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Land south of Northlands Lane: Geo-environmental desk study

P25017_R1_REV2
April 2026



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Document Control

Title

Land south of Northlands Lane: Geo-environmental desk study

Client

Fairfax Acquisitions Ltd,
Buncton Barn,
Buncton Lane,
Bolney,
Haywards Heath,
RH17 5RE

Reference

P25017_R1_REV2

Status

Final

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1. Introduction

1.1. Instruction

Aqua Terra Consultants Ltd (Aqua Terra) was instructed by Fairfax Acquisitions Ltd (the Client) to provide a Phase 1 preliminary risk assessment (Desk Study) for a parcel of land to the south of Northlands Lane, Storrington (the Site). Instruction to proceed in accordance with proposal P25017_P1 was confirmed by email dated 4th February 2025.

1.2. Brief

The Client is planning to submit an outline planning application for a residential led development. Aqua Terra has been instructed to provide a provide a land quality (contaminated land) desk study (Phase 1 Preliminary Risk Assessment) to support the proposed development through the outline planning process.

1.3. Scope

This report presents records of desk study research, which are subsequently used to develop a conceptual site model and inform a preliminary environmental risk assessment.

The report identifies key potential land quality risks and uncertainties associated with the ground conditions that may require further investigation and/or risk management as part of the proposed re-development of the Site.

The risk assessment process has been undertaken in accordance with principal framework for the management of potentially contaminated land, the Land Contamination Risk Management (LCRM).

1.4. Limitations

This report is written strictly for the benefit of the Client and bound by the conditions presented in Appendix A.

2. Desk Study

2.1. Site location and description

A Site location plan is presented as drawing P25017_R1_D01, based on the drawings provided by the Client (see Appendix B). The Site address is given as follows:

Land south of Northlands Lane,
Storrington,
Pulborough,
RH20 3EZ

The Site is approximately 7.01 Ha in size and is centred on National Grid Reference 509233, 115309. The Site is located at the northern edge of the town of Storrington in West Sussex and comprises two adjacent fields. The proposed residential development is understood to be located wholly within the eastern field, as such this report focuses upon this area.

2.2. Proposed development

The proposed development will be residential led and comprise of up to 56 homes. Drawings provided to Aqua Terra are presented in Appendix B. The residential development will be located wholly within the eastern field with development in the western field limited to access to Freyen Road.

It is understood that third party planning applications are in process for land to the west of the Site known as "Land North of Melton Drive", and the field to the south-east of the Site which is being brought forward by Croudace.

2.3. Walkover

A Site walkover was completed on 21st July 2025, selected photographs taken during the walkover are presented in Appendix C. At the time of the Site walkover the western field was not within the Site boundary and as such was not visited.

The eastern field was accessed through a gateway in the north east of the field, off the public footpath. The public footpath runs from Northlands Lane along the eastern edge of the Site, with a field gateway present along this path. A footpath also runs along the northern edge of the field. Several members of the public were noted using the field for dog walking during the walkover.

The eastern field predominantly comprises grassland, although areas of woodland are present at the northern, southern and south eastern boundaries. Mature trees are scattered across the field and along the margins of the public footpath.

Elevations across the Site range between 54m above Ordnance Datum (m aOD) along the southern boundary to an elevation of around 34.5m aOD in the northern corner.

Ongoing construction, relating to a new residential development was noted to the south east of the Site.

2.4. Geology

2.4.1. Published geology

A review of British Geological Survey (BGS) 1:50,000 scale mapping and the 1:10,000 sheet TQ01NE indicates the geological sequence underlying the Site is as follows:

- Superficial geology: Head (Diamicton)
- Solid geology: Hythe Formation (sandstone) outcrops across the majority of Site, Fittleworth Member (sandstone) outcrops across the south east corner of Site.

Nearby historical borehole logs within the BGS database confirm this succession and those closest are summarised in Table 2-1.

Table 2-1 Strata encountered in nearby historical borehole logs

Borehole ref.	Strata	Maximum depth (m bgl)
TQ01NE88 (93m south)	Made Ground: Soft dark brown silty sandy clay with brick fragments, ash and gravel)	3
		26
		38
		41
TQ01NE87 (108m east)	Brown clay Sand and sandstone Grey sand and sandstone Mudstone	3
		18
		26
		41

2.4.2. Mining and ground workings

The Site lies within an area where sporadic underground historical mining of restricted extent for sand, is possible. However, no evidence of such workings has been identified on Site.

2.4.3. Site investigation

Aqua Terra excavated 3No. trial pits in order to undertake soakaway testing between 21st and 22nd July 2025. Trial pits ranged between 2.67m and 2.9m depth, 2No. were located on Site in north of the eastern field and 1No. off Site within the field to the east. In all three positions, a thin layer of Topsoil (0.3-0.4m thick) underlain by Head Deposits was encountered.

2.5. Hydrogeology

The Hythe Formation is classified by the Environment Agency (EA) as a Principal Aquifer. These are defined as having a high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale.

The Fittleworth Member is classified by the Environment Agency (EA) as a Secondary A Aquifer. These are defined as having comprise permeable layers that can support local water supplies, and may form an important source of base flow to rivers.

The superficial Head Deposits across Site are classified by the EA as a Secondary Undifferentiated Aquifer. These are defined where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non- aquifer in different locations due to the variable characteristics of the rock type.

Groundwater vulnerability across Site is classed as medium to high.

The Water Framework Directive (WFD) classifies the Lower Greensand Arun & Western Streams water body which includes the on Site aquifer, as having an overall and chemical rating of poor, and a quantitative rating of good in 2019.

The Site does not lie within a Source Protection Zone. However, potable water abstractions are recorded 93m south and 108m east of the Site. Both abstractions are associated with Croudace Homes Limited and are used for drinking, cooking, sanitary and washing (commercial/ industrial/ public services). The two abstractions belong to the same licence, for which annual volume is given as 11,805m³ and max daily volume as 33m³. The licence began in September 2023 and is due to expire in March 2040.

2.6. Hydrology

2.6.1. Surface water

There are no surface water features on Site, the closest being an unnamed ordinary watercourse which lies 37m north west of the Site at its closest point. The watercourse flows westwards, joining the River Stor approximately 1km west of Site. Several ponds are located along or adjacent to this watercourse, the largest of which is Hareswith Pond, approximately 560m north of the Site.

The majority of the Site lies within the Stor water body catchment, which is classified under the WFD as having an overall and ecological rating of moderate in 2019. Chemical rating was given as 'fail' due to failing levels of polybrominated diphenyl ethers (PBDE) and mercury and its compounds.

2.6.2. Flooding

EA mapping indicates that the Site lies within Flood Zone 1 and is at low risk of flooding from rivers and the sea.

Ambiental Risk Analytics surface water (pluvial) FloodMap, provided within the Groundsure report in Appendix D, indicates the risk of surface water flooding across Site is negligible.

2.6.3. Groundwater flooding

Mapping from Ambiental Risk analytics, presented with the Groundsure report in Appendix D, indicates the risk of groundwater flooding in the area where the Head Deposits outcrop, to be low. Across the remainder of the Site, the risk of groundwater flooding is negligible. This is based on a 1 in 100 year return period and a 5m digital terrain model.

2.7. Site history

A review of historical and contemporary Ordnance Survey (OS) mapping of the Site has been undertaken, with a focus on the eastern . The historical mapping is provided in Appendix D with salient observations summarised in Table 2-2.

Table 2-2 Site history

Date	Details	Development considerations
1875-1876 (1:2,500, 1:10,560)	Earliest OS mappings shows the Site spanning across two agricultural fields. The surrounding area is also predominantly undeveloped agricultural land. East Wantley Farm borders the north of the Site and West Wantley Farm is located approximately 100m north west. A break in slope is shown between the Site and adjacent farm. Ponds are present at both farms and an additional pond lies 140m east of the Site.	None.
1896-1897 (1:2,500, 1:10,560)	No significant changes noted on Site. Off Site a well is labelled 57m north of Site.	None.
1909-1911 (1:2,500, 1:10,560)	No significant changes noted on Site. Off Site, buildings have undergone extension at East Wantley Farm.	None.
1937-1946 (1:2,500, 1:10,560)	No significant changes noted on Site. The layout at East Wantley Farm has changed again and the break in slope now extends further along the Site boundary. Residential housing has been constructed along Melton Driver, west of the Site, Warren Hamlet, south east of the Site and Fryern Road south west of the Site.	None.
1957-1961 (1:10,560)	No significant changes noted on Site. Off Site, two additional small buildings along the north eastern boundary of the adjacent field. Several new buildings have been constructed in the area between Water Lane and the eastern Site boundary. New residential housing is shown from 25m south west of Site	None.
1971-1973 (1:2,500)	No significant changes noted on Site. A milk depot is shown approximately 80m east of the Site and depot approximately 100m east of Site. South of the depot within 250m of the Site is a builders yard, engineering works, works, warehouse, electric substation, joinery and laboratory. Additional residential housing has been built south west of Site. Additional buildings have been added at West Wantley Farm, which is now labelled as a Poultry Farm. A nursery now borders the north west corner of Site.	Potential for migration of contaminants from off Site depot and works.
1975-1980 (1:2,500, 1:10,000)	No significant changes noted on Site. A large building labelled works now lies approximately 100m east of Site. The milk depot building had been extended and is now labelled works, an additional works is located north of this. This area is now labelled Water Lane industrial Estate. Four further works have replaced the builders yard and three works are now located at the south of Robell Way. The area	Potential for migration of contaminants from off Site depot and works.

Date	Details	Development considerations
	south of the Site is now occupied by a residential housing estate. The pond 140m east of Site is now longer shown	
1990-1995 (1:2,500)	No significant changes on Site. Off Site, the depot east of Site has been replaced by two large buildings.	None.
2003 (1:1,250)	No significant changes noted on Site. Off Site, two ponds are now shown at East Wantley Farm. A large building labelled works has replaced the depot bordering the north east of Site.	None.

2.8. Environmental database search

A Groundsure report was purchased as part of the desk study assessment. The full report is provided in Appendix D. A summary of pertinent database records is provided in with reference to entries on Site and within a buffer zone of 250m, unless considered to have relevance at greater distances.

Table 2-3 Environmental database records

Distance (m)/ orientation	Land use / permitted activity / authorisation	Development considerations
8m (N)	Historical landfill at Water Lane, Storrington. Waste type: inert, industrial. Recorded between 1960 and 1970.	None.
177-220m (S, NW)	13No. Waste exemptions relating to treating, using, disposing and storing of non-agricultural and agricultural waste.	None.
58-137m (E, S, SE)	3No. Licenced pollutant releases. Two historical permits relating to metal decontamination and timber manufacturer. One active permit relating to waste oil burner.	None.
On Site	1No. authorisation for disposal of radioactive waste at Tesla Engineering. Revoked/cancelled in 2015.	Potential contamination associated with radioactive waste.
73m (W)	1No. Licenced discharge to controlled waters of final/treated sewage effluent to freshwater river at East Wantley Farm.	None.
197-210m (NW, SE)	2No. Pollution incidents in 2001 and 2002 with minor impact to water and land respectively. Pollutants given as other and tyres.	None.

2.9. Geo-hazards

The Groundsure report includes information from the BGS regarding potential geohazards on or near the Site. These potential geo-hazards have been summarised in Table 2-4 below.

Table 2-4 Summary of geo-hazards

The following have been identified by the BGS on Site:		
Ground stability hazards	Collapsible Ground	Very low.
	Compressible Ground	Negligible.
	Ground Dissolution	Negligible
	Landslide Ground	Very low across the majority of Site, moderate in the centre of Site.
	Running Sand	Low where the Hythe Formation outcrops. Very low across the remainder of Site.
	Shrinking or Swelling Clay	Very low where Head Deposits outcrop. Negligible across the remainder of Site.
Radon	The Site is within a low probability radon area. Less than 1% of homes are estimated to be at or above the Action Level, across the majority of Site. In the south of the Site, between 1% and 3% of homes are estimated to be at or above the Action Level.	

2.10. Environmental designations

Online mapping (Defra) and the Groundsure insight report presented in Appendix D, indicates there are multiple environmental designations on and within close proximity of the Site and in the surrounding local area, a summary of these designations is provided in Table 2-5 below.

Table 2-5 Environmental designations

Designation	Location	Information
Designated Ancient Woodland	49m N and 181m NW	Ancient and semi-natural woodland
Nitrate Vulnerable Zones	On Site	River Avon (to confluence with River Severn) NVW
SSSI (Site of Special Scientific Interest)	480m SE	Sullington Warren SSSI. Designated for its ecology, flora, and fauna.
SSSI Impact Zone	On Site	Consultation with Natural England is required for the following types of developments: Infrastructure: Pipelines and underground cables, pylons and overhead cables (excluding upgrades and refurbishment of existing network). Any transport proposal including new or extended footways, cycleways, roads/car

Designation	Location	Information
		parks, railways and waterways (excluding routine maintenance). Airports, helipads and other aviation proposals. • Wind and Solar: Solar schemes with a footprint > 0.5ha, all wind turbines. • 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. • Rural Non-Residential: Large non-residential developments outside of existing settlements/urban areas where the footprint exceeds 1ha. • Rural Residential: Any residential development of 50 or more units outside existing settlements/urban areas. • Air Pollution: Any development that could cause AIR POLLUTION (including: industrial/commercial processes, livestock & poultry units, slurry lagoons/manure stores). • Combustion: All general combustion processes. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/combustion. • Waste: Mechanical and biological waste treatment, inert landfill, non-hazardous landfill, hazardous landfill, household civic amenity recycling facilities construction, demolition and excavation waste, other waste management. • Compost: Any composting proposal. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management. • Discharge: Any discharge of water or liquid waste of more than 5m³/day that is discharged to ground (ie to seep away) or to surface water, such as a beck or stream.

2.11. Preliminary UXO risk assessment

Zetica produce online mapping relating to potential risks associated with discovering unexploded ordnance (UXO). Risk of encountering UXO on Site is given as low.

3. Conceptual site model and risk assessment

The following section draws together a preliminary conceptual site model. The relationship of identified sources, viable pathways and identified environmental receptors is considered and used as a technical basis to inform a qualitative assessment of risk to human health and the wider environment posed by the proposed ground conditions and the proposed redevelopment of the Site.

3.1. Sources

The key identified contaminant sources are summarised as follows and covered within the risk assessment table in Section 3.4 below.

3.1.1. On Site source potential

- None

3.1.2. Off Site source potential

- Depot and various works at Water Lane Industrial Estate

3.2. Pathways

For the purposes of this risk assessment, it is assumed that the relevant pathways comprise:

- Direct contact with sub-surface materials (dermal soil/ leachate contact, soil ingestion and dust ingestion/ inhalation);
- Leaching of contaminants to groundwater;
- Migration of dissolved phase contamination in groundwater;
- Ingress into potable supply pipes;
- Preferential flow through the drainage system; and,
- Migration of gas and/ or vapours through preferential pathways and/ or permeable sub-surface materials.

3.2.1. Construction-phase pathways

In addition to the above, during the redevelopment of the Site it will be necessary to cause a period of exposure of bare earth. This in turn will allow for increased infiltration during rainfall events, and therefore an increased potential for leaching and throughflow of potential sub-surface contaminants.

3.3. Receptors

The key identified potential environmental receptors are summarised as follows and covered within the risk assessment table in Section 3.4 below.

3.3.1. Human health

- Future residential Site users; and,
- Construction and maintenance workers (short term acute risks).

3.3.2. Wider environment

- Principal, Secondary A and Secondary Undifferentiated Aquifers; and,
- Sullington Warren SSSI.

3.4. Qualitative risk assessment

A summary of the potential contaminant linkages associated with the Site is presented in Table 3-1 alongside an assessment of the risks posed by each linkage. The contaminant linkages have been assessed using the risk assessment methodology described in CIRIA C552 (2001). As such, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with any such contamination. The classification system used to define contaminant probability, consequence and risk is described in Appendix E.

Land south of Northlands Lane: Geo-environmental desk study
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Table 3-1 Pollutant linkage assessment

Sources	Pathways	Receptors	Consequence	Probability	Risk	Discussion
On Site Asbestos relating to demolition of on Site buildings Off Site Depot and various works at Water Lane Industrial Estate	Direct human contact exposure pathways (dermal, ingestion, inhalation)	Construction and maintenance workers	Medium	Low likelihood	Moderate/low	Should development be carried out, risk to construction workers can be adequately managed by precautions and health and safety procedures commensurate with working on brownfield sites.
		Future Site users	Medium	Unlikely	Low	None required.
	Ingress into potable supply pipes	Future Site users	Medium	Unlikely	Low	None required.
	Migration of gases and/or vapours through permeable subsurface materials and/or preferential pathways	Future Site users	Medium	Unlikely	Low	Whilst there is the potential for vapour/gas generation associated with the off-Site depot/works it is unlikely to have impacted the Site.
	Leaching and/or water mobile constituents passing through permeable sub-surface soils and/or shallow preferential pathways	Principal, Secondary A and Secondary Undifferentiated Aquifers	Medium	Unlikely	Low	All potential sources are located off Site.
		Ordinary watercourse at north of Site Sullington Warren SSSI				

4. Conclusions and next steps

4.1. Conclusions

The Site spans across two undeveloped agricultural fields. A review of historical mapping showed the Site has remained undeveloped from earliest OS mapping. No potential sources of contamination were identified on Site. Off Site, Water Lane Industrial Estate which includes depots and various works, border the Site, representing an additional potential source of contamination.

The potential risks to **human health** prior to mitigation are considered to be **MODERATE/ LOW**. This is predominantly driven by the potential risks to construction workers which may be reduced to **LOW** with suitable precautions and health and safety procedures commensurate with working on brownfield sites.

The potential risks to the **wider environment** prior to mitigation are assessed to be **LOW**. On the basis of no on Site sources being identified.

4.2. Next steps

No further investigation is deemed necessary. However, a watching brief should be maintained during future groundworks.

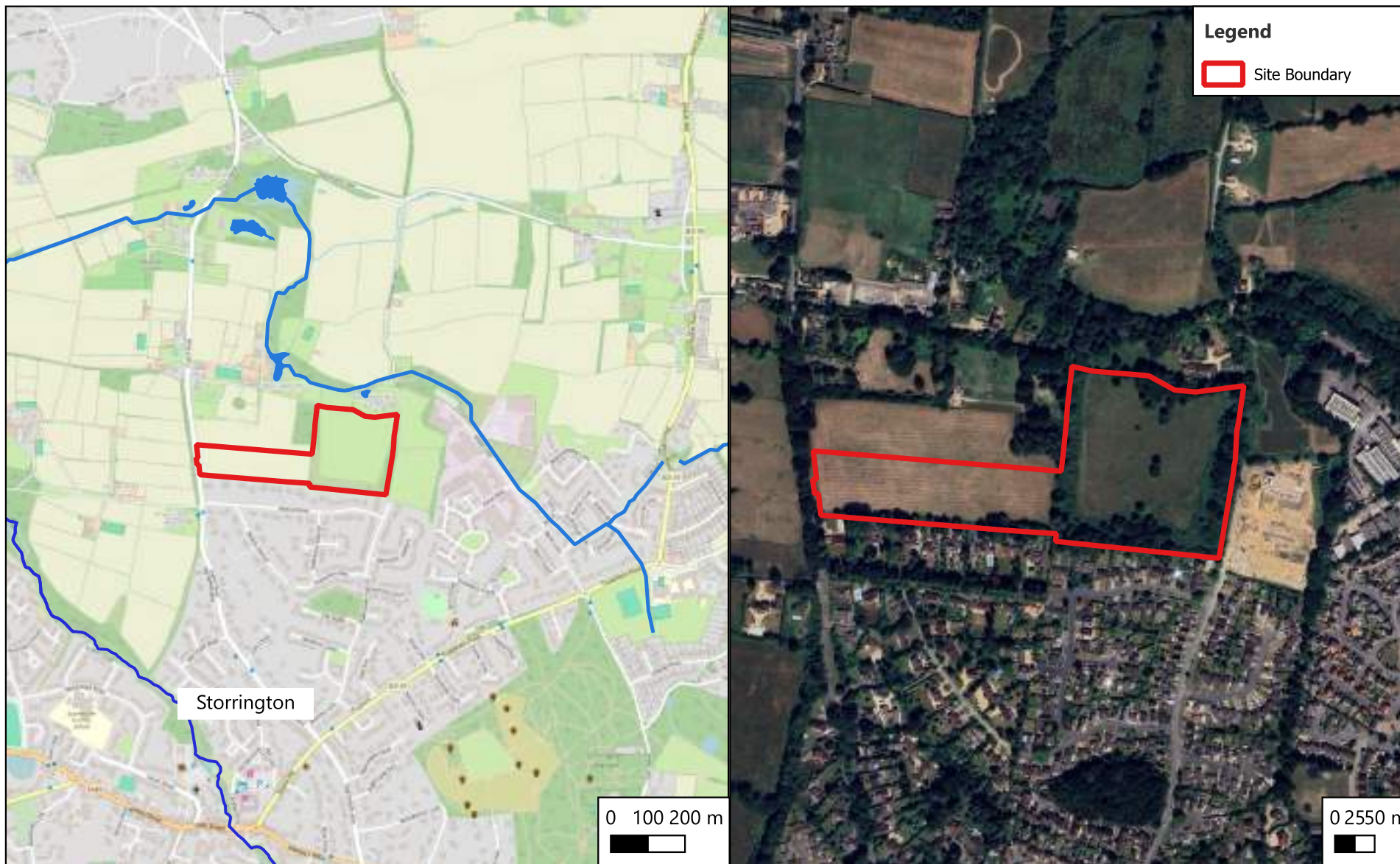


Figure Title

Site location

Client

Fairfax Acquisitions Ltd

Drawing Number

P25017_D01

Project Number

P25017

Date

24/04/2026

Scale

NTS

Drawn

RLW

Site Location

Northlands Lane, Storrington

Original

A4

Checked

JEM



Report Conditions

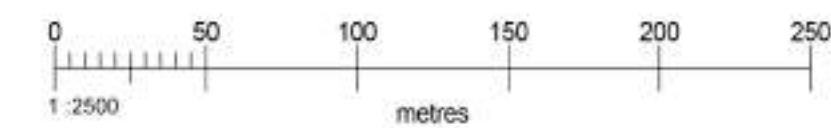
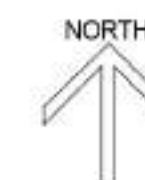
This report has been prepared by Aqua Terra Consultants Ltd. (Aqua Terra) in its professional capacity as soil and groundwater specialists, with reasonable skill, care and diligence within the agreed scope and terms of contract and taking account of the manpower and resources devoted to it by agreement with its client and is provided by Aqua Terra solely for the internal use of its client.

The advice and opinions in this report should be read and relied on only in the context of the report, taking account of the terms of reference agreed with the client. The findings are based on the information made available to Aqua Terra at the date of the report (and will have been assumed to be correct) and on current UK standards, codes, technology, and practices as at that time. They do not purport to include any manner of legal advice or opinion. New information or changes in conditions and regulatory requirements may occur in future, which will change the conclusions presented here.

Where necessary and appropriate, the report represents and relies on published information from third party, publicly and commercially available sources which is used in good faith of its accuracy and efficacy. Aqua Terra cannot accept responsibility for the work of others.

Site investigation results necessarily rely on tests and observations within exploratory holes only. The inherent variation in ground conditions mean that the results may not be representative of ground conditions between exploratory holes. Aqua Terra take no responsibility for variation in ground conditions between exploratory positions.

