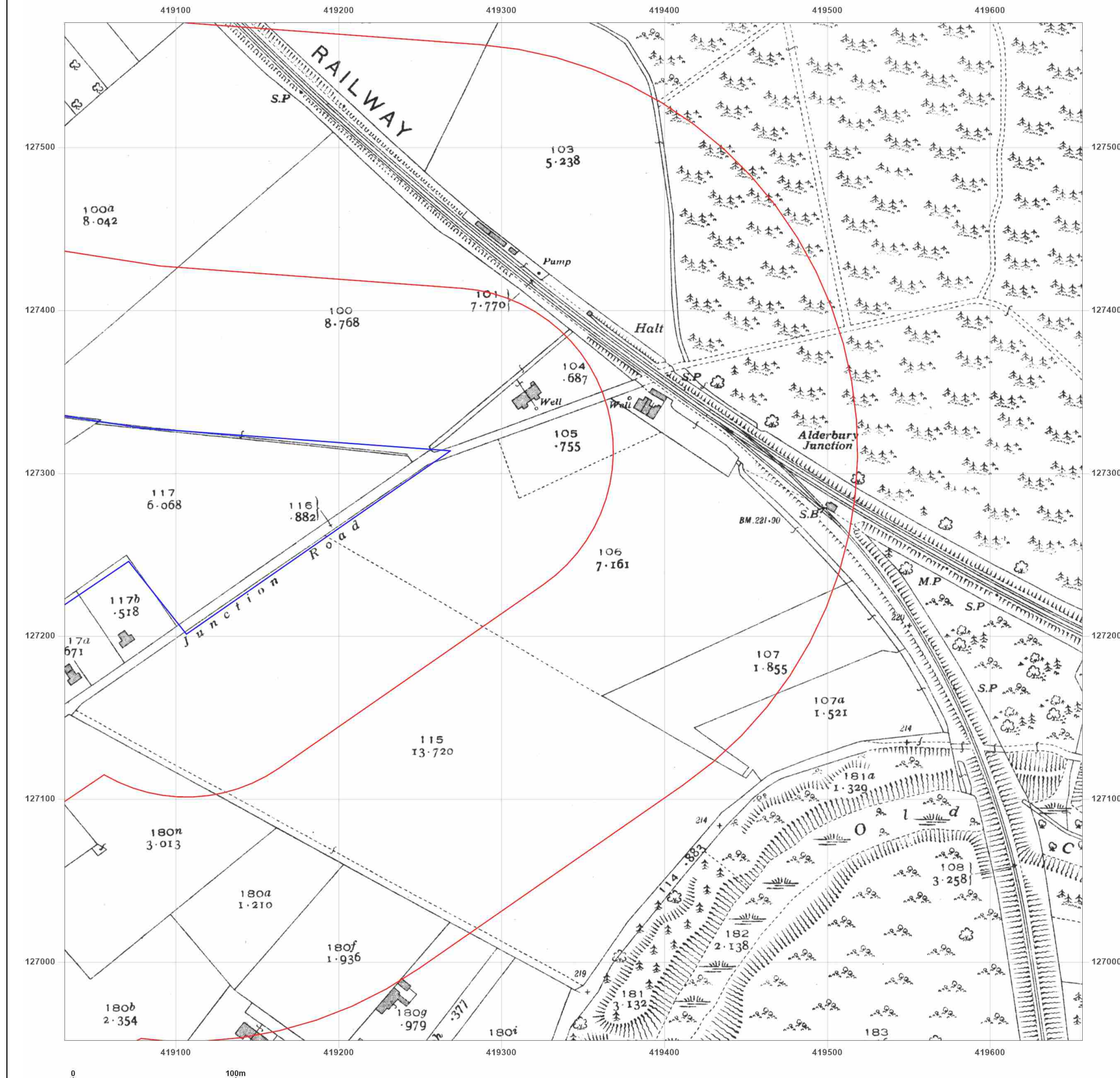


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3AG

Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: National Grid

Map date: 1972

Scale: 1:2,500

Printed at: 1:2,500



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Edition N/A
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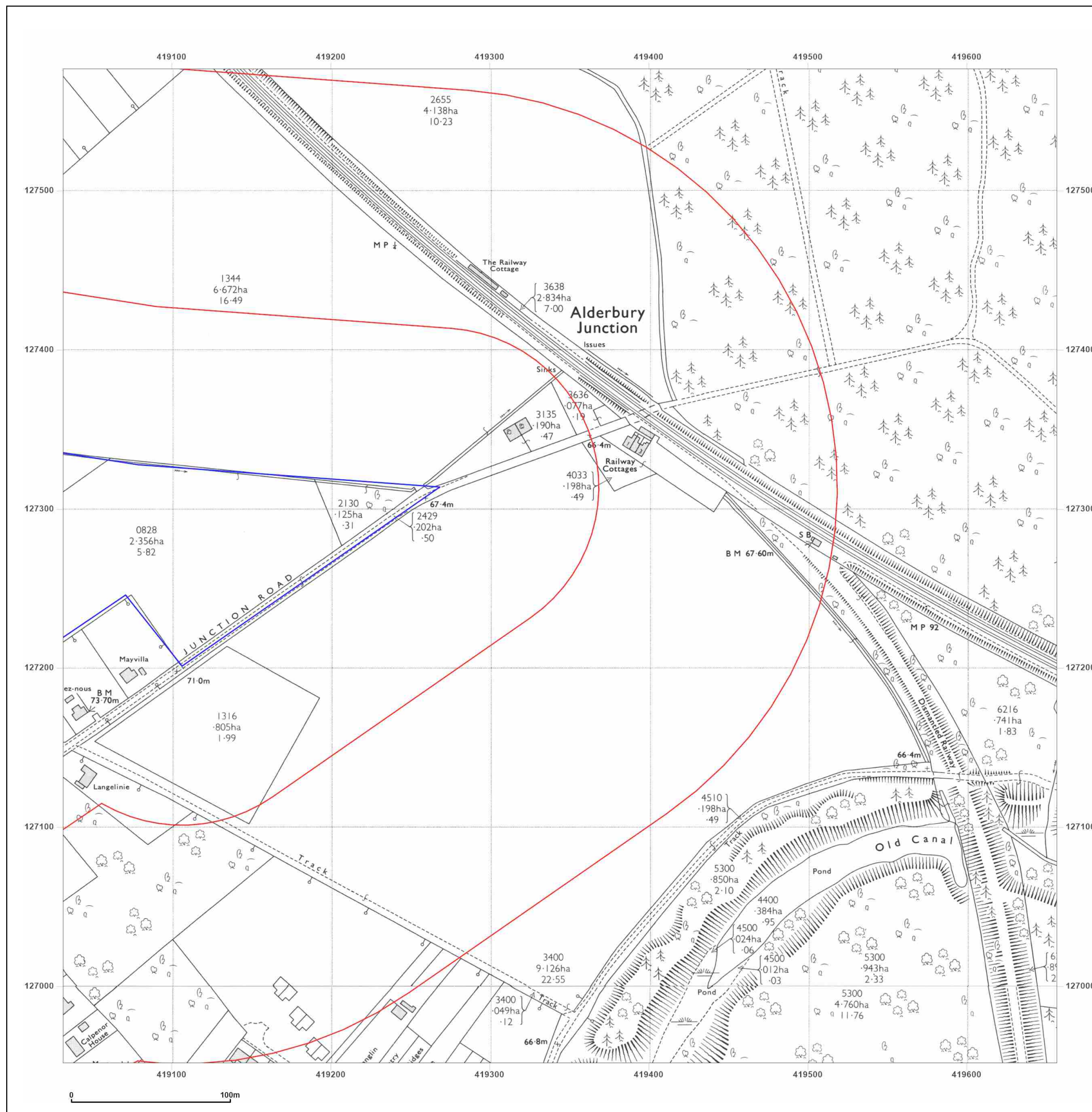


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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: National Grid