This report is confidential to the client. The client may submit the report to regulatory bodies, where appropriate. Should the client wish to release this report to any other third party for that party's reliance, Aqua Terra may, by prior written agreement, agree to such release, if it is acknowledged that Aqua Terra accepts no responsibility of any nature to any third party to whom this report or any part thereof is made known. Aqua Terra accepts no responsibility for any loss or damage incurred as a result, and the third party does not acquire any rights whatsoever, contractual, or otherwise, against Aqua Terra except as expressly agreed with Aqua Terra in writing. Aqua Terra reserves the right to withhold and/ or negotiate the transference of reliance on this report, subject to legal and commercial review.



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Fairfax

FAIRFAX ACQUISITIONS LTD

project:
Land at:
NORTHLANDS LANE
STORRINGTON

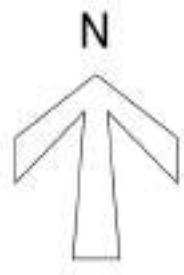
title:
LOCATION PLAN

date: Apr '20 scale: 1:2500 @ A2

drawing number:	Rev.
2505/PL01	D

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FAIRFAX ACQUISITIONS LTD

project:

Land at:

NORTHLANDS LANE
STORRINGTON

title:

ILLUSTRATIVE COLOURED
MASTERPLAN

date: Apr '26

scale: 1:1000 @ A1

drawing number:

2505/PL.05

Rev.

Paul Hewett R.I.B.A.
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	Access gate at the north of Site		Looking south eastwards across the eastern field
Project	Northlands Lane	Date	21-22/7/25
Project No.	P25017	Engineer	RLW
Client	Fairfax Acquisitions Ltd	Comments	



Looking eastwards along pathway in the north of the eastern field. Note overhead lines.

Overhead lines at the east of the eastern field

Project	Northlands Lane	Date	21-22/7/25
Project No.	P25017	Engineer	RLW
Client	Fairfax Acquisitions Ltd	Comments	



Looking eastwards into secure dog field

Northern boundary of the dog field, neighbouring industrial unit can be seen through the vegetation

Project Northlands Lane
 Project No. P25017
 Client Fairfax Acquisitions Ltd

Date 21-22/7/25
 Engineer RLW
 Comments



Eastern boundary of dog field. Elevation drop to neighbouring car park.

Project	Northlands Lane
Project No.	P25017
Client	Fairfax Acquisitions Ltd



North eastern boundary of Site. Partially buried water pipeline

Date	21-22/7/25
Engineer	RLW
Comments	



Western boundary of the eastern field

Gateway at the west of the eastern field

Project Northlands Lane
 Project No. P25017
 Client Fairfax Acquisitions Ltd

Date 21-22/7/25
 Engineer RLW
 Comments



Gateway at the north east of the western field



Looking northwards along public footpath between the two fields

Project	Northlands Lane
Project No.	P25017
Client	Fairfax Acquisitions Ltd

Date	21-22/7/25
Engineer	RLW
Comments	



Looking southwards along public footpath

Project	Northlands Lane
Project No.	P25017
Client	Fairfax Acquisitions Ltd



Footpath into the western field at the north east of the field

Date	21-22/7/25
Engineer	RLW
Comments	



	Woodland at the south of the western field		Southern boundary of the western field
Project	Northlands Lane	Date	21-22/7/25
Project No.	P25017	Engineer	RLW
Client	Fairfax Acquisitions Ltd	Comments	



	Southern boundary of the western field		Looking southwards across the western field
Project	Northlands Lane	Date	21-22/7/25
Project No.	P25017	Engineer	RLW
Client	Fairfax Acquisitions Ltd	Comments	



Public footpath along northern Site boundary

Gateway at the north west of the western field

Project Northlands Lane
 Project No. P25017
 Client Fairfax Acquisitions Ltd

Date 21-22/7/25
 Engineer RLW
 Comments



	Woodland at the north of the western field		Gateway on the public footpath at the north of Site
Project	Northlands Lane	Date	21-22/7/25
Project No.	P25017	Engineer	RLW
Client	Fairfax Acquisitions Ltd	Comments	



Public footpath intersection at the north of the Site		
Project	Northlands Lane	Date
Project No.	P25017	Engineer
Client	Fairfax Acquisitions Ltd	Comments

NORTHLANDS LANS, STORRINGTON, WEST SUSSEX, RH20 3EA

Order Details

Date: 09/07/2025
Your ref: P25017
Our Ref: GS-S3E-26P-GPD-FPG

Site Details

Location: 509233 115309
Area: 6.22 ha
Authority: [Horsham District Council](#) ↗



Summary of findings

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

[p. 9 >](#)

OS MasterMap site plan

[p.14 >](#) [Insight User Guide](#) ↗

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	1	3	0	-
16 >	1.2 >	Historical tanks >	0	0	0	1	-
16 >	1.3 >	Historical energy features >	0	0	7	7	-
17	1.4	Historical petrol stations	0	0	0	0	-
17 >	1.5 >	Historical garages >	0	0	0	4	-
18	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
19 >	2.1 >	Historical industrial land uses >	0	1	3	0	-
20 >	2.2 >	Historical tanks >	0	0	0	1	-
20 >	2.3 >	Historical energy features >	0	0	14	14	-
21	2.4	Historical petrol stations	0	0	0	0	-
22 >	2.5 >	Historical garages >	0	0	0	5	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
23	3.1	Active or recent landfill	0	0	0	0	-
23	3.2	Historical landfill (BGS records)	0	0	0	0	-
24	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
24 >	3.4 >	Historical landfill (EA/NRW records) >	0	1	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
25 >	3.7 >	Waste exemptions >	0	0	14	11	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
28 >	4.1 >	Recent industrial land uses >	1	2	19	-	-
30	4.2	National Geographic Database (NGD) - Current or recent tanks	0	0	0	-	-
30	4.3	Current or recent petrol stations	0	0	0	0	-
30	4.4	Electricity cables	0	0	0	0	-
30	4.5	Gas pipelines	0	0	0	0	-



31	4.6	Sites determined as Contaminated Land	0	0	0	0	-
31	4.7	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
31	4.8	Regulated explosive sites	0	0	0	0	-
31	4.9	Hazardous substance storage/usage	0	0	0	0	-
31	4.10	Historical licensed industrial activities (IPC)	0	0	0	0	-
32	4.11	Licensed industrial activities (Part A(1))	0	0	0	0	-
32 >	4.12 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	3	0	-
32 >	4.13 >	<u>Radioactive Substance Authorisations ></u>	2	0	0	0	-
33 >	4.14 >	<u>Licensed Discharges to controlled waters ></u>	0	0	1	8	-
35	4.15	Pollutant release to surface waters (Red List)	0	0	0	0	-
35	4.16	Pollutant release to public sewer	0	0	0	0	-
35	4.17	List 1 Dangerous Substances	0	0	0	0	-
35	4.18	List 2 Dangerous Substances	0	0	0	0	-
35 >	4.19 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	3	2	-
36	4.20	Pollution inventory substances	0	0	0	0	-
36	4.21	Pollution inventory waste transfers	0	0	0	0	-
37	4.22	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
38 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
40 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
42 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
43	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
43	5.5	Groundwater vulnerability- local information	None (within 0m)				
45 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	2	0	20
51	5.7	Surface water abstractions	0	0	0	0	0
51 >	5.8 >	<u>Potable abstractions ></u>	0	0	2	0	6
53	5.9	Source Protection Zones	0	0	0	0	-
54	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	<u>Hydrology ></u>	On site	0-50m	50-250m	250-500m	500-2000m



55 >	6.1 >	Water Network (OS MasterMap) >	0	4	13	-	-
57 >	6.2 >	Surface water features >	0	3	5	-	-
57 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
58 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
58 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
59 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
60	7.2	Historical Flood Events	0	0	0	-	-
60	7.3	Flood Defences	0	0	0	-	-
60	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
60	7.5	Flood Storage Areas	0	0	0	-	-
61 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
62 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
63 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
65 >	9.1 >	Groundwater flooding >	Low (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
66 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	1	2
67	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
67	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
67	10.4	Special Protection Areas (SPA)	0	0	0	0	0
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
68	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
68 >	10.7 >	Designated Ancient Woodland >	0	1	1	0	9
69	10.8	Biosphere Reserves	0	0	0	0	0
69	10.9	Forest Parks	0	0	0	0	0
69	10.10	Marine Conservation Zones	0	0	0	0	0
69	10.11	Green Belt	0	0	0	0	0



69	10.12	Proposed Ramsar sites	0	0	0	0	0
70	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
70	10.15	Nitrate Sensitive Areas	0	0	0	0	0
70	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
71 >	10.17 >	SSSI Impact Risk Zones >	3	-	-	-	-
72 >	10.18 >	SSSI Units >	0	0	0	1	3
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
74	11.1	World Heritage Sites	0	0	0	-	-
75	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
75	11.3	National Parks	0	0	0	-	-
75 >	11.4 >	Listed Buildings >	0	2	1	-	-
76	11.5	Conservation Areas	0	0	0	-	-
76	11.6	Scheduled Ancient Monuments	0	0	0	-	-
76	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
77 >	12.1 >	Agricultural Land Classification >	Non Agricultural (within 250m)				
78	12.2	Open Access Land	0	0	0	-	-
78	12.3	Tree Felling Licences	0	0	0	-	-
78	12.4	Environmental Stewardship Schemes	0	0	0	-	-
79	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
80 >	13.1 >	Priority Habitat Inventory >	0	4	5	-	-
81	13.2	Habitat Networks	0	0	0	-	-
81	13.3	Open Mosaic Habitat	0	0	0	-	-
81	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
82 >	14.1 >	10k Availability >	Identified (within 500m)				
83 >	14.2 >	Artificial and made ground (10k) >	0	1	0	0	-

84 >	14.3 >	Superficial geology (10k) >	1	1	3	1	-
85	14.4	Landslip (10k)	0	0	0	0	-
86 >	14.5 >	Bedrock geology (10k) >	2	0	4	2	-
87	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
88 >	15.1 >	50k Availability >	Identified (within 500m)				
89	15.2	Artificial and made ground (50k)	0	0	0	0	-
89	15.3	Artificial ground permeability (50k)	0	0	-	-	-
90 >	15.4 >	Superficial geology (50k) >	1	1	2	1	-
91 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
91	15.6	Landslip (50k)	0	0	0	0	-
91	15.7	Landslip permeability (50k)	None (within 50m)				
92 >	15.8 >	Bedrock geology (50k) >	2	0	2	2	-
93 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
93	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
94 >	16.1 >	BGS Boreholes >	0	0	2	-	-
Page	Section	Natural ground subsidence >					
96 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
97 >	17.2 >	Running sands >	Low (within 50m)				
99 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
101 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
102 >	17.5 >	Landslides >	Low (within 50m)				
104 >	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
106	18.1	BritPits	0	0	0	0	-
107 >	18.2 >	Surface ground workings >	0	0	8	-	-
107	18.3	Underground workings	0	0	0	0	0
107	18.4	Underground mining extents	0	0	0	0	-



108	18.5	Historical Mineral Planning Areas	0	0	0	0	-
108 >	18.6 >	Non-coal mining >	1	0	2	0	3
109	18.7	JPB mining areas	None (within 0m)				
109	18.8	The Coal Authority non-coal mining	0	0	0	0	-
109	18.9	Researched mining	0	0	0	0	-
110	18.10	Mining record office plans	0	0	0	0	-
110	18.11	BGS mine plans	0	0	0	0	-
110	18.12	Coal mining	None (within 0m)				
110	18.13	Brine areas	None (within 0m)				
110	18.14	Gypsum areas	None (within 0m)				
111	18.15	Tin mining	None (within 0m)				
111	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
112	19.1	Natural cavities	0	0	0	0	-
112	19.2	Mining cavities	0	0	0	0	0
112	19.3	Reported recent incidents	0	0	0	0	-
112	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
114 >	20.1 >	Radon >	Between 1% and 3% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
116 >	21.1 >	BGS Estimated Background Soil Chemistry >	3	2	-	-	-
116	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
117	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
118	22.1	Underground railways (London)	0	0	0	-	-
118	22.2	Underground railways (Non-London)	0	0	0	-	-
118	22.3	Railway tunnels	0	0	0	-	-
118	22.4	Historical railway and tunnel features	0	0	0	-	-
118	22.5	Royal Mail tunnels	0	0	0	-	-



119	22.6	Historical railways	0	0	0	-	-
119	22.7	Railways	0	0	0	-	-
119	22.8	Crossrail 2	0	0	0	0	-
119	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 22/04/2021

Site Area: 6.22ha



Recent site history - 2018 aerial photograph



Capture Date: 26/06/2018

Site Area: 6.22ha



Recent site history - 2012 aerial photograph



Capture Date: 13/09/2012

Site Area: 6.22ha



Recent site history - 2009 aerial photograph



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Capture Date: 22/08/2009

Site Area: 6.22ha



Recent site history - 1999 aerial photograph



Capture Date: 29/08/1999

Site Area: 6.22ha





1 Past land use



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

1.1 Historical industrial land uses

Records within 500m

4

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	On site	Unspecified Depot	1976	2170104



ID	Location	Land use	Dates present	Group ID
2	73m N	Cuttings	1957	2157234
4	74m NE	Refuse Heap	1976	2159543
5	208m SE	Unspecified Works	1980	2182294

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
7	290m SE	Septic Tank	1937	383033

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

14

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	73m SE	Electricity Substation	1979 - 1991	285481
A	163m SE	Electricity Substation	1979 - 1991	286789
A	166m SE	Electricity Substation	1973	308163
B	179m S	Electricity Substation	1985	271568



ID	Location	Land use	Dates present	Group ID
B	184m S	Electricity Substation	1990 - 1993	302563
B	184m S	Electricity Substation	1980	297398
6	234m SE	Electricity Substation	1979 - 1991	306643
8	311m W	Electricity Substation	1973 - 1995	278771
9	415m SE	Electricity Substation	1982 - 1991	287366
C	453m SE	Electricity Substation	1990 - 1993	299357
C	454m SE	Electricity Substation	1971 - 1985	282919
D	459m SE	Electricity Substation	1985	271569
D	470m SE	Electricity Substation	1990 - 1993	285516
D	470m SE	Electricity Substation	1971 - 1980	310133

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0
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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	4
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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'.

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

ID	Location	Land use	Dates present	Group ID
C	453m SE	Garage	1971 - 1980	90150



ID	Location	Land use	Dates present	Group ID
C	472m SE	Garage	1993	90553
C	473m SE	Garage	1985	89223
C	473m SE	Garage	1990	93166

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
- Historical garages

2.1 Historical industrial land uses

Records within 500m

4

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

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

ID	Location	Land Use	Date	Group ID
1	On site	Unspecified Depot	1976	2170104
2	73m N	Cuttings	1957	2157234
3	74m NE	Refuse Heap	1976	2159543



ID	Location	Land Use	Date	Group ID
4	208m SE	Unspecified Works	1980	2182294

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

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

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

ID	Location	Land Use	Date	Group ID
5	290m SE	Septic Tank	1937	383033

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	28
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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 19 >](#)

ID	Location	Land Use	Date	Group ID
A	73m SE	Electricity Substation	1979	285481
A	73m SE	Electricity Substation	1991	285481
A	76m SE	Electricity Substation	1982	285481
B	163m SE	Electricity Substation	1979	286789
B	163m SE	Electricity Substation	1991	286789
B	166m SE	Electricity Substation	1982	286789
B	166m SE	Electricity Substation	1973	308163
C	179m S	Electricity Substation	1985	271568
C	184m S	Electricity Substation	1993	302563



ID	Location	Land Use	Date	Group ID
C	184m S	Electricity Substation	1980	297398
C	184m S	Electricity Substation	1990	302563
D	234m SE	Electricity Substation	1979	306643
D	234m SE	Electricity Substation	1991	306643
D	236m SE	Electricity Substation	1982	306643
E	311m W	Electricity Substation	1973	278771
E	312m W	Electricity Substation	1995	278771
F	415m SE	Electricity Substation	1991	287366
F	418m SE	Electricity Substation	1982	287366
G	453m SE	Electricity Substation	1993	299357
G	454m SE	Electricity Substation	1990	299357
G	454m SE	Electricity Substation	1985	282919
G	454m SE	Electricity Substation	1980	282919
G	454m SE	Electricity Substation	1971	282919
H	459m SE	Electricity Substation	1985	271569
H	470m SE	Electricity Substation	1993	285516
H	470m SE	Electricity Substation	1980	310133
H	470m SE	Electricity Substation	1971	310133
H	471m SE	Electricity Substation	1990	285516

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

5

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'.

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

ID	Location	Land Use	Date	Group ID
G	453m SE	Garage	1980	90150
G	453m SE	Garage	1971	90150
G	472m SE	Garage	1993	90553
G	473m SE	Garage	1985	89223
G	473m SE	Garage	1990	93166

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**1**

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 23 >](#)

ID	Location	Details		
1	8m N	Site Address: Water Lane, Storrington, Sullington, Sussex Licence Holder Address: -	Waste Licence: Yes Site Reference: WD27/214 Waste Type: Inert, Industrial Environmental Permitting Regulations (Waste) Reference: - Licence Issue: 01/01/1976 Licence Surrender: -	Operator: - Licence Holder: - First Recorded 31/12/1960 Last Recorded: 31/12/1970

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

25

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

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

ID	Location	Site	Reference	Category	Sub-Category	Description
2	177m S	End Of Road, Robell Way, Waterlane, Storrington, Rh20 3ds	WEX121141	Treating waste exemption	Not on a farm	Screening and blending of waste
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Disposing of waste exemption	Agricultural waste only	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Disposing of waste exemption	Agricultural waste only	Disposal by incineration
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Disposing of waste exemption	Agricultural waste only	Burning waste in the open
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Using waste exemption	Agricultural waste only	Spreading waste on agricultural land to confer benefit
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Screening and blending of waste
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Disposing of waste exemption	Agricultural waste only	Deposit of waste from dredging of inland waters
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Storing waste exemption	Agricultural waste only	Storage of waste in secure containers
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Treating waste exemption	Agricultural waste only	Aerobic composting and associated prior treatment
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Using waste exemption	Agricultural waste only	Burning of waste as a fuel in a small appliance
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Using waste exemption	Agricultural waste only	Use of waste for a specified purpose



ID	Location	Site	Reference	Category	Sub-Category	Description
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Treating waste exemption	Both agricultural and non-agricultural waste	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	220m NW	West Wantly Farm Fryern Road Rh20 4bj	EPR/AE5288TK /A001	Using waste exemption	Both agricultural and non-agricultural waste	Use of waste in construction
3	243m SE	12 Brook Close Pulborough West Sussex Rh20 3nt	EPR/WF0109N Z/A001	Treating waste exemption	Non-agricultural waste only	Screening and blending of waste
4	277m SE	-	WEX197995	Using waste exemption	Not on a farm	Use of waste in construction
5	336m W	-	WEX266678	Using waste exemption	Not on a farm	Use of waste in construction
B	448m NW	Oldfield Stables, Fryern Road, Storrington, Pulborough, Rh20 4bj	WEX288809	Storing waste exemption	Not on a farm	Storage of waste in a secure place
B	448m NW	Oldfield Stables, Fryern Road, Storrington, Pulborough, Rh20 4bj	WEX288809	Using waste exemption	Not on a farm	Use of waste in construction
B	448m NW	Oldfield Stables, Fryern Road, Storrington, Pulborough, Rh20 4bj	WEX413191	Using waste exemption	Not on a farm	Use of waste in construction
C	478m NW	West Wantley Farm, Fryern Road, Storrington, Rh20 4bj	WEX052394	Disposing of waste exemption	On a farm	Disposal by incineration
C	478m NW	West Wantley Farm, Fryern Road, Storrington, Rh20 4bj	WEX052394	Disposing of waste exemption	On a farm	Deposit of agricultural waste consisting of plant tissue under a Plant Health notice
C	478m NW	West Wantley Farm, Fryern Road, Storrington, Rh20 4bj	WEX052394	Disposing of waste exemption	On a farm	Burning waste in the open
C	478m NW	West Wantley Farm, Fryern Road, Storrington, Rh20 4bj	WEX052394	Disposing of waste exemption	On a farm	Deposit of waste from dredging of inland waters
C	478m NW	Oldfield Stables, Fryern Road, Storrington, Pulborough, Rh20 4bj	WEX418229	Storing waste exemption	Not on a farm	Storage of waste in a secure place

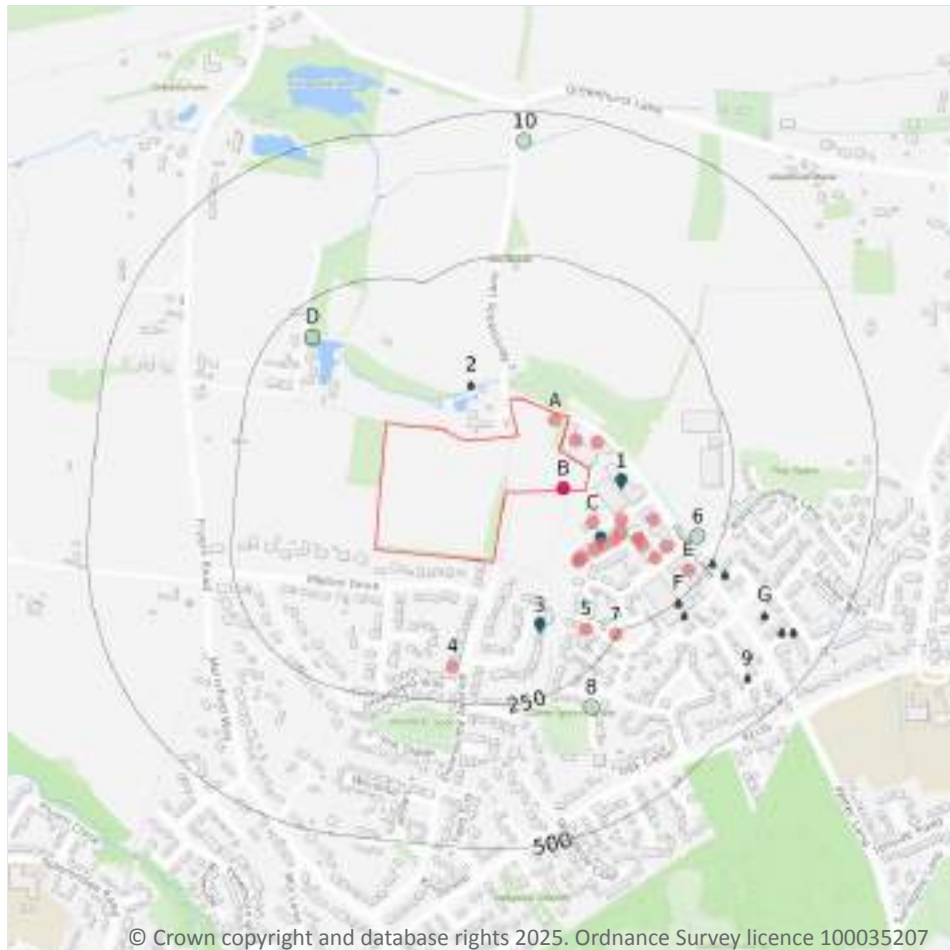


ID	Location	Site	Reference	Category	Sub-Category	Description
C	478m NW	Oldfield Stables, Fryern Road, Storrington, Pulborough, Rh20 4bj	WEX418229	Using waste exemption	Not on a farm	Use of waste in construction

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- Licensed pollutant release (Part A(2)/B)
- Radioactive Substance Authorisations
- Licensed Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

22

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 28](#) >

ID	Location	Company	Address	Activity	Category
A	On site	Electricity Sub Station	West Sussex, RH20	Electrical Features	Infrastructure and Facilities
A	22m E	Works	West Sussex, RH20	Unspecified Works Or Factories	Industrial Features
A	47m NE	Works	West Sussex, RH20	Unspecified Works Or Factories	Industrial Features



ID	Location	Company	Address	Activity	Category
C	58m S	Mast	West Sussex, RH20	Telecommunications Features	Infrastructure and Facilities
C	80m SE	Electricity Sub Station	West Sussex, RH20	Electrical Features	Infrastructure and Facilities
C	95m SE	Peter Potter Ltd	Site E Cottons Yard, Water Lane, Storrington, West Sussex, RH20 3EA	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
C	98m S	Wiggs Auto Repairs	Unit 6 Cottons Yard, Water Lane, Storrington, West Sussex, RH20 3EA	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	98m SE	Reed Between the Rust	Site D Cottons Yard, Water Lane, Storrington, West Sussex, RH20 3EA	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	104m S	Tesla Engineering	Unit 4 Cottons Yard, Water Lane, Storrington, West Sussex, RH20 3EA	Special Purpose Machinery and Equipment	Industrial Products
C	116m S	David Rose Classics	Unit 2 Water Lane, Storrington, Pulborough, West Sussex, RH20 3EA	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	122m S	Bearded Hero	Unit 1 Cottons Yard, Water Lane, Storrington, West Sussex, RH20 3EA	Construction and Tool Hire	Hire Services
C	122m S	Labelman	Cottons Yard, Water Lane, Storrington, West Sussex, RH20 3EA	Stationery, Stamps, Tags and Labels	Industrial Products
C	124m SE	Alpha Automobiles	Unit 19c, Robell Way, Storrington, West Sussex, RH20 3DW	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	124m SE	A Local Printer	Unit 18c, Robell Way, Storrington, West Sussex, RH20 3DN	Plate Makers, Print Finishers and Type Setters	IT, Advertising, Marketing and Media Services
C	128m SE	G D H Car Sales	Unit 10, Water Lane, Storrington, West Sussex, RH20 3EA	Secondhand Vehicles	Motoring
C	137m SE	Epal Engineering	Unit 19b, Robell Way, Storrington, West Sussex, RH20 3DW	Precision Engineers	Engineering Services
C	169m SE	Electricity Sub Station	West Sussex, RH20	Electrical Features	Infrastructure and Facilities
C	171m SE	Wakefield Security Systems Ltd	Unit 8, Robell Way, Storrington, West Sussex, RH20 3DW	Electronic Equipment	Industrial Products
4	188m S	Electricity Sub Station	West Sussex, RH20	Electrical Features	Infrastructure and Facilities



ID	Location	Company	Address	Activity	Category
5	199m SE	Spiral Publishing Ltd	38, Pulla Hill Drive, Storrington, West Sussex, RH20 3LS	Published Goods	Industrial Products
E	226m SE	Josdiaries	Units 3 to 5, Robell Way, Storrington, West Sussex, RH20 3DW	Published Goods	Industrial Products
7	247m SE	Electricity Sub Station	West Sussex, RH20	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

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

Records within 250m **0**

Current or recent tanks identified from the Ordnance Survey NGD.