Map date: 1978-1983

Scale: 1:2,500

Printed at: 1:2,500



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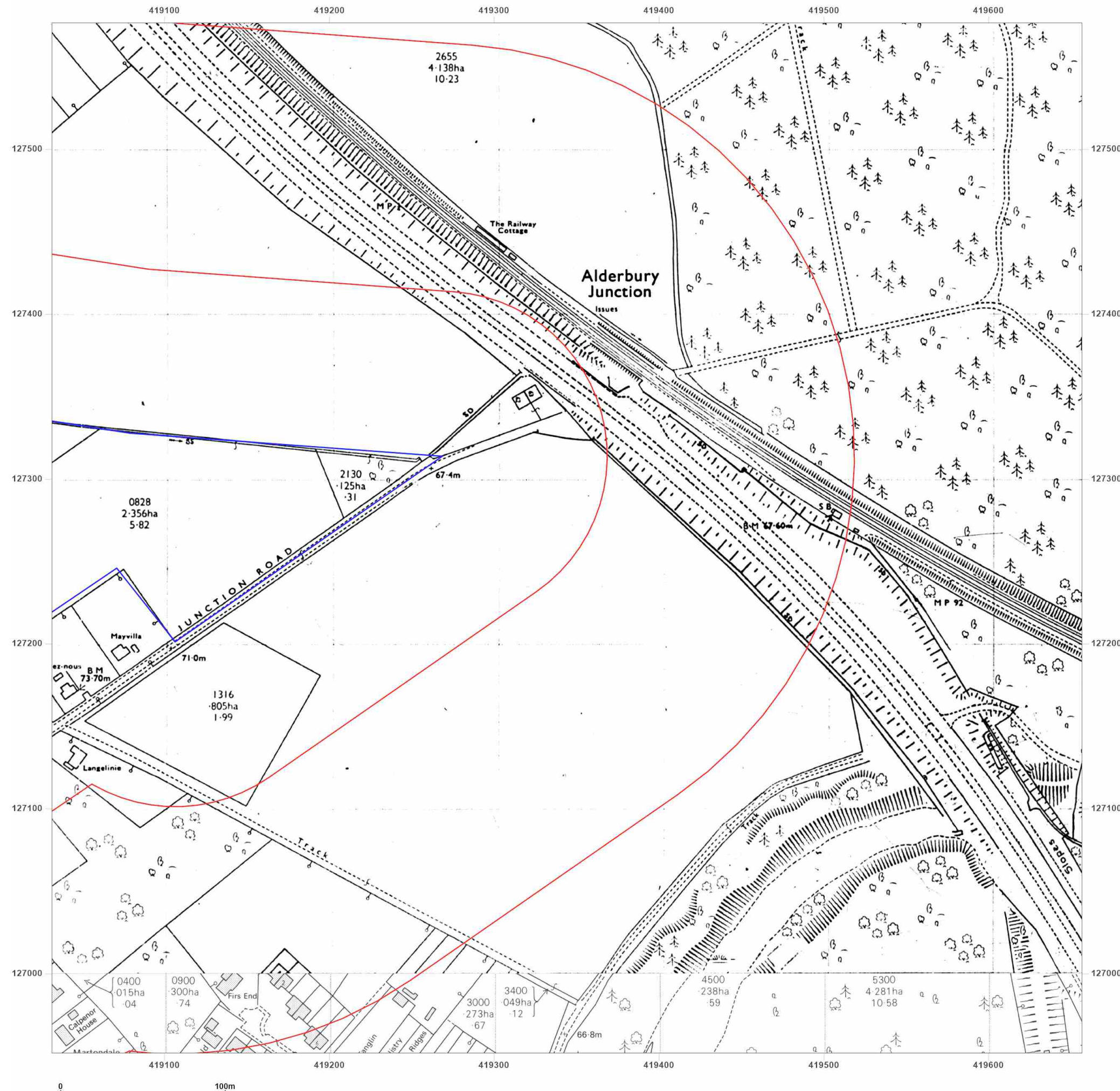


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Client Ref: EMS_909430_1126598
Report Ref: EMS-909430_1159938_LS_2_1
Grid Ref: 419344, 127264

Map Name: National Grid

Map date: 1993

Scale: 1:2,500

Printed at: 1:2,500



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



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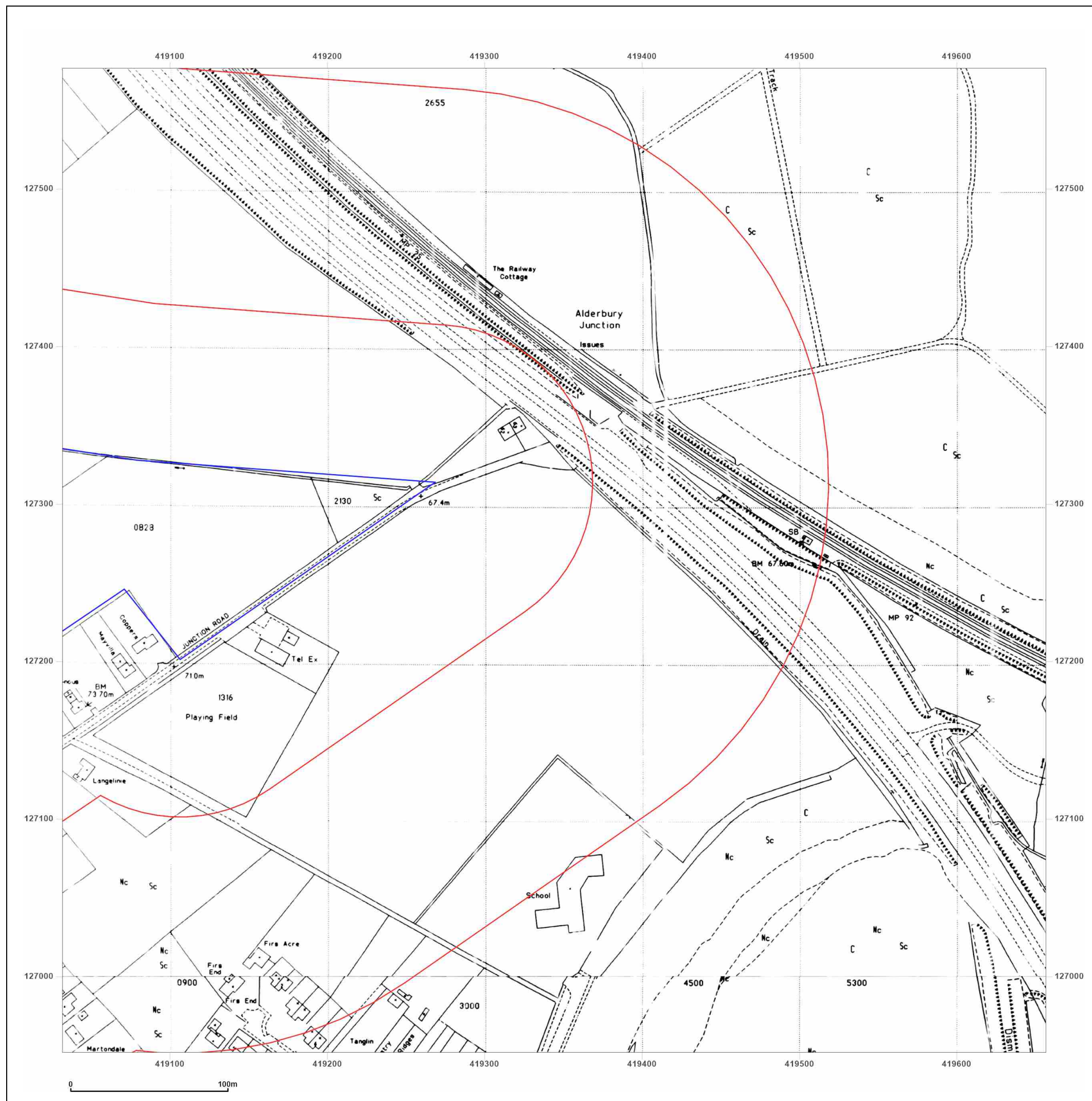


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Appendix IV



Appendix IV

Basis for Contaminated Land Qualitative Risk Assessment

The following Contaminated Land Risk Assessment methodology is based on CIRIA C552 (2001) *Contaminated Land Risk Assessment – A Guide to Good Practice*, in order to quantify potential risk via **risk estimation** and **risk evaluation**, which can be adopted at the Phase I (Desk Study) stage. This will then determine an overall risk category which can be used to identify potential investigation or remedial actions. This methodology uses qualitative descriptors and therefore is a qualitative approach based on desk information. The risk assessment should be refined following receipt of ground investigation data.

The methodology requires the classification of:

- the magnitude of the **consequence** (severity) of a risk occurring, and
- the magnitude of the **probability** (likelihood) of a risk occurring.

The potential consequences of contamination risks occurring at this Site are classified in accordance with Table VI-1 below, which is adapted from the CIRIA guidance.