This data is sourced from Ordnance Survey.

4.3 Current or recent petrol stations

Records within 500m **0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m **0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m **0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.



4.6 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m**0**

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m	0
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Records of Part A(1) installations regulated under the Environmental Permitting (England and Wales) Regulations 2016 for the release of substances to the environment.

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

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

Records within 500m	3
---------------------	---

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

Features are displayed on the Current industrial land use map on [page 28 >](#)

ID	Location	Address	Details	
1	58m E	Tesla Engineering Ltd, Water Lane, Storrington, West Sussex, RH20 3EA	Process: Metal Decontamination Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
C	88m S	Wiggs Auto-Repairs, Unit 6 Cottons Yard, Water Lane, Storrington, Pulborough, West Sussex, RH20 3EA	Process: Waste Oil Burner 0.4 MW Status: New Legislation Applies Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
3	137m SE	Paula Rosa Kitchens, Water Lane Trading Estate, Robell Way, Storrington, West Sussex, RH20 3DS	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.13 Radioactive Substance Authorisations

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

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

Features are displayed on the Current industrial land use map on [page 28 >](#)

ID	Location	Address	Details	
B	On site	Tesla Engineering Ltd, Factory Unit 3, Water Lane, Storrington, Pulborough, West Sussex, RH20 3EA	Operator: Tesla Engineering Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AL6310 Date of approval: 22/07/1994	Effective from: 25/07/1994 Last date of update: 01/01/2015 Status: Superseded By Variation
B	On site	Tesla Engineering Ltd, Factory Unit 3, Water Lane, Storrington, Pulborough, West Sussex, RH20 3EA	Operator: Tesla Engineering Ltd Type: Disposal Of Radioactive Waste (was Rsa60 Section 6). Permission number: AL6310 Date of approval: 19/09/2003	Effective from: 30/10/2003 Last date of update: 01/01/2015 Status: Revoked/cancelled

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

4.14 Licensed Discharges to controlled waters

Records within 500m

9

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	
2	73m W	EASTWANTLEYFARM,EASTWANTLEYFARM,NORTHLANDSLANE,STORRINGTON,WESTSUSSEX,RH204EZ	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P05519 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 13/09/1994 Effective Date: 13/09/1994 Revocation Date: -
F	254m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991
E	254m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991



ID	Location	Address	Details	
F	276m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991
E	282m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991
G	378m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991
G	420m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991
9	431m SE	WATERLANE,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: S01744 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 06/08/1968 Effective Date: 06/08/1968 Revocation Date: 24/02/1998
G	437m SE	RESIDENTIALDEVELOPMENT,RESIDENTIALDEVELOPMENT,WATERLANE,STORRINGTON,WESTSUSSEX	Effluent Type: MISCELLANEOUS DISCHARGES - SURFACE WATER Permit Number: N02034 Permit Version: 1 Receiving Water: FRESHWATER RIVER	Status: PRE NRA LEGISLATION WHERE ISSUE DATE 01-SEP-89 (HISTORIC ONLY) Issue date: 24/01/1977 Effective Date: 24/01/1977 Revocation Date: 01/07/1991

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



4.15 Pollutant release to surface waters (Red List)

Records within 500m**0**

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

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

4.16 Pollutant release to public sewer

Records within 500m**0**

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m**0**

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

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

4.18 List 2 Dangerous Substances

Records within 500m**0**

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m**5**

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

Features are displayed on the Current industrial land use map on [page 28 >](#)



ID	Location	Details	
D	197m NW	Incident Date: 30/09/2001 Incident Identification: 33811 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
D	197m NW	Incident Date: 30/09/2001 Incident Identification: 33811 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
6	210m SE	Incident Date: 22/10/2002 Incident Identification: 116109 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
8	305m SE	Incident Date: 09/07/2001 Incident Identification: 14961 Pollutant: Specific Waste Materials Pollutant Description: Batteries	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
10	448m N	Incident Date: 03/11/2003 Incident Identification: 199487 Pollutant: Specific Waste Materials Pollutant Description: Metal Wastes	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.20 Pollution inventory substances

Records within 500m	0
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The pollution inventory (substances) includes reporting on annual emissions of certain regulated substances to air, controlled waters and land. A reporting threshold for each substance is also included. Where emissions fall below the reporting threshold, no value will be given. The data is given for the most recent complete year available.

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

4.21 Pollution inventory waste transfers

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

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

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



4.22 Pollution inventory radioactive waste

Records within 500m

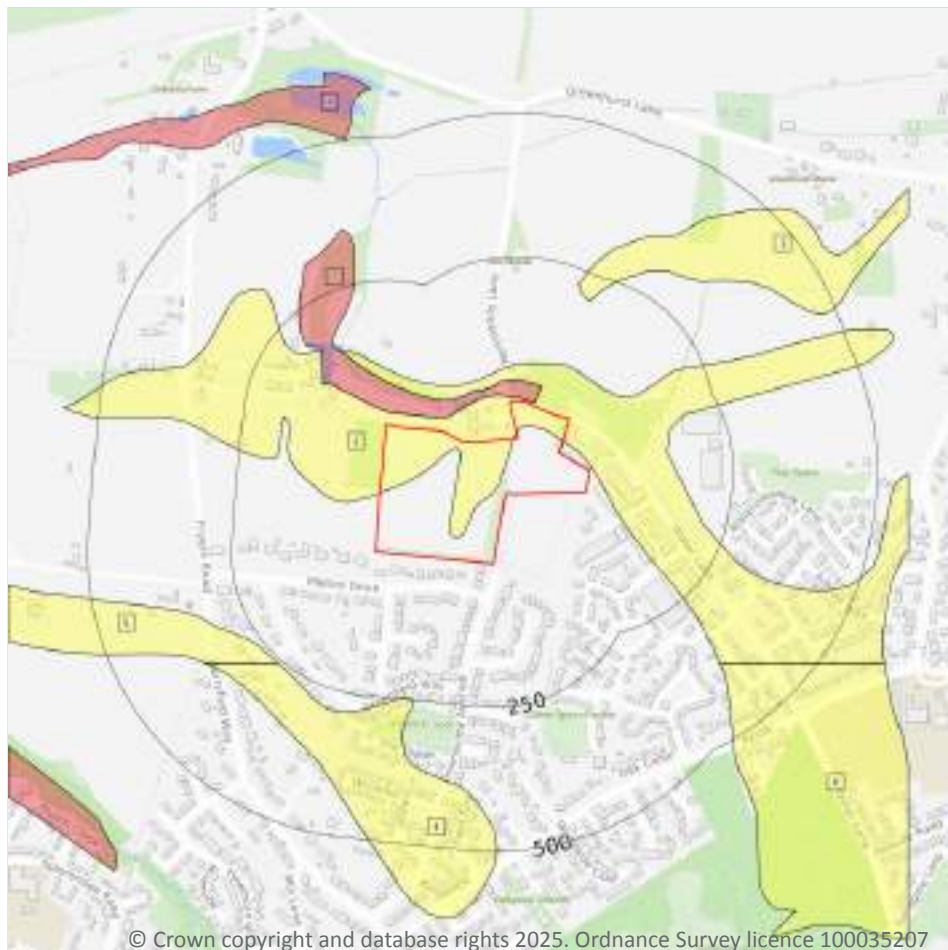
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The pollution inventory (radioactive wastes) includes reporting on annual releases of radioactive substances from a site, including the means of release. Where releases fall below the reporting threshold, no value will be given. The data is given for 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

7

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 38](#) >

ID	Location	Designation	Description
1	On site	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
2	4m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

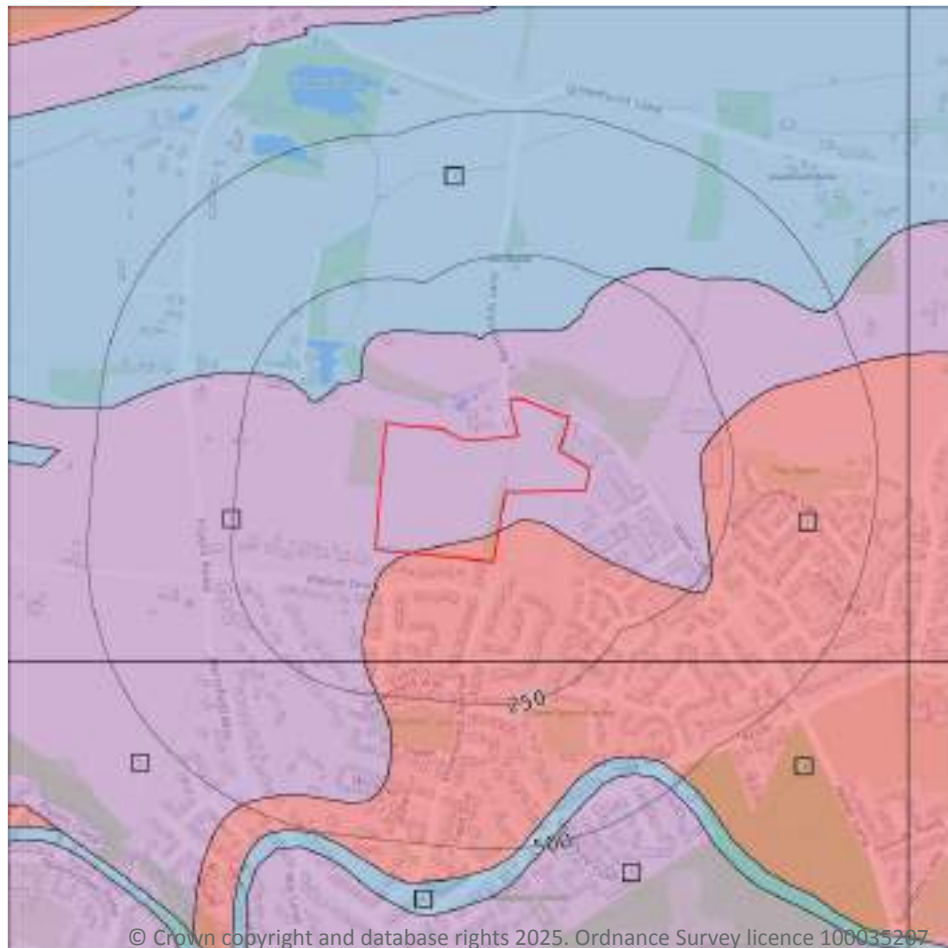


ID	Location	Designation	Description
3	205m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	246m S	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
5	257m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
6	377m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
7	499m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

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5.2 Bedrock aquifer

Records within 500m

7

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 40](#) >

ID	Location	Designation	Description
1	On site	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
2	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

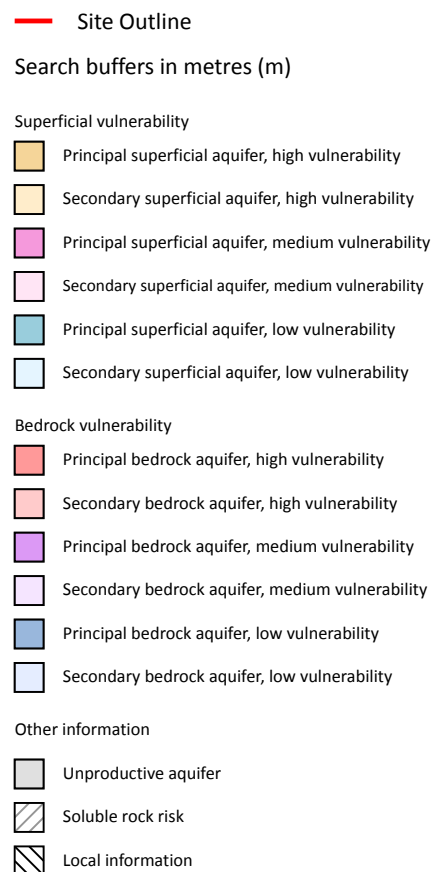
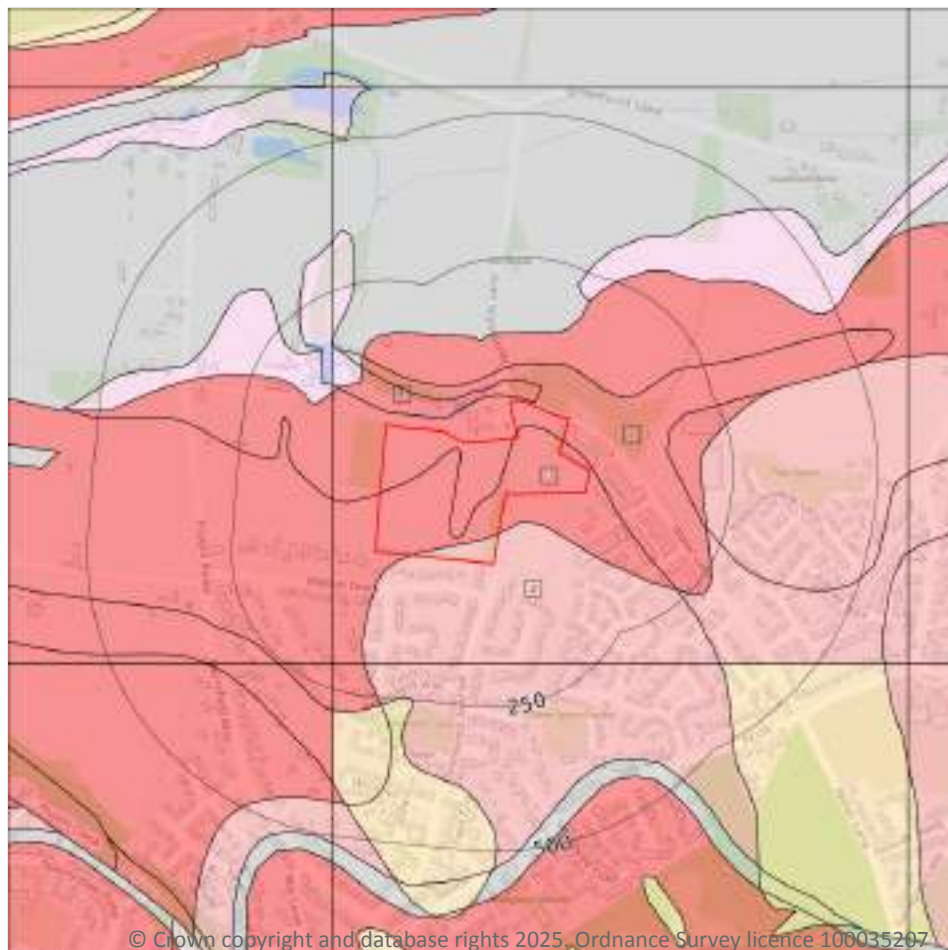


ID	Location	Designation	Description
3	86m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	173m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	195m S	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers
6	397m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	430m SE	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

4

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

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

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

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

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

0

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



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



Abstractions and Source Protection Zones



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

5.6 Groundwater abstractions

Records within 2000m

22

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 45 >](#)

ID	Location	Details	
A	93m S	Status: Active Licence No: SO/041/0025/012 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE B DOWNSVIEW AVENUE Data Type: Point Name: Croudace Homes Limited Easting: 509405 Northing: 115203	Annual Volume (m ³): 11805 Max Daily Volume (m ³): 33 Original Application No: NPS/WR/036778 Original Start Date: 21/09/2023 Expiry Date: 31/03/2040 Issue No: 1 Version Start Date: 21/09/2023 Version End Date: -
B	108m E	Status: Active Licence No: SO/041/0025/012 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE A DOWNSVIEW AVENUE Data Type: Point Name: Croudace Homes Limited Easting: 509386 Northing: 115156	Annual Volume (m ³): 11805 Max Daily Volume (m ³): 33 Original Application No: NPS/WR/036778 Original Start Date: 21/09/2023 Expiry Date: 31/03/2040 Issue No: 1 Version Start Date: 21/09/2023 Version End Date: -
-	1254m SE	Status: Active Licence No: 25/084 Details: Mineral Washing Direct Source: Southern Region Groundwater Point: POINT A, SANDGATE PIT, STORRINGTON Data Type: Point Name: Cemex UK Materials Ltd Easting: 510200 Northing: 114300	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 910 Original Application No: NPS/WR/030715 Original Start Date: 21/05/1993 Expiry Date: - Issue No: 103 Version Start Date: 21/12/2018 Version End Date: -
-	1270m W	Status: Historical Licence No: SO/041/0025/017 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE A AT GREENACRES, HURSTON LANE, STORRINGTON Data Type: Point Name: Simon Patience (New Homes) LTD Easting: 507831 Northing: 114931	Annual Volume (m ³): 5866 Max Daily Volume (m ³): 26 Original Application No: NPS/WR/038562 Original Start Date: 26/09/2023 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 26/09/2023 Version End Date: -



ID	Location	Details	
-	1270m W	Status: Historical Licence No: SO/041/0025/017 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE A AT GREENACRES, HURSTON LANE, STORRINGTON Data Type: Point Name: Simon Patience (New Homes) LTD Easting: 507831 Northing: 114931	Annual Volume (m ³): 5866 Max Daily Volume (m ³): 26 Original Application No: NPS/WR/038562 Original Start Date: 26/09/2023 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 26/09/2023 Version End Date: -
-	1272m S	Status: Active Licence No: 10/41/415407 Details: Mineral Washing Direct Source: Southern Region Groundwater Point: SAND QUARRY AT CHANTRY LANE Data Type: Point Name: Dudman Chantry (Industries) Ltd Easting: 509430 Northing: 113910	Annual Volume (m ³): 99000 Max Daily Volume (m ³): 660 Original Application No: - Original Start Date: 10/07/1989 Expiry Date: - Issue No: 102 Version Start Date: 16/04/2019 Version End Date: -
-	1312m W	Status: Historical Licence No: SO/041/0025/017 Details: Spray Irrigation - Direct Direct Source: Southern Region Groundwater Point: BOREHOLE B AT GREENACRES, HURSTON LANE, STORRINGTON Data Type: Point Name: Simon Patience (New Homes) LTD Easting: 507786 Northing: 114943	Annual Volume (m ³): 5866 Max Daily Volume (m ³): 26 Original Application No: NPS/WR/038562 Original Start Date: 26/09/2023 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 26/09/2023 Version End Date: -
-	1312m W	Status: Historical Licence No: SO/041/0025/017 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE B AT GREENACRES, HURSTON LANE, STORRINGTON Data Type: Point Name: Simon Patience (New Homes) LTD Easting: 507786 Northing: 114943	Annual Volume (m ³): 5866 Max Daily Volume (m ³): 26 Original Application No: NPS/WR/038562 Original Start Date: 26/09/2023 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 26/09/2023 Version End Date: -



ID	Location	Details	
-	1334m SE	Status: Active Licence No: SO/041/0025/006 Details: Dewatering Direct Source: Southern Region Groundwater Point: FOKLSTONE BEDS AT SANDGATE QUARRY Data Type: Poly4 Name: Cemex UK Materials Ltd Easting: 510255 Northing: 114241	Annual Volume (m ³): 2295120 Max Daily Volume (m ³): 6288 Original Application No: NPS/NA/000103 Original Start Date: 18/01/2022 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 18/01/2022 Version End Date: -
-	1548m N	Status: Historical Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 1 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1244318.2 Max Daily Volume (m ³): 4363.64 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1548m N	Status: Historical Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 2 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1244318.2 Max Daily Volume (m ³): 4363.64 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1548m N	Status: Historical Licence No: 10/41/415303 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 1 Data Type: Point Name: Southern Water Services Plc Easting: 509210 Northing: 117000	Annual Volume (m ³): 1244318.20 Max Daily Volume (m ³): 4363.64 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 08/06/2009 Version End Date: -



ID	Location	Details	
-	1548m N	Status: Historical Licence No: 10/41/415303 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 2 Data Type: Point Name: Southern Water Services Plc Easting: 509210 Northing: 117000	Annual Volume (m ³): 1244318.20 Max Daily Volume (m ³): 4363.64 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 100 Version Start Date: 08/06/2009 Version End Date: -
-	1548m N	Status: Active Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 1 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1253584.32 Max Daily Volume (m ³): 4364.25 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1548m N	Status: Active Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 2 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1253584.32 Max Daily Volume (m ³): 4364.25 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1639m SE	Status: Active Licence No: 25/084 Details: Mineral Washing Direct Source: Southern Region Groundwater Point: POINT B, SANDGATE PIT, STORRINGTON Data Type: Point Name: Cemex UK Materials Ltd Easting: 510580 Northing: 114120	Annual Volume (m ³): 250000 Max Daily Volume (m ³): 910 Original Application No: NPS/WR/030715 Original Start Date: 21/05/1993 Expiry Date: - Issue No: 103 Version Start Date: 21/12/2018 Version End Date: -



ID	Location	Details	
-	1689m NE	Status: Historical Licence No: 25/097/R01 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: CHESSWOOD NURSERIES POINT B Data Type: Point Name: Thakeham Mushrooms Limited Easting: 510179 Northing: 116931	Annual Volume (m ³): 88650 Max Daily Volume (m ³): 330 Original Application No: - Original Start Date: 04/05/2016 Expiry Date: 31/03/2028 Issue No: 1 Version Start Date: 04/05/2016 Version End Date: -
-	1703m NE	Status: Historical Licence No: 10/41/415302 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: CHESSWOOD NURSERIES POINT 2 Data Type: Point Name: Heveco Mushrooms Ltd Easting: 510210 Northing: 116930	Annual Volume (m ³): 88650 Max Daily Volume (m ³): 330 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 01/04/2001 Version End Date: -
-	1703m NE	Status: Historical Licence No: 25/097 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: CHESSWOOD NURSERIES POINT B Data Type: Point Name: Thakeham Mushrooms Limited Easting: 510210 Northing: 116930	Annual Volume (m ³): 88650 Max Daily Volume (m ³): 330 Original Application No: - Original Start Date: 06/10/2008 Expiry Date: 31/03/2016 Issue No: 2 Version Start Date: 06/06/2013 Version End Date: -
-	1812m N	Status: Active Licence No: SO/041/0025/018 Details: General Use Relating To Secondary Category (High Loss) Direct Source: Southern Region Groundwater Point: BOREHOLE AT CASTLE PROPERTIES SMOCK ALLEY Data Type: Point Name: Castle Properties (Southern) Limited Easting: 509173 Northing: 117262	Annual Volume (m ³): 7856 Max Daily Volume (m ³): 23 Original Application No: NPS/WR/038719 Original Start Date: 13/03/2024 Expiry Date: 31/03/2040 Issue No: 1 Version Start Date: 13/03/2024 Version End Date: -
-	1812m N	Status: Active Licence No: SO/041/0025/018 Details: Raw Water Supply Direct Source: Southern Region Groundwater Point: BOREHOLE AT CASTLE PROPERTIES SMOCK ALLEY Data Type: Point Name: Castle Properties (Southern) Limited Easting: 509173 Northing: 117262	Annual Volume (m ³): 7856 Max Daily Volume (m ³): 23 Original Application No: NPS/WR/038719 Original Start Date: 13/03/2024 Expiry Date: 31/03/2040 Issue No: 1 Version Start Date: 13/03/2024 Version End Date: -



ID	Location	Details	
-	1893m NE	Status: Historical Licence No: 10/41/415302 Details: Horticultural Watering Direct Source: Southern Region Groundwater Point: CHESSWOOD NURSERIES POINT 1 Data Type: Point Name: Heveco Mushrooms Ltd Easting: 510350 Northing: 117070	Annual Volume (m ³): 88650 Max Daily Volume (m ³): 330 Original Application No: - Original Start Date: - Expiry Date: - Issue No: 101 Version Start Date: 01/04/2001 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m	0
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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	8
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Licensed potable water abstractions for sites extracting more than 20 cubic metres of water a day and includes active and historical records. The data may be for a single abstraction point, a stretch of watercourse or a larger area.

Features are displayed on the Abstractions and Source Protection Zones map on [page 45 >](#)

ID	Location	Details	
A	93m S	Status: Active Licence No: SO/041/0025/012 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE B DOWNSVIEW AVENUE Data Type: Point Name: Croudace Homes Limited Easting: 509405 Northing: 115203	Annual Volume (m ³): 11805 Max Daily Volume (m ³): 33 Original Application No: NPS/WR/036778 Original Start Date: 21/09/2023 Expiry Date: 31/03/2040 Issue No: 1 Version Start Date: 21/09/2023 Version End Date: -



ID	Location	Details	
B	108m E	Status: Active Licence No: SO/041/0025/012 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE A DOWNSVIEW AVENUE Data Type: Point Name: Croudace Homes Limited Easting: 509386 Northing: 115156	Annual Volume (m ³): 11805 Max Daily Volume (m ³): 33 Original Application No: NPS/WR/036778 Original Start Date: 21/09/2023 Expiry Date: 31/03/2040 Issue No: 1 Version Start Date: 21/09/2023 Version End Date: -
-	1270m W	Status: Historical Licence No: SO/041/0025/017 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE A AT GREENACRES, HURSTON LANE, STORRINGTON Data Type: Point Name: Simon Patience (New Homes) LTD Easting: 507831 Northing: 114931	Annual Volume (m ³): 5866 Max Daily Volume (m ³): 26 Original Application No: NPS/WR/038562 Original Start Date: 26/09/2023 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 26/09/2023 Version End Date: -
-	1312m W	Status: Historical Licence No: SO/041/0025/017 Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Commercial/Industrial/Public Services Direct Source: Southern Region Groundwater Point: BOREHOLE B AT GREENACRES, HURSTON LANE, STORRINGTON Data Type: Point Name: Simon Patience (New Homes) LTD Easting: 507786 Northing: 114943	Annual Volume (m ³): 5866 Max Daily Volume (m ³): 26 Original Application No: NPS/WR/038562 Original Start Date: 26/09/2023 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 26/09/2023 Version End Date: -
-	1548m N	Status: Historical Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 1 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1244318.2 Max Daily Volume (m ³): 4363.64 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -



ID	Location	Details	
-	1548m N	Status: Historical Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 2 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1244318.2 Max Daily Volume (m ³): 4363.64 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1548m N	Status: Active Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 1 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1253584.32 Max Daily Volume (m ³): 4364.25 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -
-	1548m N	Status: Active Licence No: 10/41/415303 Details: Potable Water Supply - Direct Direct Source: Southern Region Groundwater Point: SMOCK ALLEY AT WEST CHILTINGTON BOREHOLE 2 Data Type: Point Name: Southern Water Services Ltd Easting: 509210 Northing: 117000	Annual Volume (m ³): 1253584.32 Max Daily Volume (m ³): 4364.25 Original Application No: WR.0578C Original Start Date: 11/10/1966 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	0
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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

17

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 55 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	37m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
B	47m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	48m N	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	48m N	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
A	52m NE	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
A	59m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	80m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
C	88m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	114m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	155m NW	Lake, loch or reservoir.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	173m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
F	193m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	195m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	197m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-



ID	Location	Type of water feature	Ground level	Permanence	Name
5	224m SE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
G	227m NW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	237m SE	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

8

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 55 >](#)

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 55 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River	Stor	GB107041012100	Arun Lower	Arun and Western Streams

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 55 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1436m W	River	Stor	GB107041012100 ↗	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 55 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
2	On site	Lower Greensand Arun & Western Streams	GB40701G503100 ↗	Poor	Poor	Good	2019

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



7 River and coastal flooding



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

7.1 Risk of flooding from rivers and the sea

Records within 50m

3

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

Features are displayed on the River and coastal flooding map on [page 59 >](#)



Distance	Flood risk category
On site	N/A
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	0
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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
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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
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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
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Areas that act as a balancing reservoir, storage basin or balancing pond to attenuate an incoming flood peak to a flow level that can be accepted by the downstream channel or to delay the timing of a flood peak so that its volume is discharged over a longer period.

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



River and coastal flooding - Flood Zones



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

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on [page 59](#) >

Location	Type
12m NW	Zone 2 - (Fluvial /Tidal Models)

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

7.7 Flood Zone 3

Records within 50m

1

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

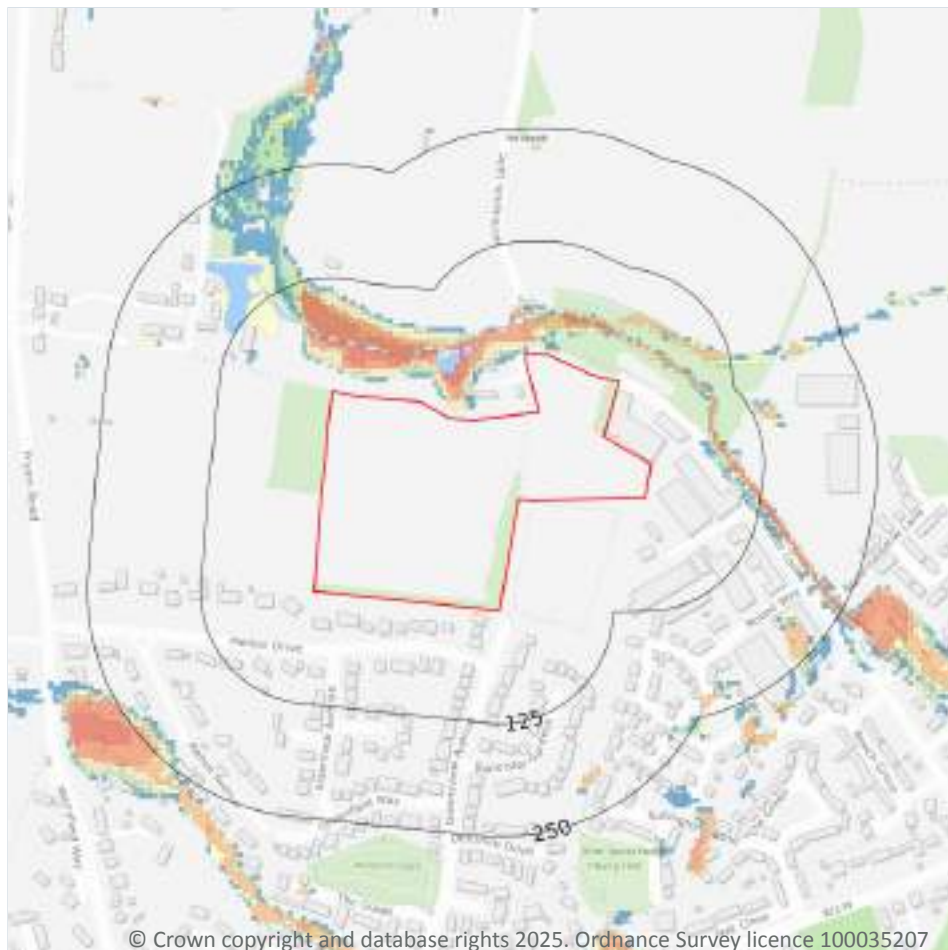
Features are displayed on the River and coastal flooding map on [page 59](#) >

Location	Type
15m N	Zone 3 - (Fluvial /Tidal Models)

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 1000 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

Features are displayed on the Surface water flooding map on [page 63](#) >

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.

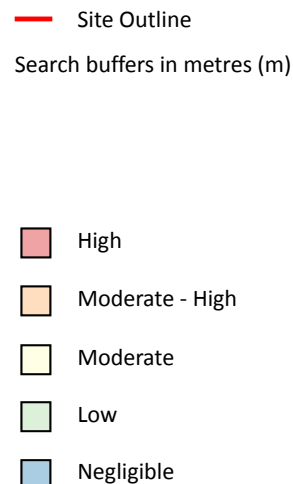
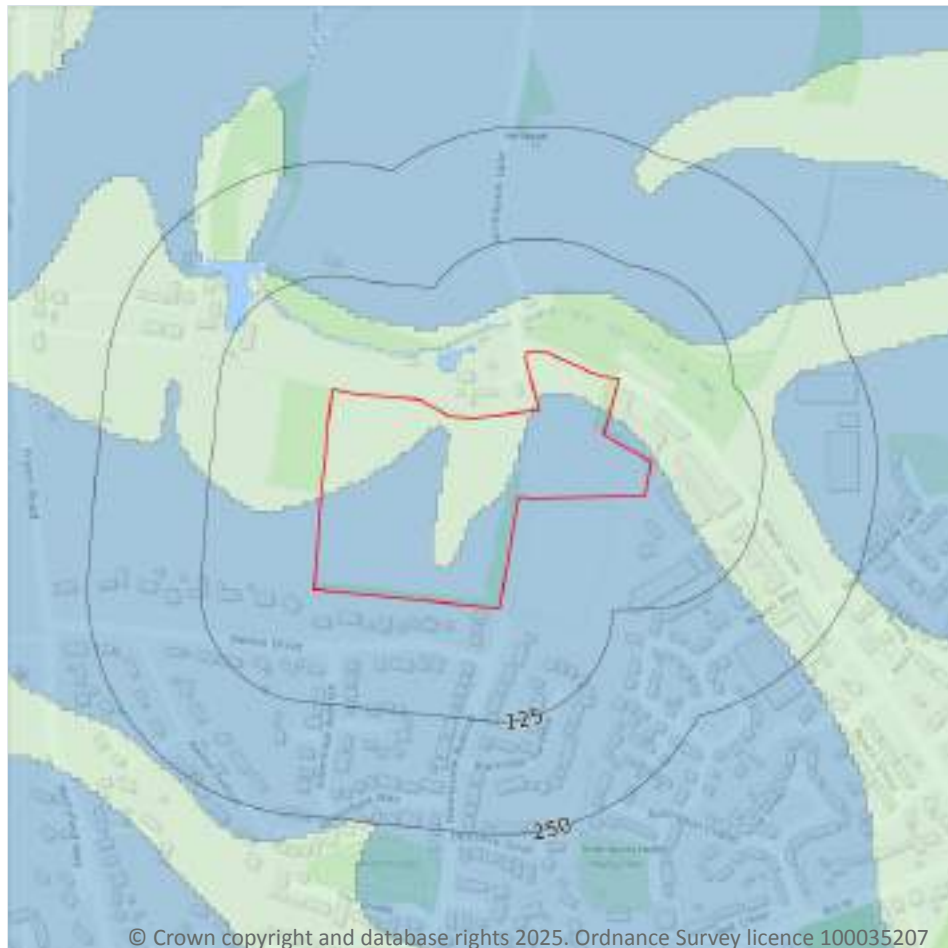
The table below shows the maximum flood depths for a range of return periods for the site.

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

Low

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

Features are displayed on the Groundwater flooding map on [page 65 >](#)

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

3

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 66](#) >

ID	Location	Name	Data source
3	480m SE	Sullington Warren SSSI	Natural England



ID	Location	Name	Data source
6	1179m S	Chantry Mill SSSI	Natural England
-	1757m NW	Hurston Warren SSSI	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

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

0

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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



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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

11

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 66 >](#)

ID	Location	Name	Woodland Type
1	49m N	Unknown	Ancient & Semi-Natural Woodland
2	181m NW	Unknown	Ancient & Semi-Natural Woodland
A	500m N	Unknown	Ancient & Semi-Natural Woodland
A	566m N	Unknown	Ancient & Semi-Natural Woodland
4	854m NW	Furze Field	Ancient & Semi-Natural Woodland
5	968m W	Unknown	Ancient & Semi-Natural Woodland
-	1393m W	Unknown	Ancient & Semi-Natural Woodland
-	1516m S	Unknown	Ancient & Semi-Natural Woodland
-	1652m SE	Unknown	Ancient & Semi-Natural Woodland
-	1653m S	Unknown	Ancient & Semi-Natural Woodland
-	1775m E	Unknown	Ancient & Semi-Natural Woodland

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



10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.



10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

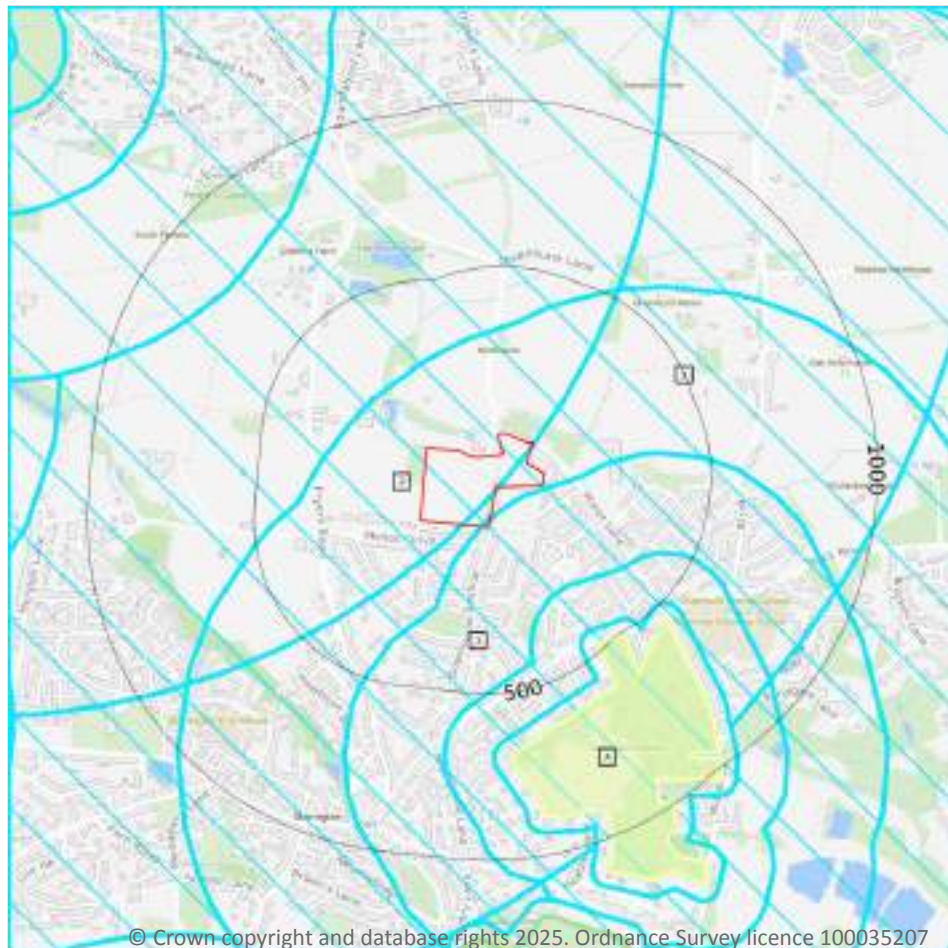
Records within 2000m**0**

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.

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

3

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

Features are displayed on the SSSI Impact Zones and Units map on [page 71](#) >

ID	Location	Type of developments requiring consultation
1	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0111304211140&notes=11301&location=509068,114662%20(IRZ%20polygon%20centre)
2	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0121305322242&notes=11301&location=509021,115328%20(IRZ%20polygon%20centre)



ID	Location	Type of developments requiring consultation
3	On site	https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0321000322240&notes=11301&location=508820,114815%20(IRZ%20polygon%20centre)

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	4
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Divisions of SSSIs used to record management and condition details. Units are the smallest areas for which Natural England gives a condition assessment, however, the size of units varies greatly depending on the types of management and the conservation interest.

Features are displayed on the SSSI Impact Zones and Units map on [page 71 >](#)

ID: A
 Location: 480m SE
 SSSI name: Sullington Warren
 Unit name: 1
 Broad habitat: Dwarf Shrub Heath - Lowland
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Assemblages of breeding birds - Mixed: Scrub, Woodland	Unfavourable - Recovering	29/07/2009
Lowland dry heath	Unfavourable - Recovering	03/03/2022

ID: B
 Location: 1179m S
 SSSI name: Chantry Mill
 Unit name: 1
 Broad habitat: Earth Heritage
 Condition: Favourable
 Reportable features:

Feature name	Feature condition	Date of assessment
EA - Aptian - Albion	Favourable	16/11/2021



ID: -
Location: 1757m NW
SSSI name: Hurston Warren
Unit name: Hurston Warren
Broad habitat: Dwarf Shrub Heath - Lowland
Condition: Unfavourable - Recovering
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland dry heath	Not Recorded	01/01/1900
Lowland wet heath	Not Recorded	01/01/1900
Raised bog (lowland)	Not Recorded	01/01/1900

ID: -
Location: 1953m NW
SSSI name: Hurston Warren
Unit name: Monkmead Wood
Broad habitat: Dwarf Shrub Heath - Lowland
Condition: Favourable
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland wet heath	Favourable	12/03/2013

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

3

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

Features are displayed on the Visual and cultural designations map on [page 74 >](#)

ID	Location	Name	Grade	Reference Number	Listed date
1	26m N	East Wantley Barn	II	1471834	03/03/2021
2	45m N	East Wantley	II	1285180	15/03/1955
3	108m NW	West Wantley Farmhouse	II*	1027238	15/03/1955

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



11.5 Conservation Areas

Records within 250m**0**

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

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

11.6 Scheduled Ancient Monuments

Records within 250m**0**

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

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

11.7 Registered Parks and Gardens

Records within 250m**0**

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

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



12 Agricultural designations



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

12.1 Agricultural Land Classification

Records within 250m

4

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

Features are displayed on the Agricultural designations map on [page 77](#) >

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

ID	Location	Classification	Description
2	On site	Grade 4	Poor quality agricultural land. Land with severe limitations which significantly restrict the range of crops and/or level of yields. It is mainly suited to grass with occasional arable crops (e.g. cereals and forage crops) the yields of which are variable. In moist climates, yields of grass may be moderate to high but there may be difficulties in utilisation. The grade also includes very droughty arable land.
3	73m NE	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.
4	155m SE	Non Agricultural	Non-agricultural/no quality assigned

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

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



13 Habitat designations



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- 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

9

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 80](#) >

ID	Location	Main Habitat	Other habitats
A	4m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
1	4m NE	No main habitat but additional habitats present	Main habitat: DWOOD (INV > 50%)
A	21m N	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset
2	49m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
3	54m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	168m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
5	196m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	231m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	246m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



- Site Outline**
- Search buffers in metres (m)
- Full coverage
 - Partial coverage
 - No coverage

14.1 10k Availability

Records within 500m

2

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.

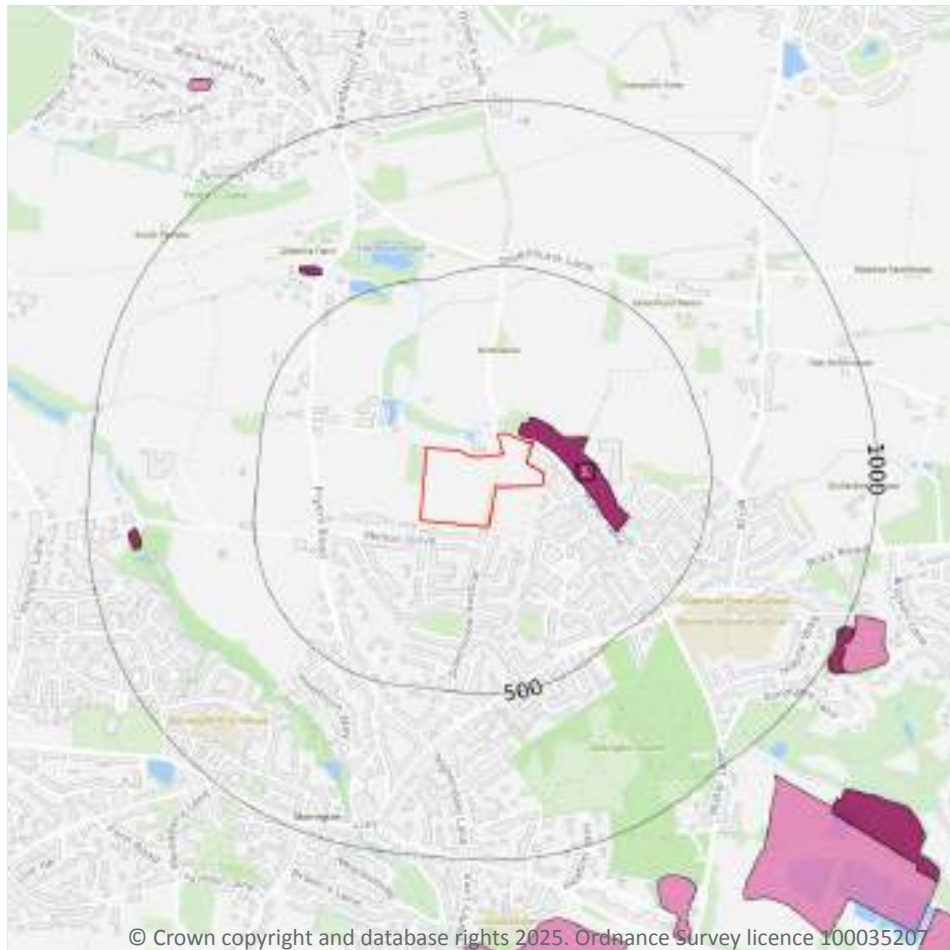
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 82](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	TQ01NE
2	173m S	Full	Full	Full	Full	TQ01SE

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

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14.2 Artificial and made ground (10k)

Records within 500m

1

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.