Table IV-1: Classification of Consequence

Classification	Definition of Consequence
Severe	Short-term (acute) risks to human health likely to result in "significant harm" as defined by the Environmental Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resource. Catastrophic damage to buildings/property. A short-term risk to a particular ecosystem, or organism forming part of such an ecosystem.
Medium	Chronic damage to Human Health (significant harm as defined in DEFRA, 2012). Pollution of sensitive water resources. A significant change in a particular ecosystem, or organism forming part of such an ecosystem.
Mild	Pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ("significant harm" as defined in the DEFRA, 2012). Damage to sensitive buildings/structures/services or the environment.
Minor	Harm, though not necessarily significant harm, which may result in a financial loss, or expenditure to resolve. Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.). Easily repairable effects of damage to buildings, structures and services.

Source: CIRIA C552

The probability of contamination risks occurring at this Site will be classified in accordance with Table IV-2 below from the CIRIA guidance. Note that for each category, it is assumed that a pollution linkage exists. Where a pollution linkage does not exist, the likelihood is zero, as is the risk.

Table IV-2: Classification of Probability

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

For each possible pollution linkage (source-pathway-receptor) identified, the potential risk can be evaluated based upon the following probability x consequence matrix shown in Table IV-3.



Table IV-3: Overall Contamination Risk Matrix

		Consequence			
		Severe	Medium	Mild	Minor
Probability	High likelihood	Very high risk	High risk	Moderate risk	Moderate/Low risk
	Likely	High risk	Moderate risk	Moderate/Low risk	Low risk
	Low likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/Low risk	Low risk	Very low risk	Very low risk

Based upon this, CIRIA C552 present definitions of the risk categories, together with the investigatory and remedial actions that are likely to be necessary in each case, as in Table IV-4. These risk categories apply to each pollutant linkage, not simply to each hazard or receptor.

Table IV-4: Definition of Risk Categories and Likely Actions Required

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

Appendix V





DO NOT SCALE
NOTES:



- Approximate Red Line
Boundary



4



- Approximate Photograph
Location / Orientation and
Number



Lawrence House, Meadowbank Way,
Eastwood, Nottingham, NG16 3SB
Tel: 01773 535 555 Fax: 0870 600 6091
www.hspconsulting.com

CLIENT:

Formula Land Ltd

PROJECT:

Land at Southampton Rd
and Junction Rd

TITLE:

Site Photograph and
Locations

SCALE@SIZE :

NTS

ISSUE:

FINAL

DESIGN/DRAWN :

HE

DATE:

December 2023

PROJECT No:

C4363

DRAWING No:

502

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Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road



Photo No: 01

Comments: View looking north at the entrance to the site with the western boundary on the left and the right shows some of the eastern boundary . Small amount of hardstanding at the metal main gate. Some of the northern boundary can be seen in the background with the mature trees.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road



Photo No: 02

Comments: View looking north with a small view of the allotments to the left. A mound of vegetation in the centre. The land can be seen sloping towards the north.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road

Photo No: 03

Comments: Close up view of the
vegetation mound. It was too dense
to identify if anything was in the
centre.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road

Photo No: 04

Comments: View looking at the corner of the site where the northern/western boundary. It was heavily vegetated and was inaccessible.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road

Photo No: 05

Comments: View looking west along
the northern boundary where a drain
is located on the left of the picture
beneath the brambles.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road

Photo No: 06

Comments: View looking at the drain
along the northern boundary of the
site.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road

Photo No: 07

Comments: View looking south at the entrance to the site and the heavily saturated land with a small tree present.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road



Photo No: 08

Comments: View looking south
towards the entrance next to the
trees which separate the two fields.
There is a faint path which as
underwater.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road



Photo No: 9

Comments: View looking north from the entrance to the second field with the eastern boundary on the right. The trees on the left separate the two fields.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road

Photo No: 10

Comments: View looking west at the entrance to the second field and an old monitoring well marked out with a plastic stake.



Client: Formula Land Ltd

Date: 5th December 2023

Project: C4363

Site: Land at Southampton Road and
Junction Road



Photo No: 11

Comments: View looking north from the second field which can be seen to be heavily saturated in the foreground. Both north and eastern boundaries can be seen. These are composed of from wire fencing and vegetation/trees.





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