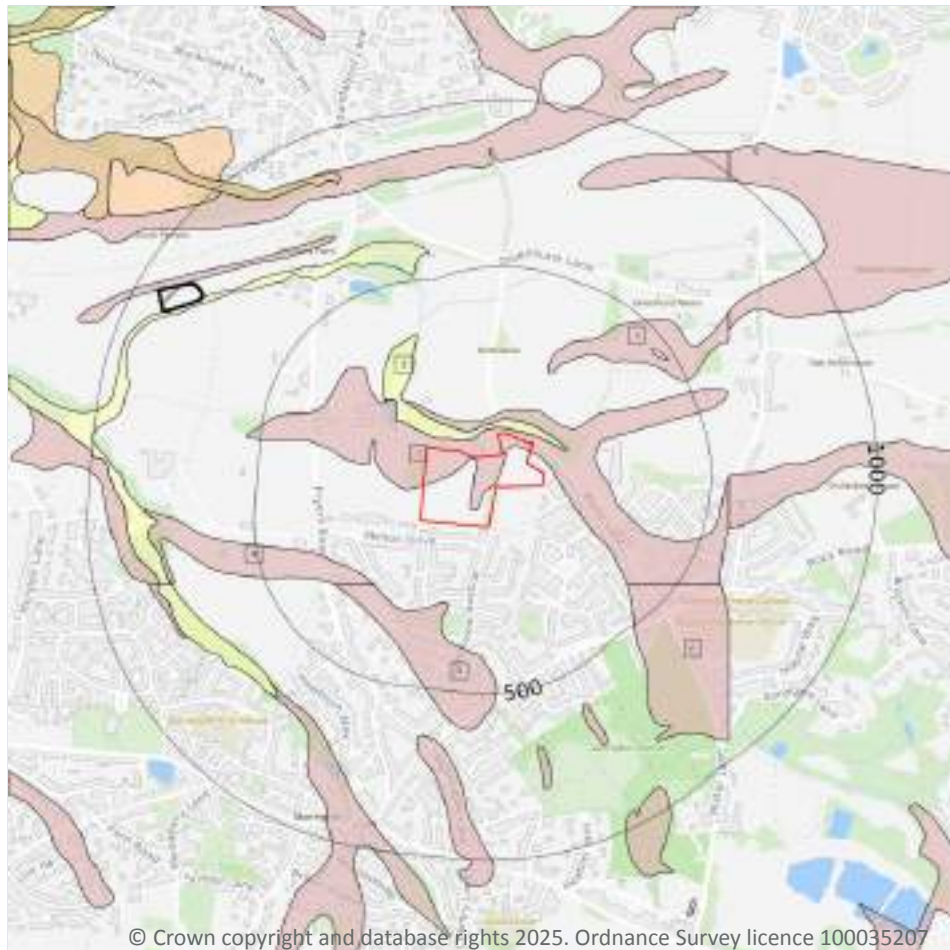
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 83](#) >

ID	Location	LEX Code	Description	Rock description
1	10m N	MGR-UNKNOWN	Made Ground (Undivided)	Unknown/unclassified Entry

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

6

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 84](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-DMTN	Head - Diamicton	Diamicton
2	15m N	ALV-XSC	Alluvium - Sand And Clay	Sand And Clay
3	217m N	HEAD-DMTN	Head - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
4	237m SW	HEAD-DMTN	Head - Diamicton	Diamicton
5	238m S	HEAD-DMTN	Head - Diamicton	Diamicton
6	391m SE	HEAD-DMTN	Head - Diamicton	Diamicton

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

8

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 86](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	HY-SDST	Hythe Formation - Sandstone	Aptian Age
2	On site	FIB-SDST	Fittleworth Member - Sandstone	Aptian Age
3	83m N	WC-CLAY	Weald Clay Formation - Clay	Barremian Age - Hauterivian Age
4	173m S	FIB-SDST	Fittleworth Member - Sandstone	Aptian Age



ID	Location	LEX Code	Description	Rock age
5	193m S	HY-SDST	Hythe Formation - Sandstone	Aptian Age
6	217m N	AC-MDST	Atherfield Clay Formation - Mudstone	Aptian Age
7	399m SE	MHC-MDST	Marehill Clay Member - Mudstone	Aptian Age
8	431m SE	FO-SDST	Folkestone Formation - Sandstone	Albian Age - Aptian Age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



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

15.1 50k Availability

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 88](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW317_332_chichester_and_bognor_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

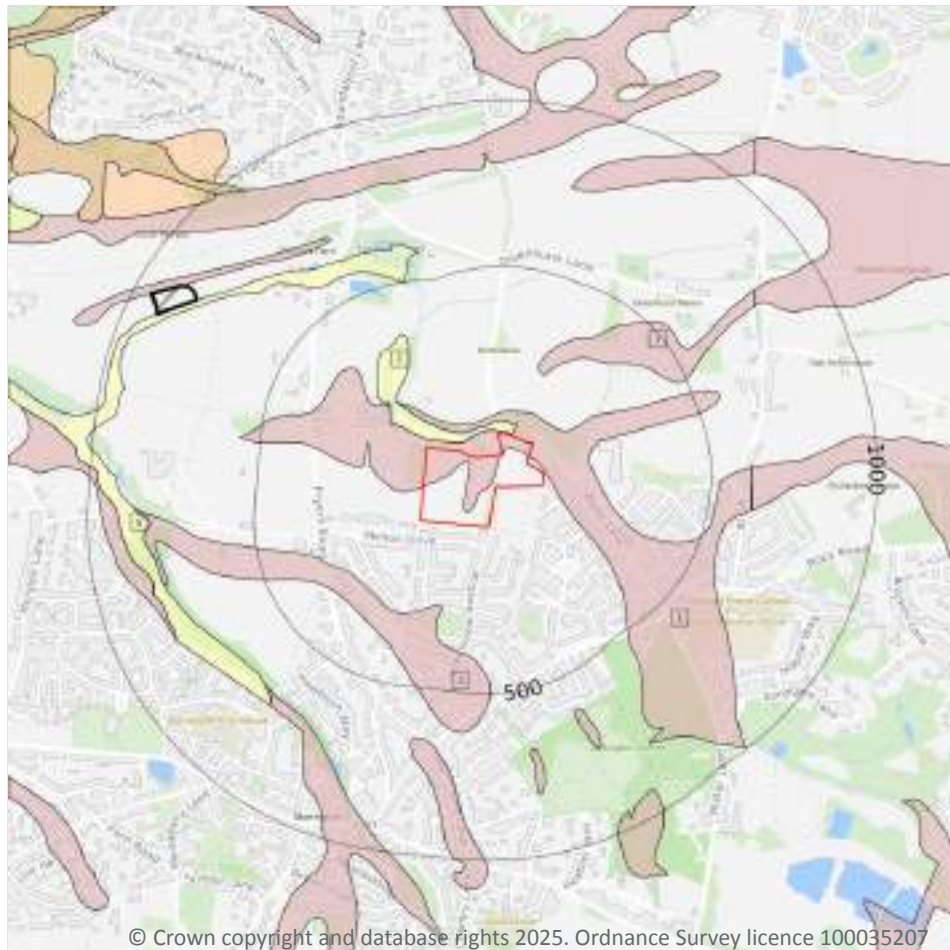
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

5

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 90](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
2	4m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	205m NE	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL



ID	Location	LEX Code	Description	Rock description
4	246m S	HEAD-XCZSV	HEAD	CLAY, SILT, SAND AND GRAVEL
5	499m N	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

2

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	High	Very Low
4m N	Intergranular	High	Very Low

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

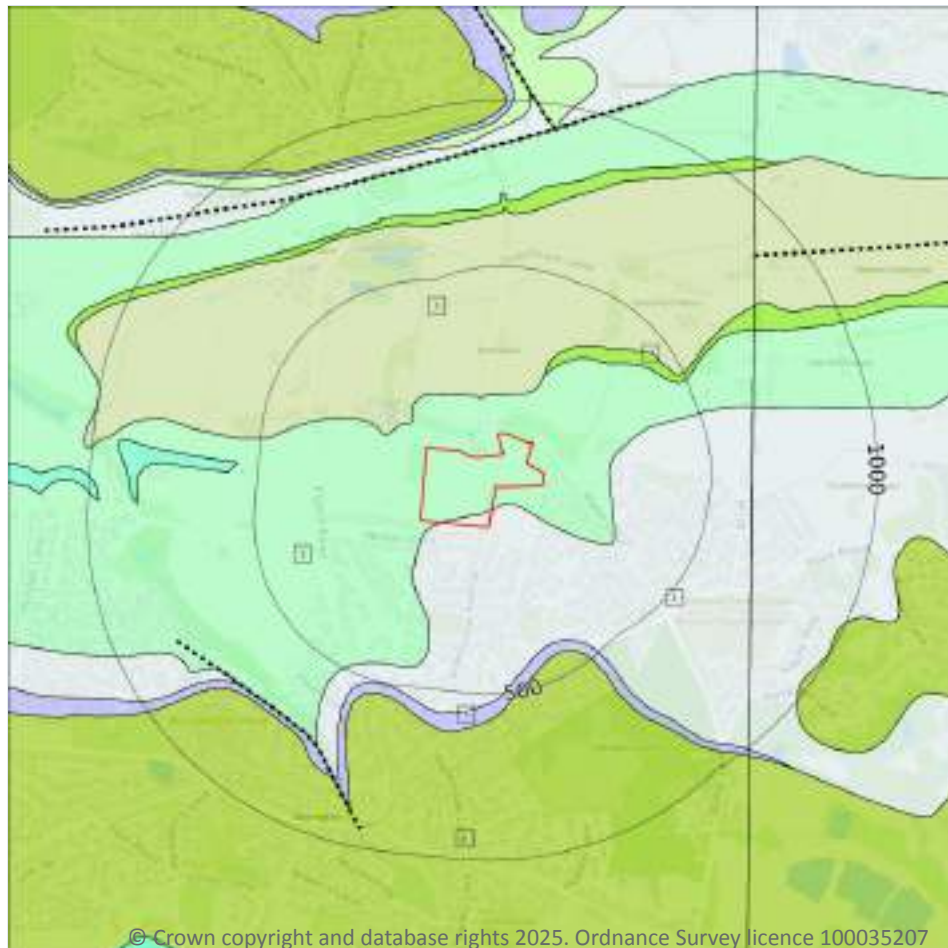
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

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15.8 Bedrock geology (50k)

Records within 500m

6

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 92 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	FIB-STMD	FITTLEWORTH MEMBER - SANDSTONE AND MUDSTONE	APTIAN
2	On site	HY-SDST	HYTHE FORMATION - SANDSTONE	APTIAN
3	86m NW	WC-MDST	WEALD CLAY FORMATION - MUDSTONE	HAUTERIVIAN
4	205m NE	AC-MDST	ATHERFIELD CLAY FORMATION - MUDSTONE	APTIAN



ID	Location	LEX Code	Description	Rock age
5	397m SE	MHC-MDST	MAREHILL CLAY MEMBER - MUDSTONE	APTIAN
6	430m SE	FO-SDST	FOLKESTONE FORMATION - SANDSTONE	APTIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

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

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

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

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 94](#) >

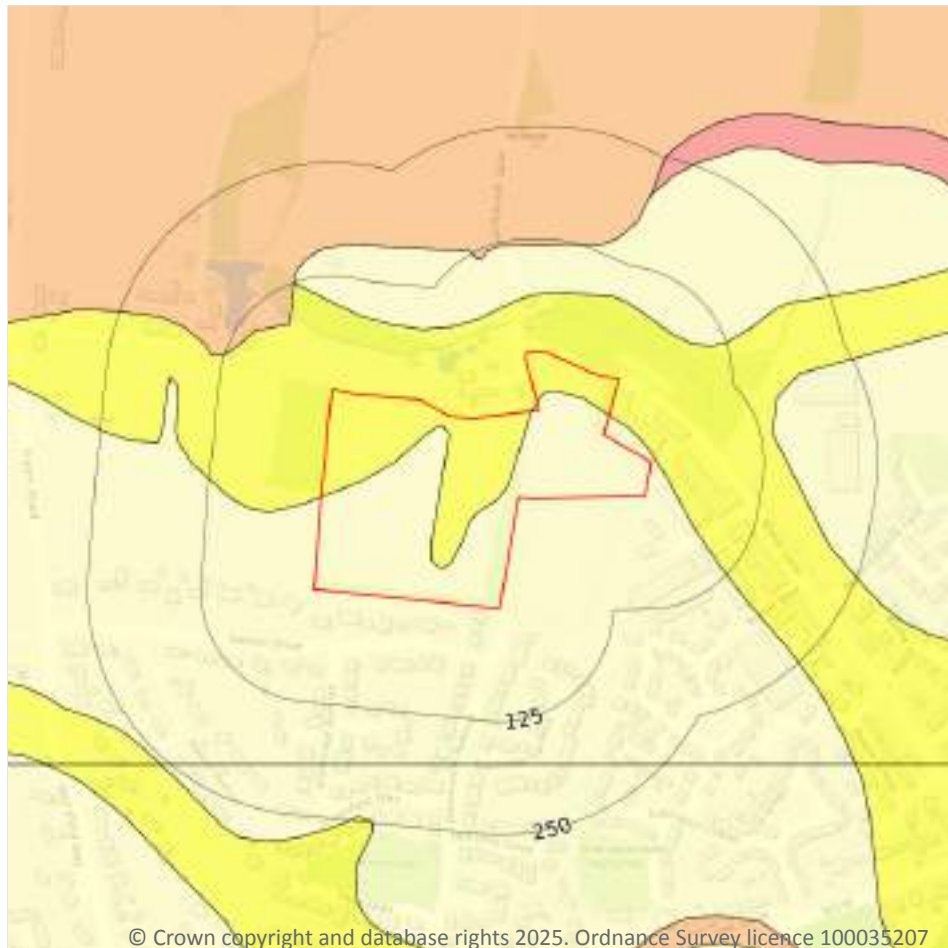
ID	Location	Grid reference	Name	Length	Confidential	Web link
1	93m S	509405 115203	LAND NORTH OF DOWNSVIEW AVENUE STORRINGTON 2	41.0	N	21329120 ↗
2	108m E	509386 115156	LAND NORTH OF DOWNSVIEW AVENUE STORRINGTON 1	41.0	N	21329119 ↗



This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



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

17.1 Shrink swell clays

Records within 50m

2

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

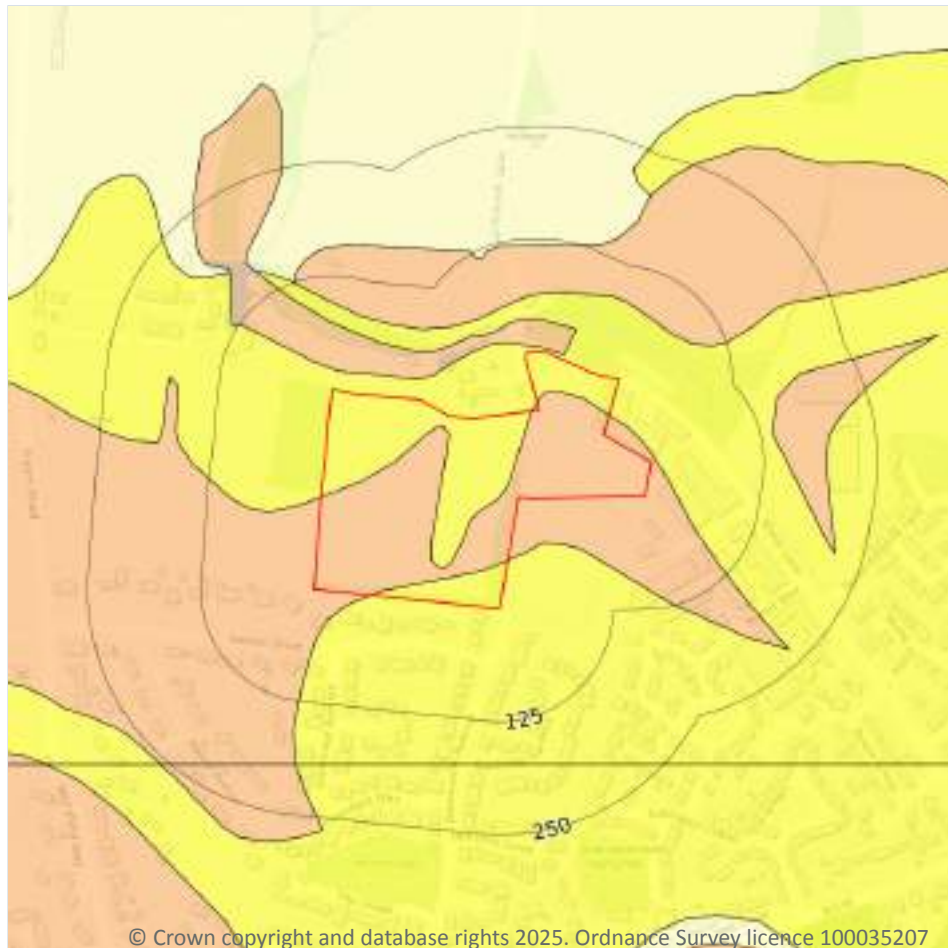
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 96](#) >

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

3

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

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

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.

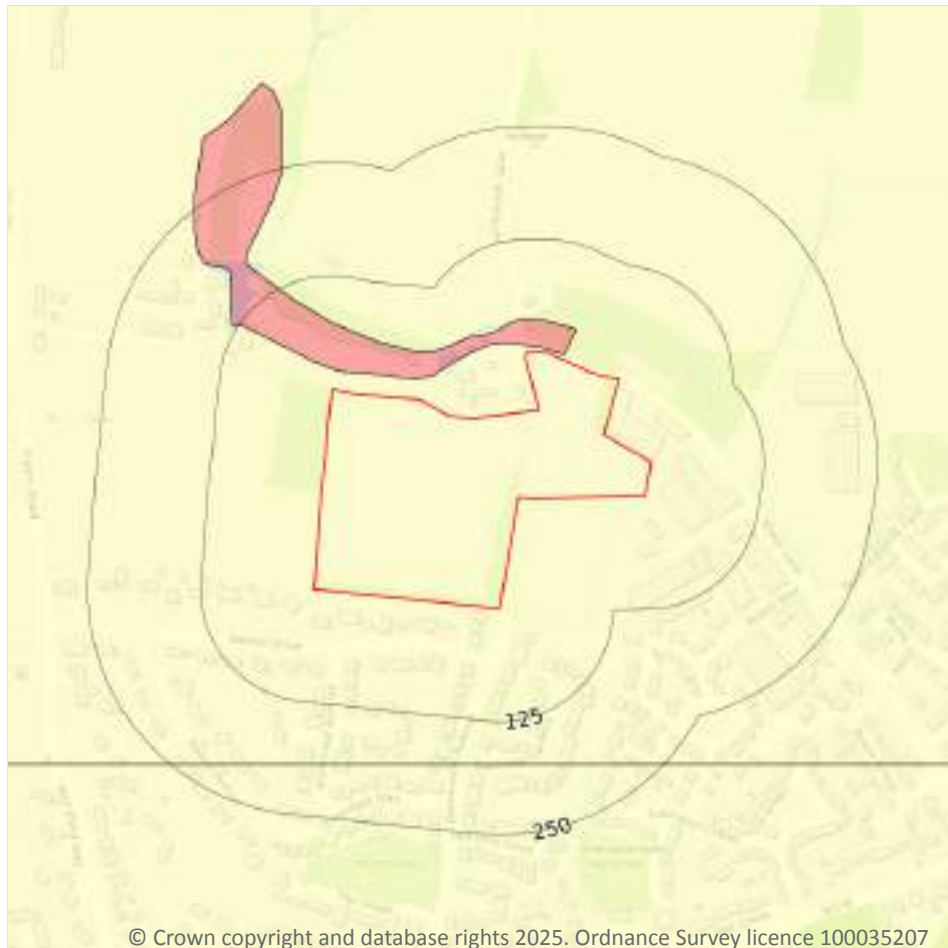


Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.
4m N	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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

17.3 Compressible deposits

Records within 50m

2

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

Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 99 >](#)

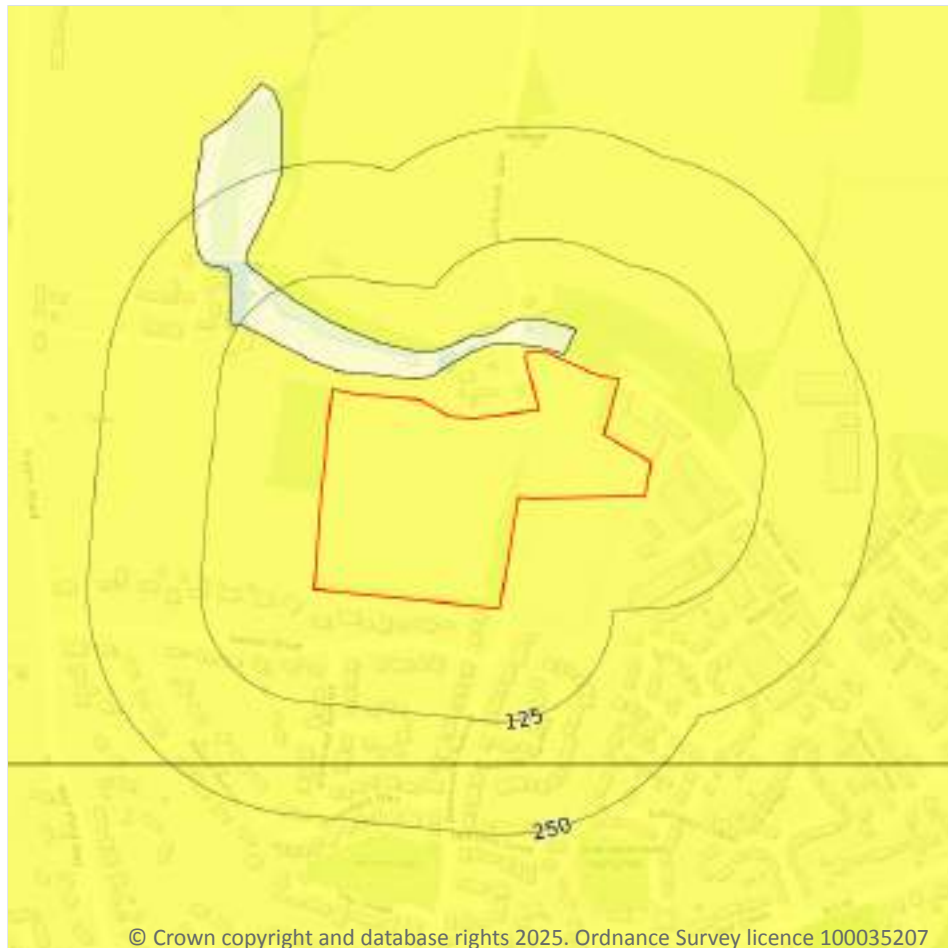
Location	Hazard rating	Details
On site	Negligible	Compressible strata are not thought to occur.
4m N	Moderate	Compressibility and uneven settlement hazards are probably present. Land use should consider specifically the compressibility and variability of the site.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

2

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

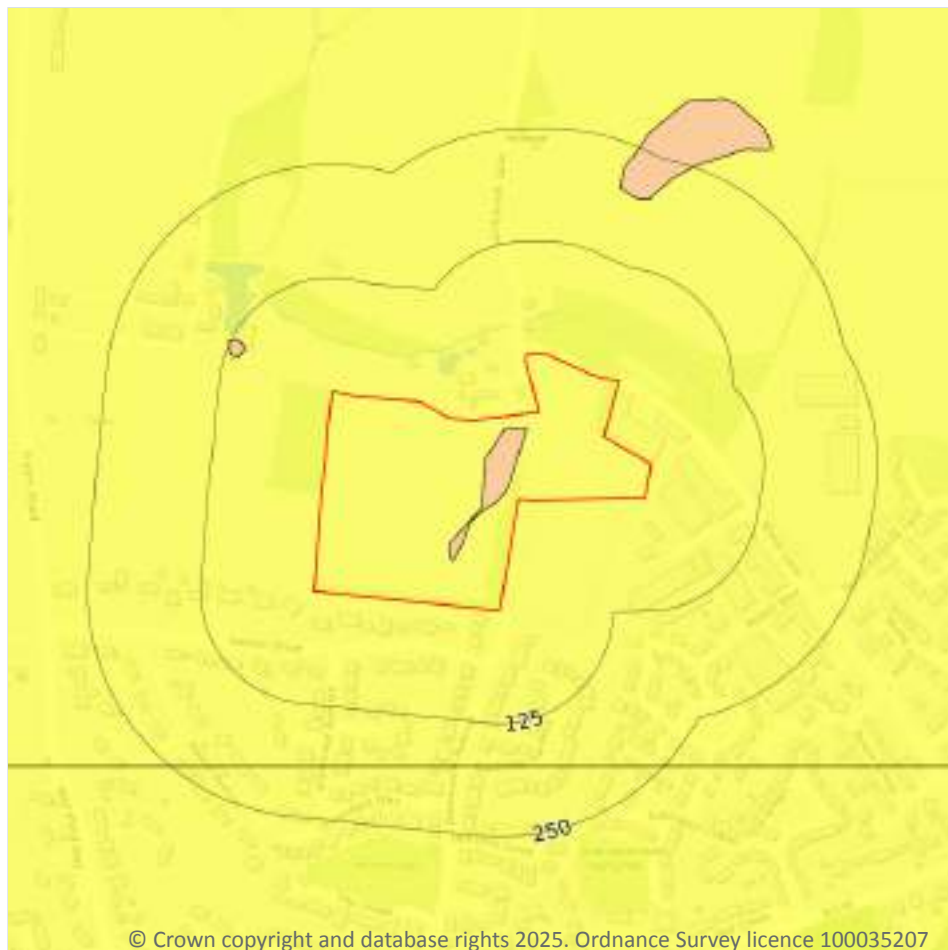
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 101 >](#)

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.
4m N	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



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

17.5 Landslides

Records within 50m

2

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 102 >](#)

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.



Location	Hazard rating	Details
On site	Low	Slope instability problems may be present or anticipated. Site investigation should consider specifically the slope stability of the site.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



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

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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 104](#) >

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



This data is sourced from the British Geological Survey.



18 Mining and ground workings



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

18.1 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

8

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 106 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
2	73m N	Cuttings	1957	1:10560
3	74m NE	Refuse Heap	1976	1:10000
A	118m NW	Pond	1957	1:10560
A	120m NW	Pond	1976	1:10000
A	121m NW	Pond	1876	1:10560
A	121m NW	Pond	1896	1:10560
A	124m NW	Pond	1909	1:10560
A	124m NW	Pond	1938	1:10560

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.

18.4 Underground mining extents

Records within 500m

0

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

This data is sourced from Groundsure.



18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m

6

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

Features are displayed on the Mining and ground workings map on [page 106 >](#)

ID	Location	Name	Commodity	Class	Likelihood
1	On site	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
4	86m NW	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
5	173m S	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
6	554m E	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.
8	634m SE	Not available	Sand	A	Underground mine workings are uncommon, although the geology is similar to that worked elsewhere. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.



ID	Location	Name	Commodity	Class	Likelihood
9	692m NE	Not available	Iron Ore	B	Underground mine workings may have occurred in the past or current mines may be working at significant depth to modern engineering standards. Potential for difficult ground conditions are unlikely and are at a level where they need not be considered.

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

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

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

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

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

This data is sourced from The Coal Authority.

18.9 Researched mining

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

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

This data is sourced from Groundsure.



18.10 Mining record office plans

Records within 500m**0**

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m**0**

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site**0**

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

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site**0**

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

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

18.14 Gypsum areas

Records on site**0**

Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.



18.15 Tin mining

Records on site	0
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Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

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

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

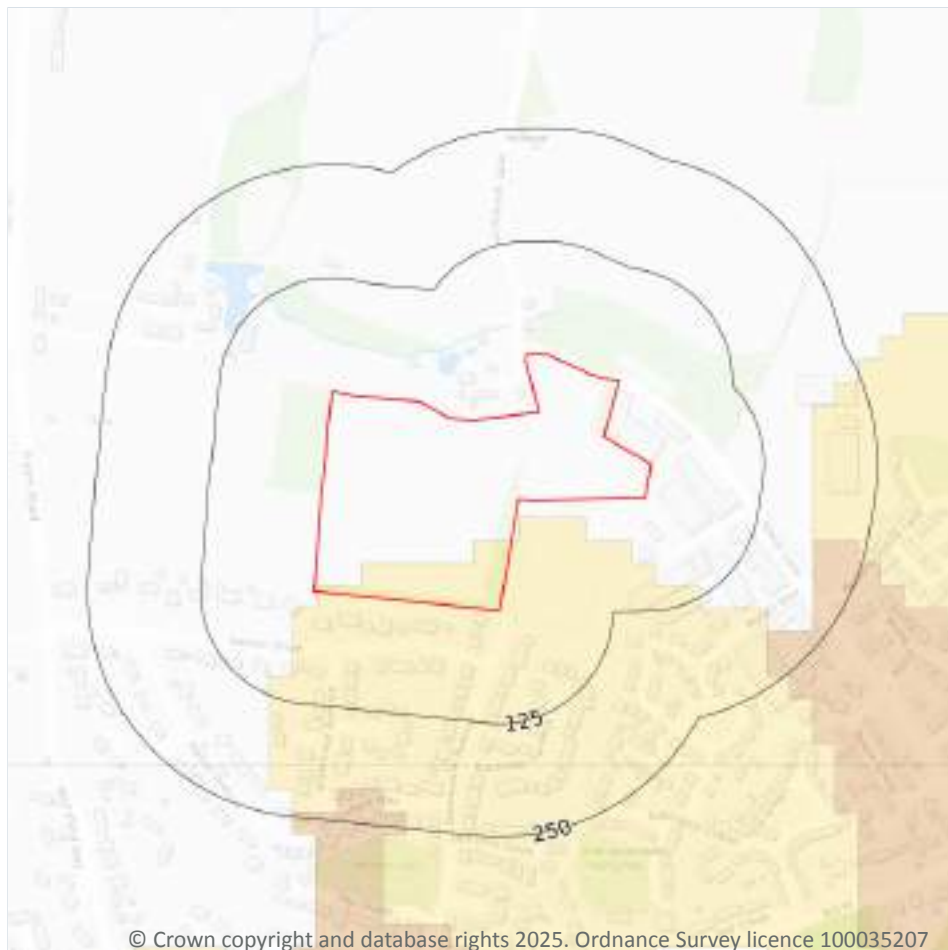
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



- Site Outline**
- Search buffers in metres (m)**
- Greater than 30%
 - Between 10% and 30%
 - Between 5% and 10%
 - Between 3% and 5%
 - Between 1% and 3%
 - Less than 1%

20.1 Radon

Records on site

2

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 114](#) >

Location	Estimated properties affected	Radon Protection Measures required
On site	Between 1% and 3%	None



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

5

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
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
4m N	15 - 25 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
44m N	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

0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects

22.1 Underground railways (London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m**0**

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m**0**

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m**0**

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

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m**0**

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



This data is sourced from Groundsure/the Postal Museum.

22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

0

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

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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Site Details:

NORTHLANDS LANS,
STORRINGTON, WEST SUSSEX,
RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

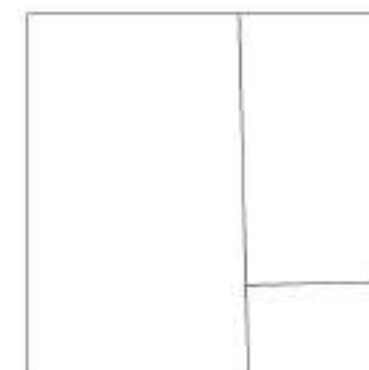
Map date: 1875

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1875
Revised 1875
Edition N/A
Copyright N/A
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Surveyed 1875
Revised 1875
Edition N/A
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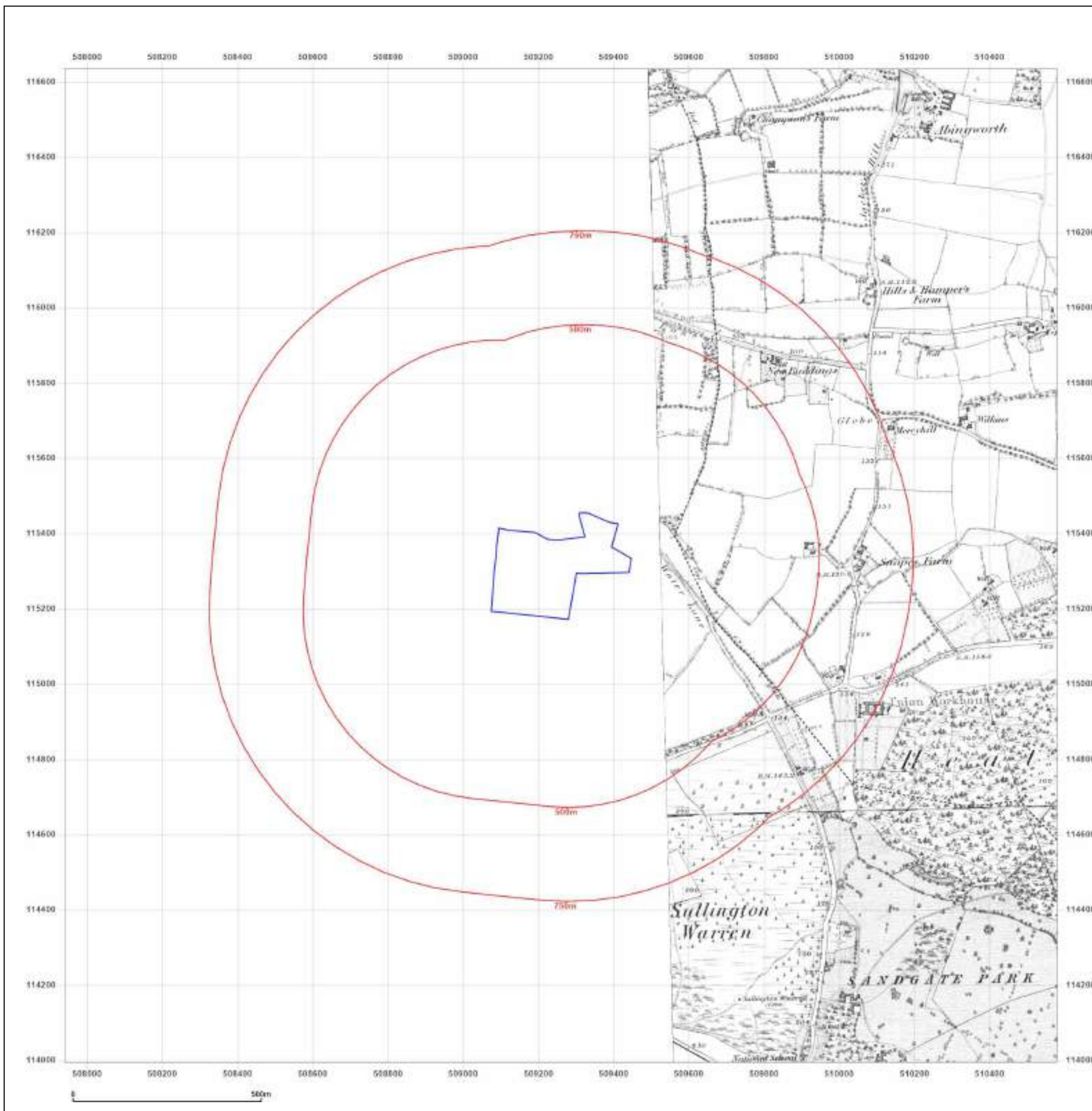


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Site Details:

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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

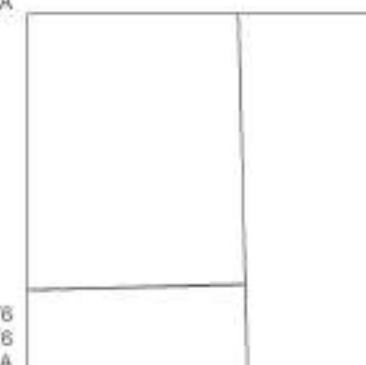
Map date: 1876

Scale: 1:10,560

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Edition N/A
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Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

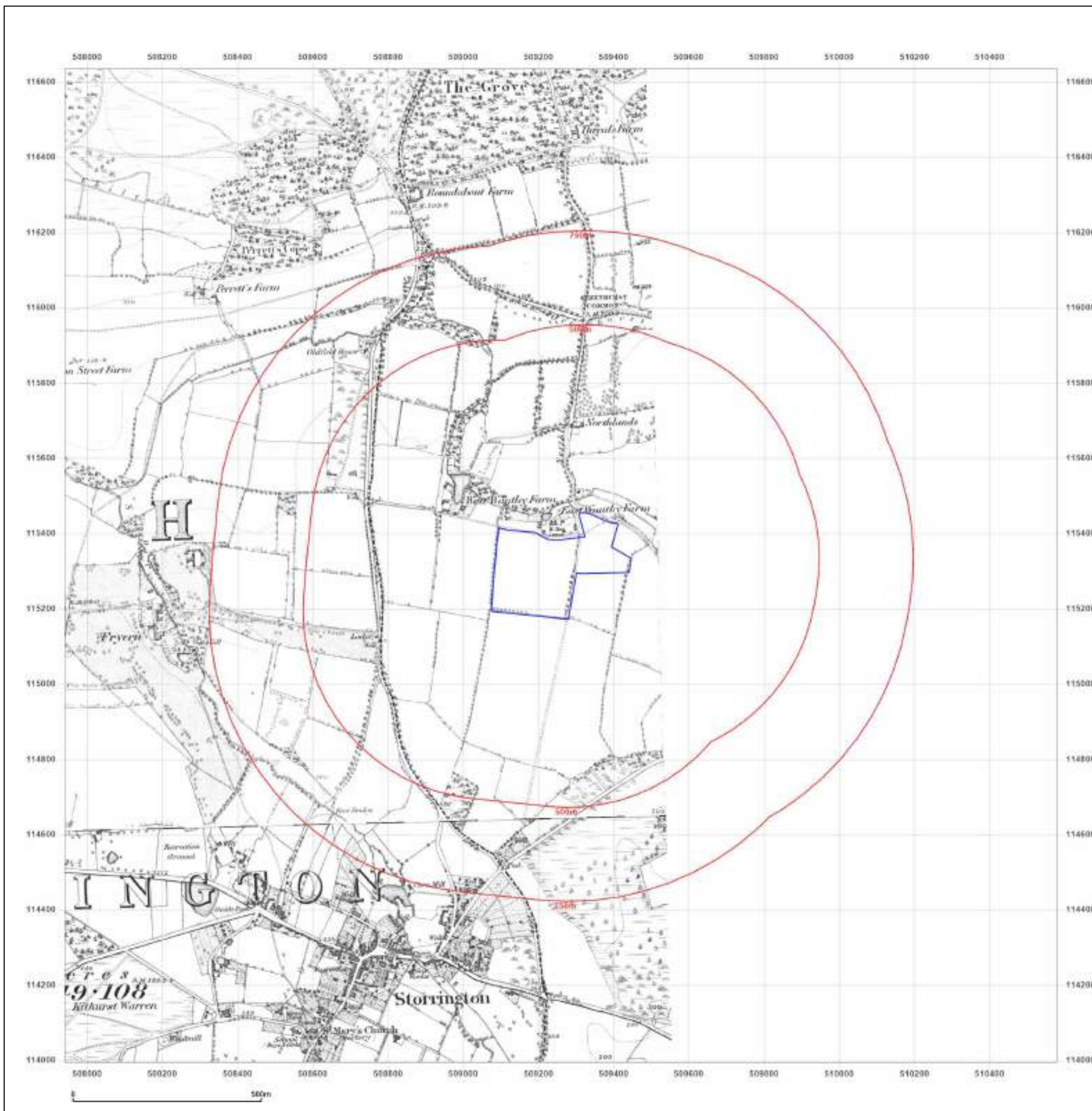


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

Map date: 1896

Scale: 1:10,560

Printed at: 1:10,560



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Surveyed 1876
Revised 1896
Edition N/A
Copyright N/A
Levelled N/A

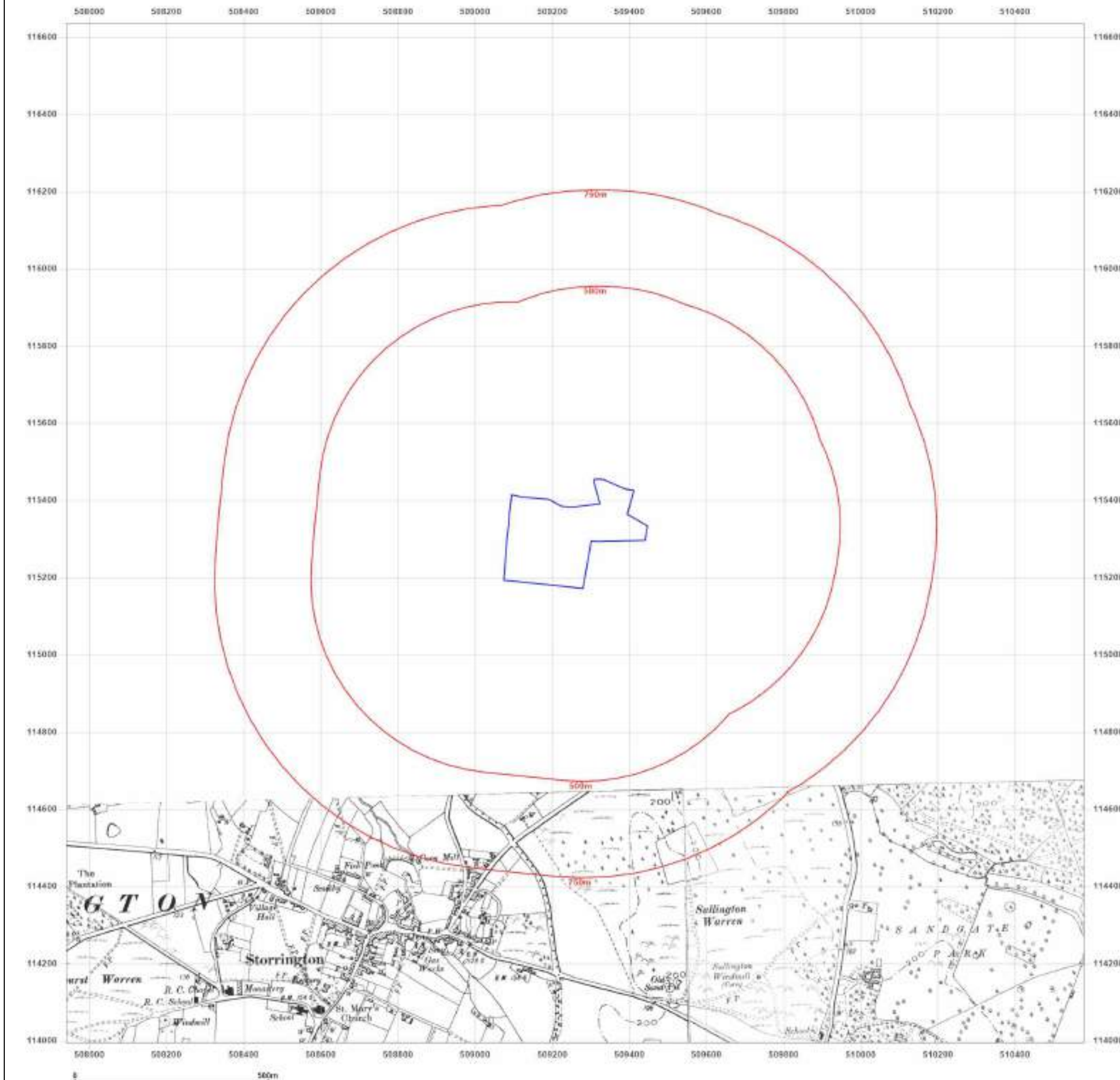


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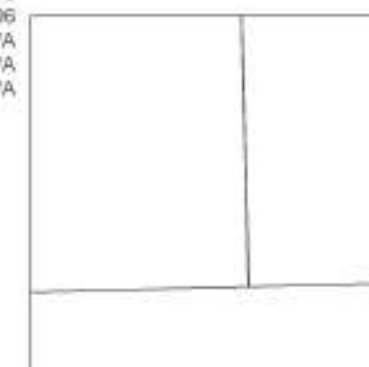
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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

Map date: 1909-1914

Scale: 1:10,560

Printed at: 1:10,560



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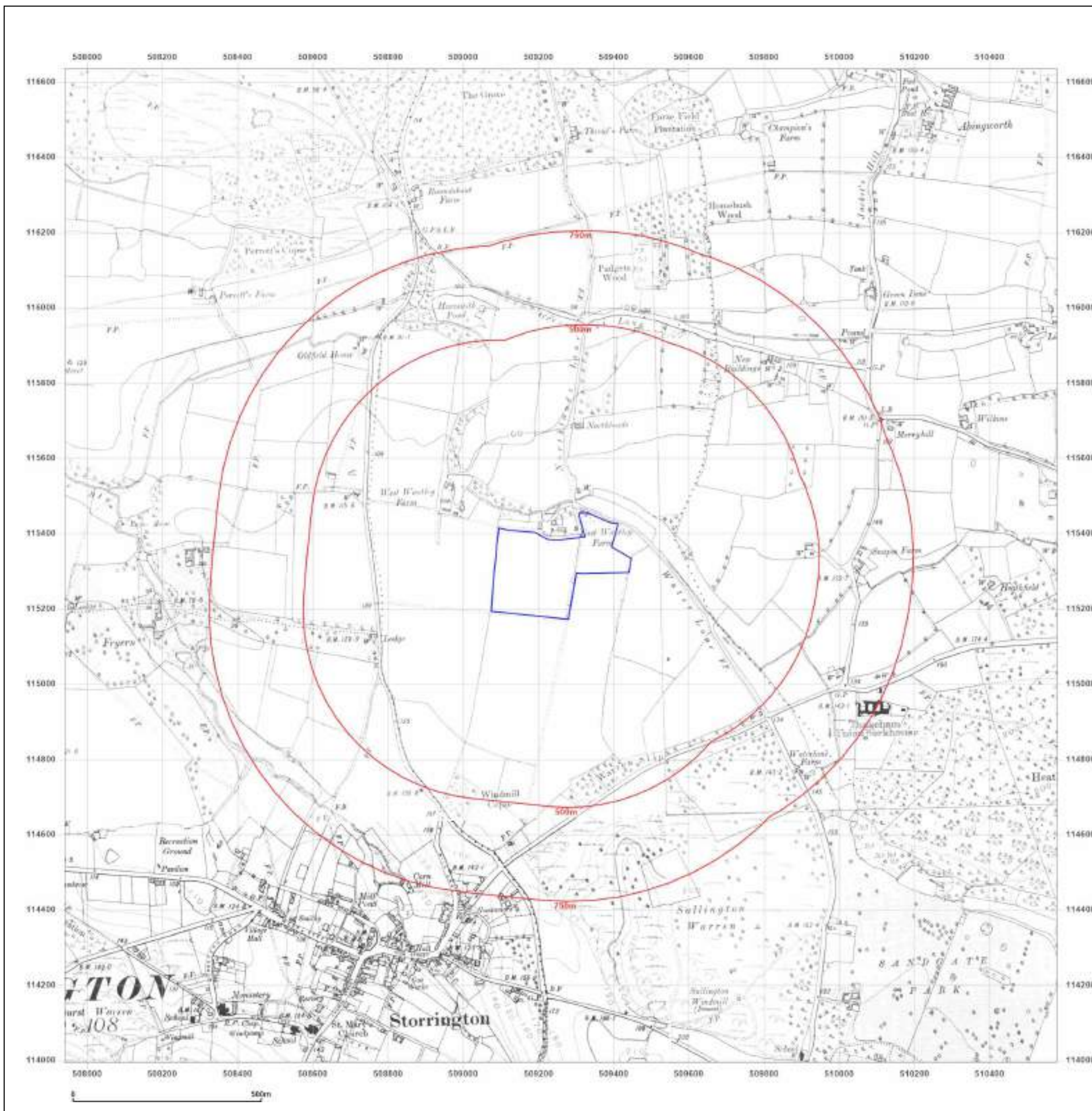


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

Map date: 1909-1914

Scale: 1:10,560

Printed at: 1:10,560



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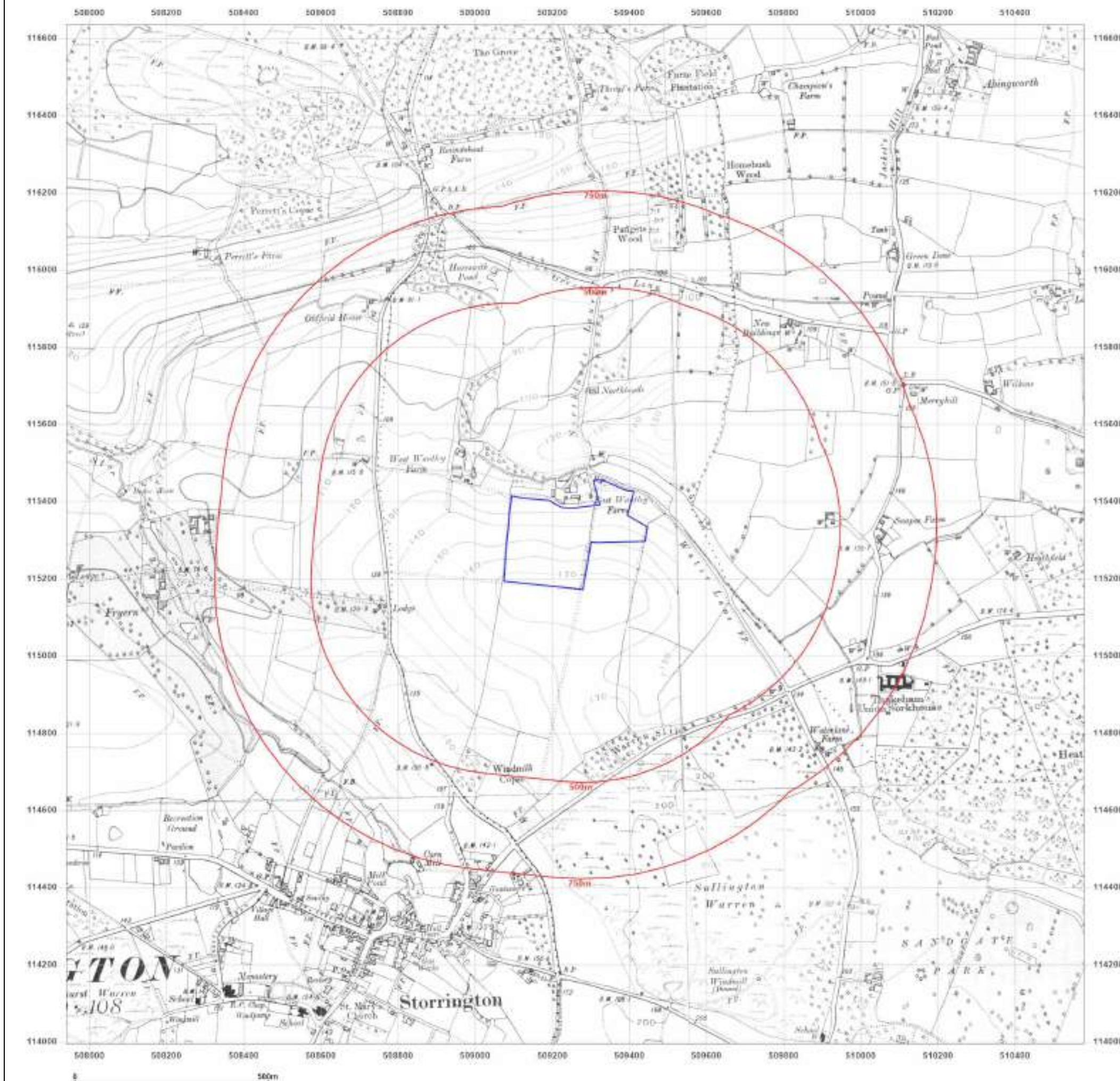


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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

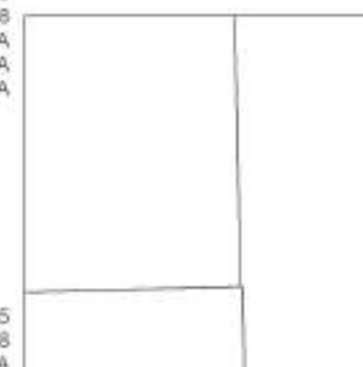
Map date: 1938

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Printed at: 1:10,560



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Surveyed 1875
Revised 1938
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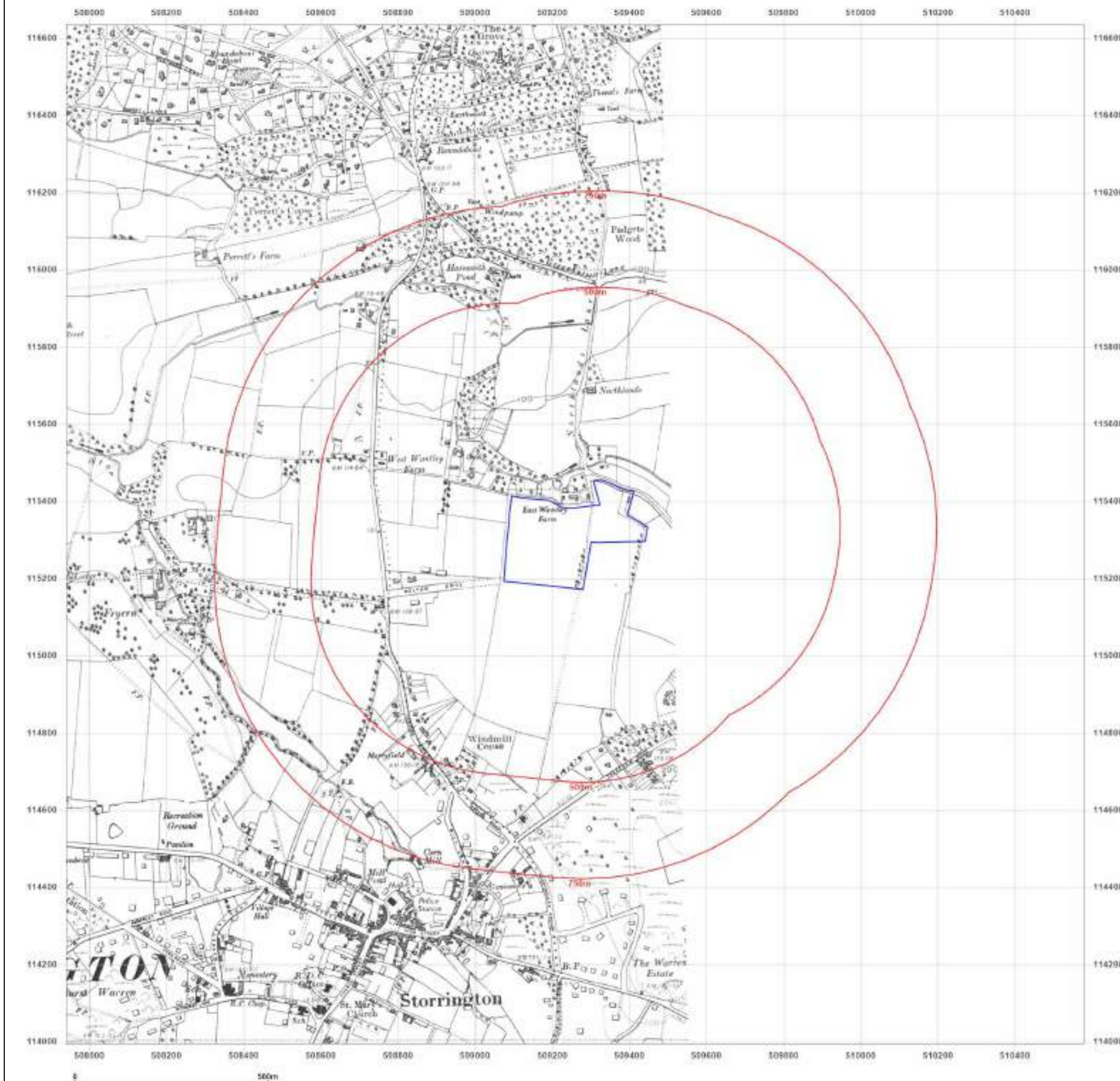


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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: County Series

Map date: 1946

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1875
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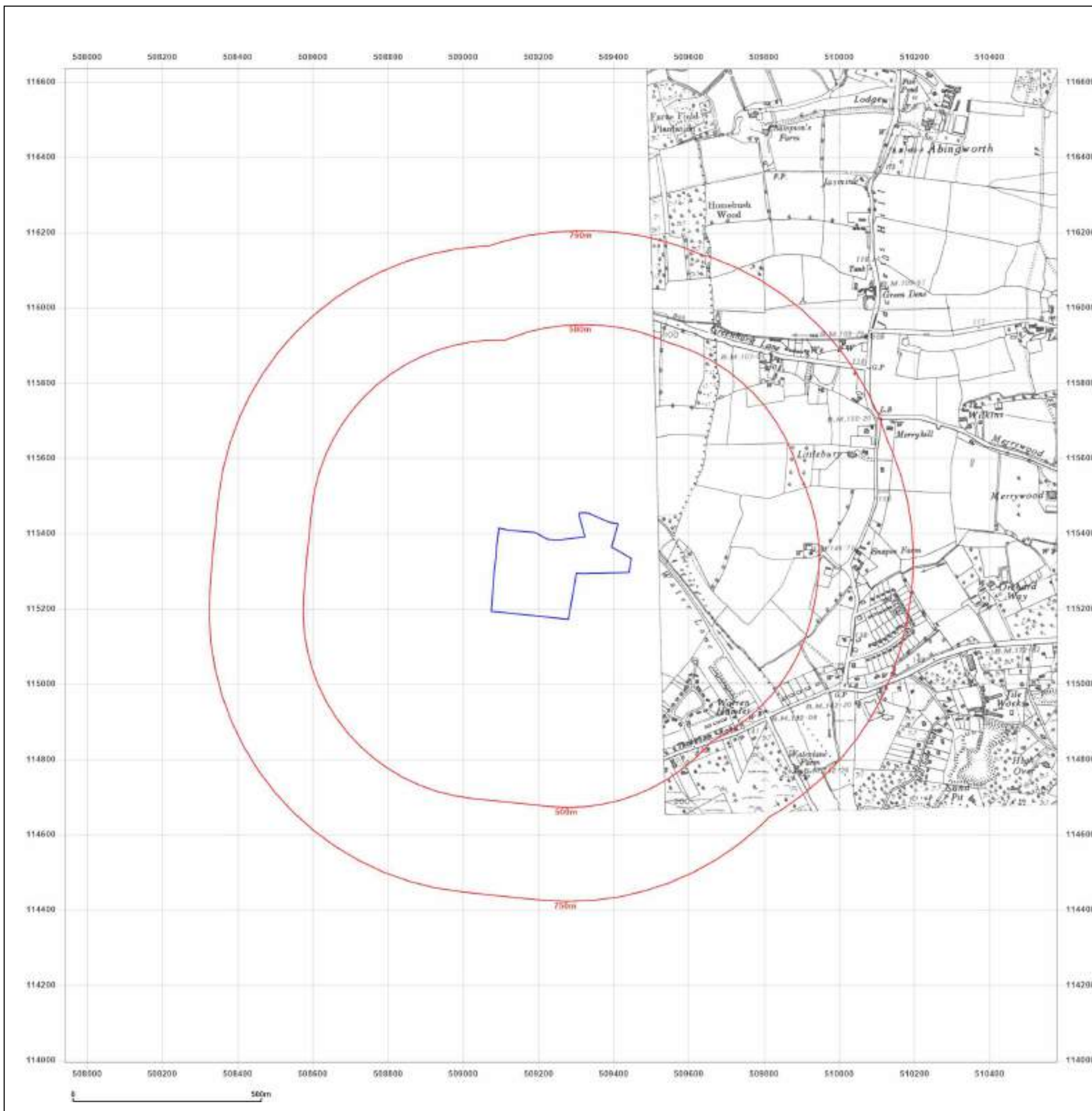


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: Provisional

Map date: 1957-1961

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1957
Edition N/A
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Surveyed 1957
Revised 1961
Edition N/A
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Surveyed 1957
Revised 1961
Edition N/A
Copyright N/A
Levelled N/A

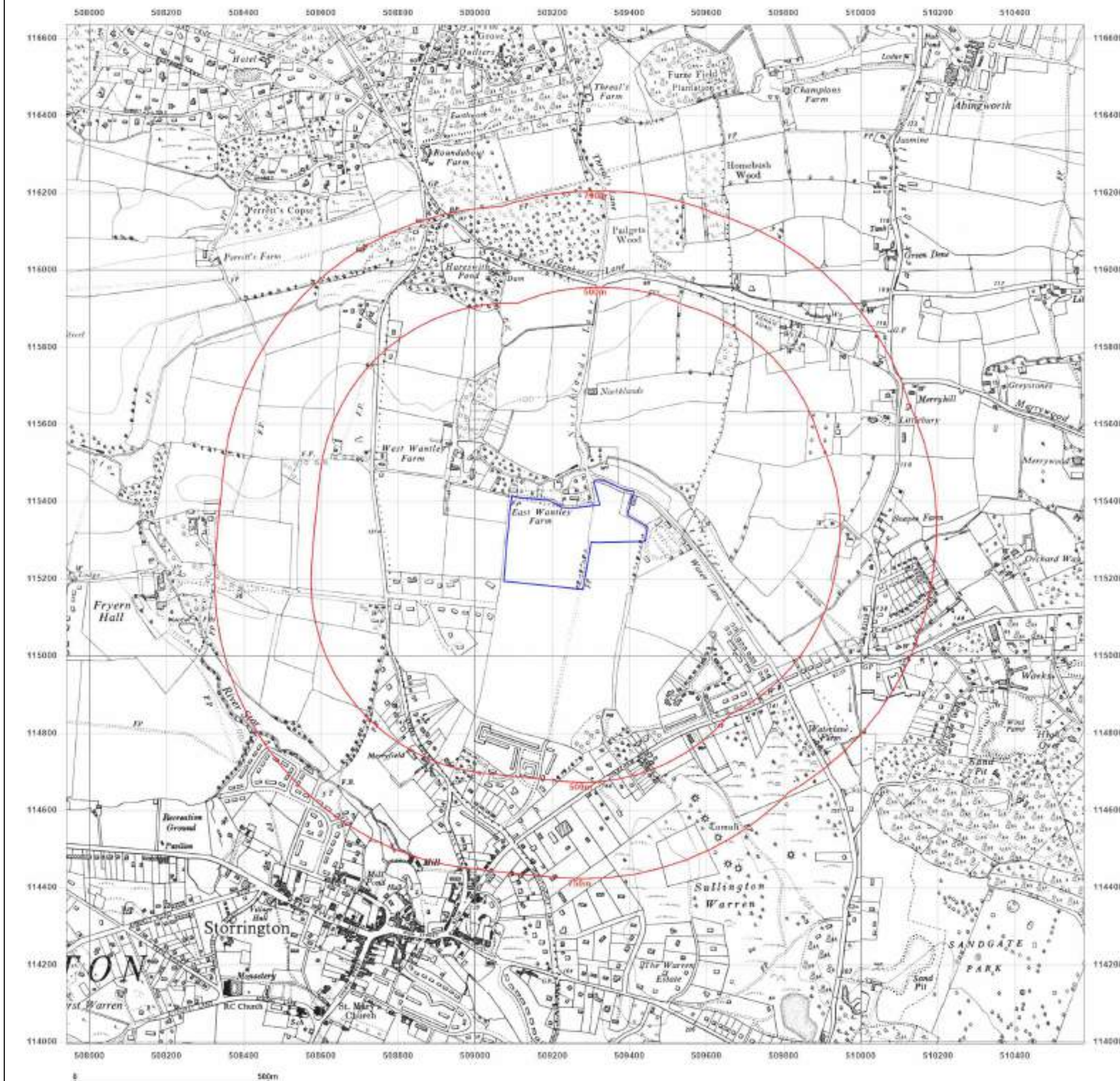


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: National Grid

Map date: 1976-1980

Scale: 1:10,000

Printed at: 1:10,000



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Surveyed 1973
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1977
Revised 1980
Edition N/A
Copyright N/A
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Surveyed 1971
Revised 1980
Edition N/A
Copyright N/A
Levelled N/A

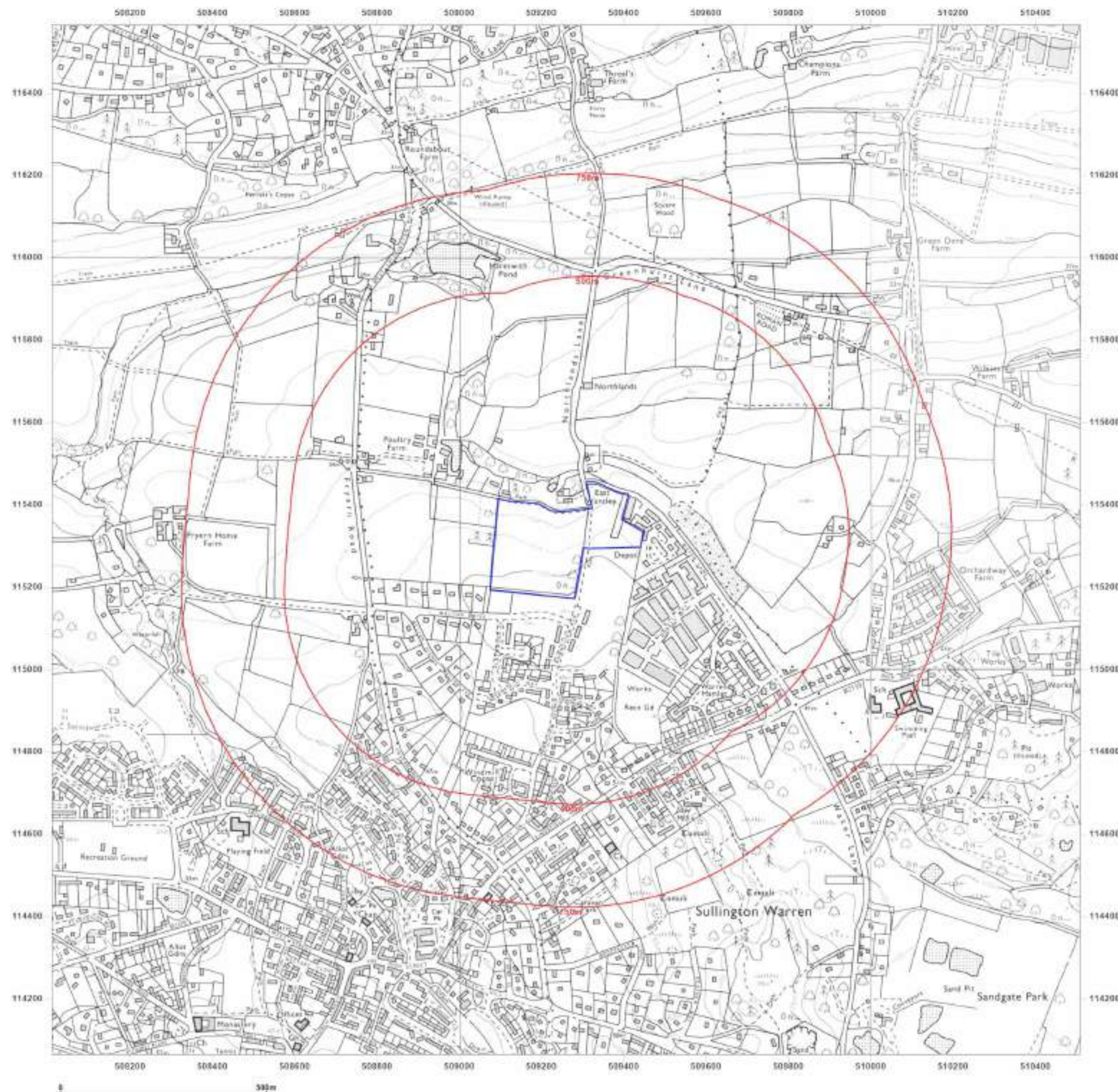


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: National Grid

Map date: 2001

Scale: 1:10,000

Printed at: 1:10,000

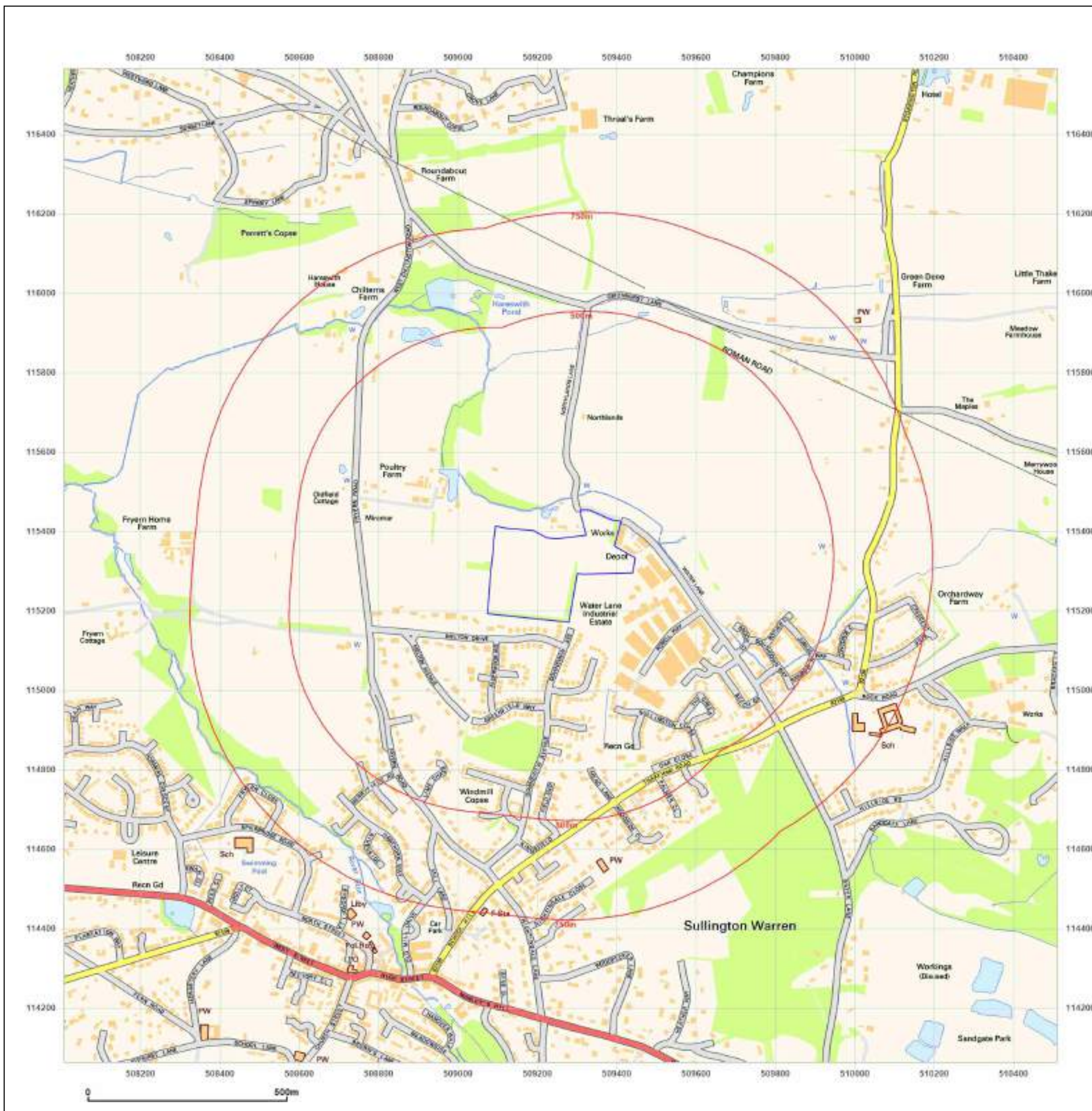


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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000

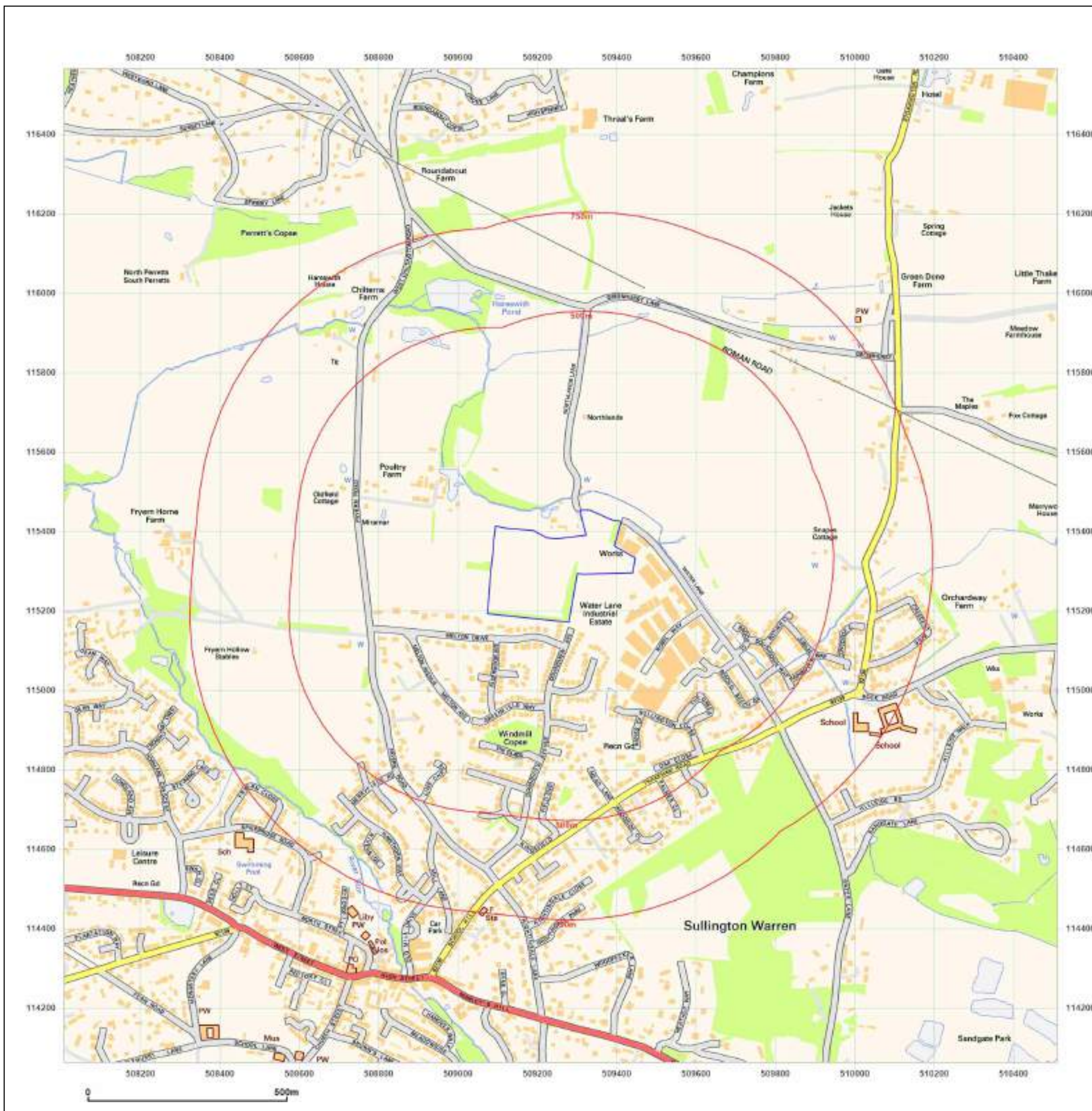


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI
Grid Ref: 509259, 115314

Map Name: National Grid

Map date: 2025

Scale: 1:10,000

Printed at: 1:10,000

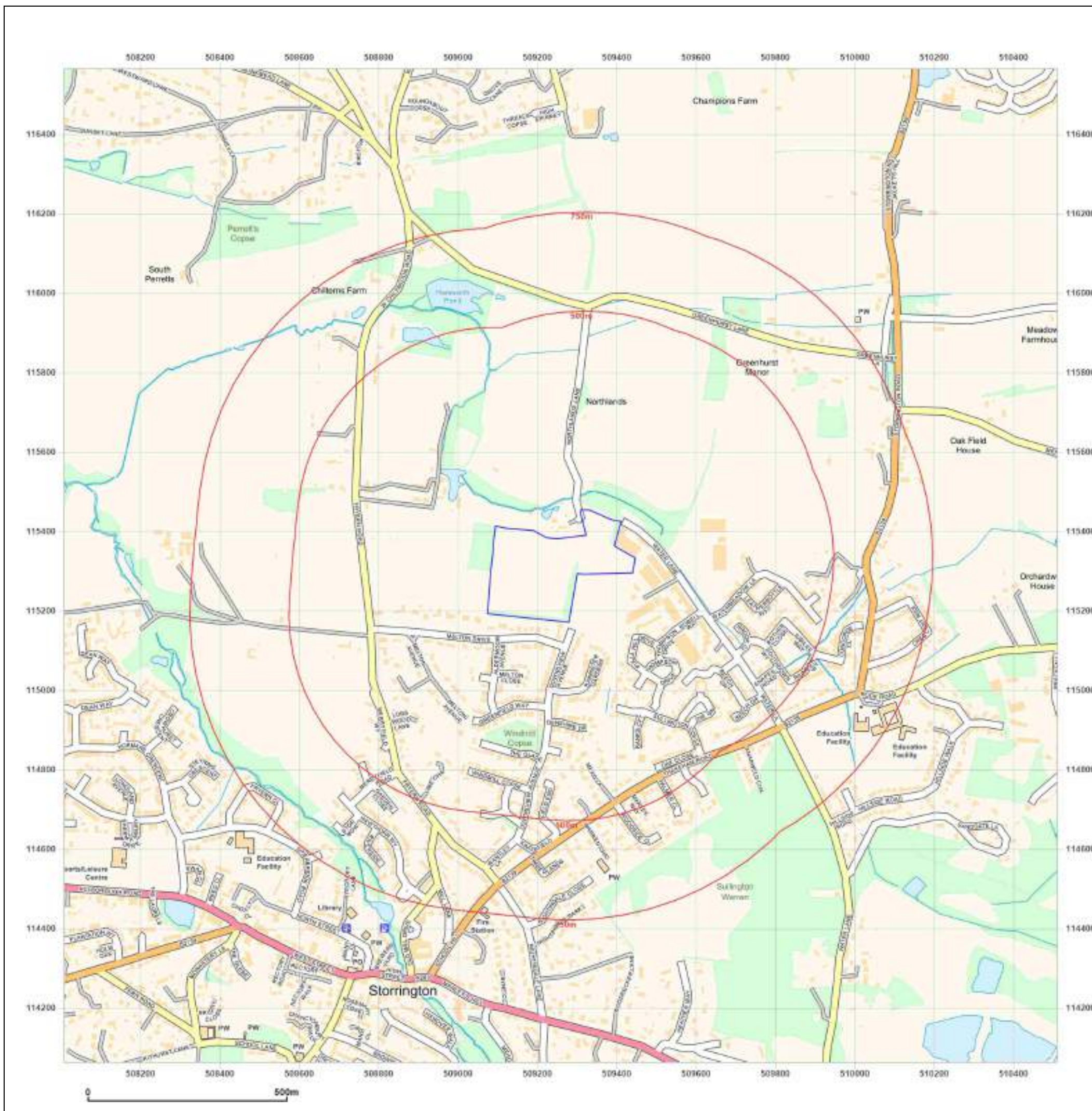


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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: County Series

Map date: 1875-1876

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1876
Revised 1876
Edition N/A
Copyright N/A
Levelled N/A

Surveyed 1875
Revised 1875
Edition N/A
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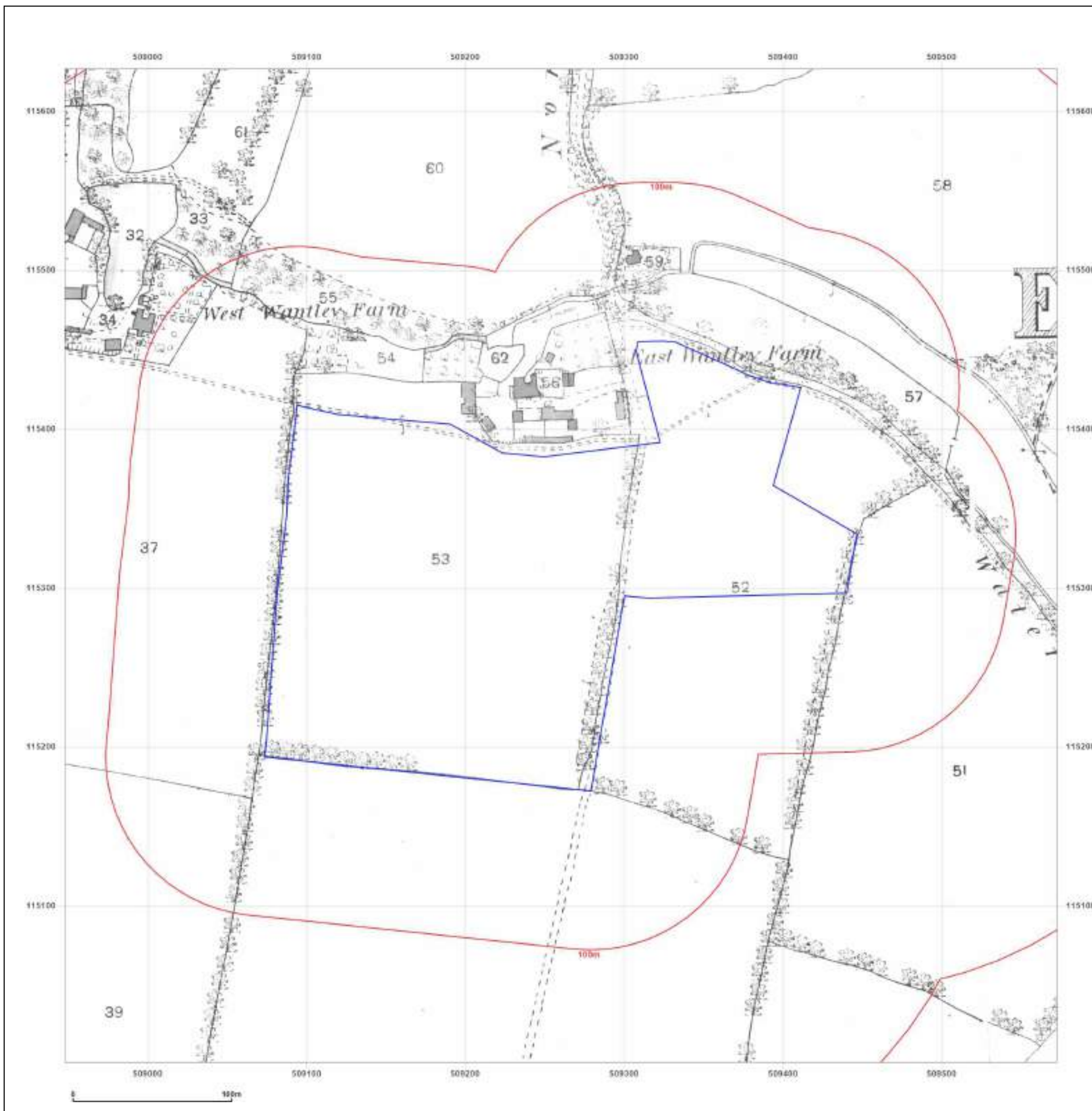


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: County Series

Map date: 1897

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1897
Revised 1897
Edition N/A
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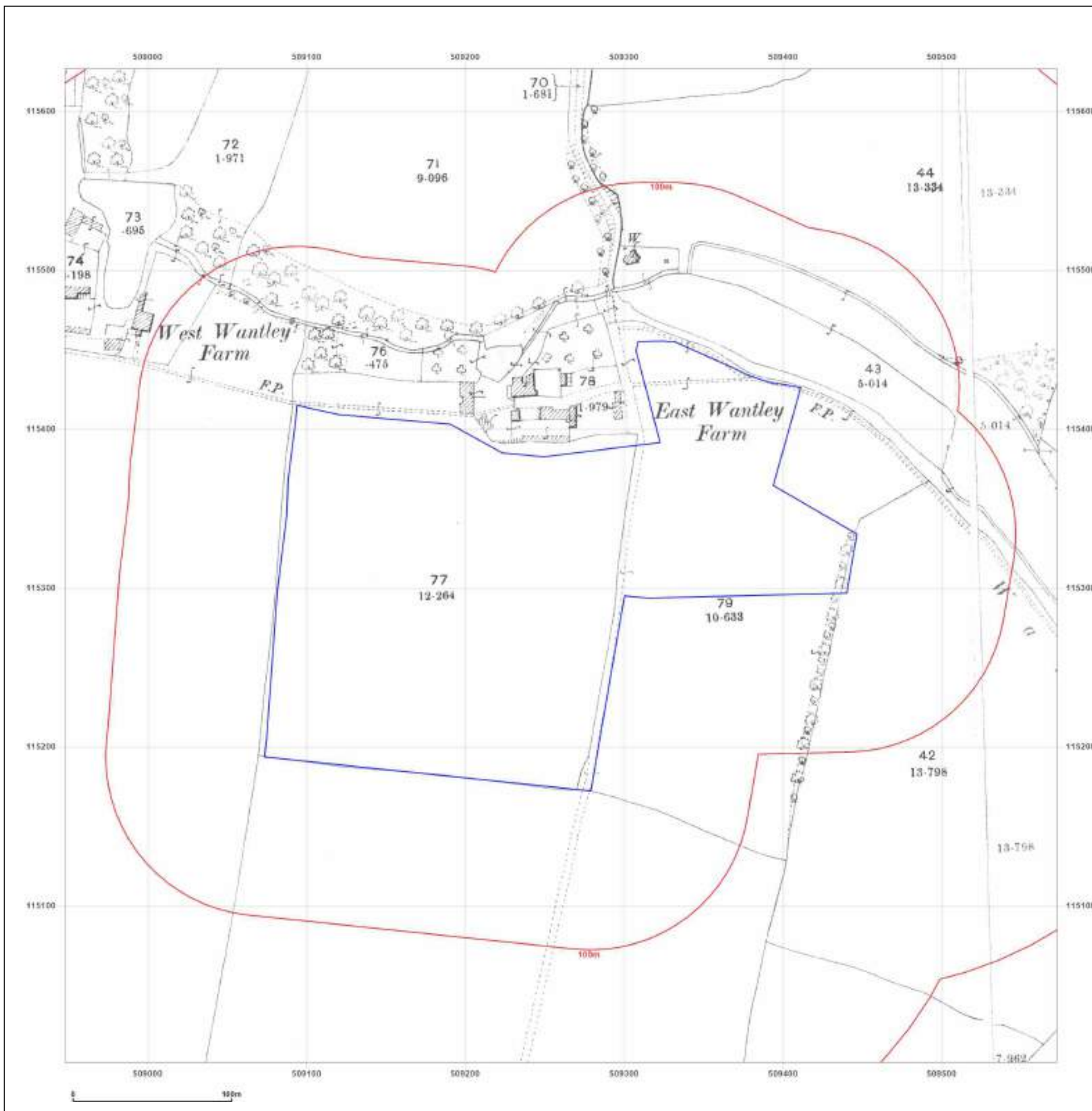


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: County Series

Map date: 1911

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1911
Revised 1911
Edition N/A
Copyright N/A
Levelled N/A

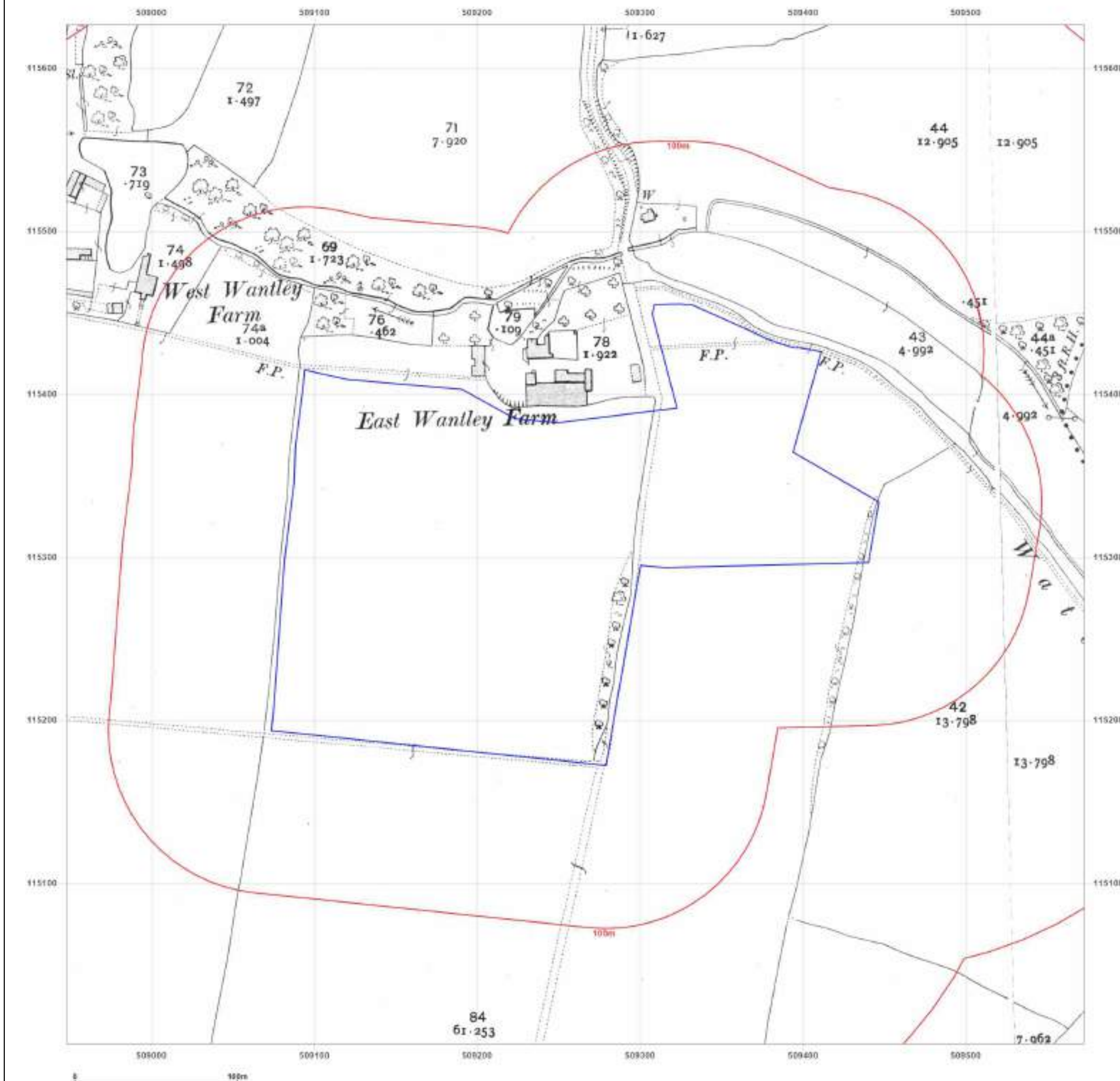


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: County Series

Map date: 1937

Scale: 1:2,500

Printed at: 1:2,500



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Edition N/A
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Surveyed 1937
Revised 1937
Edition N/A
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Levelled N/A

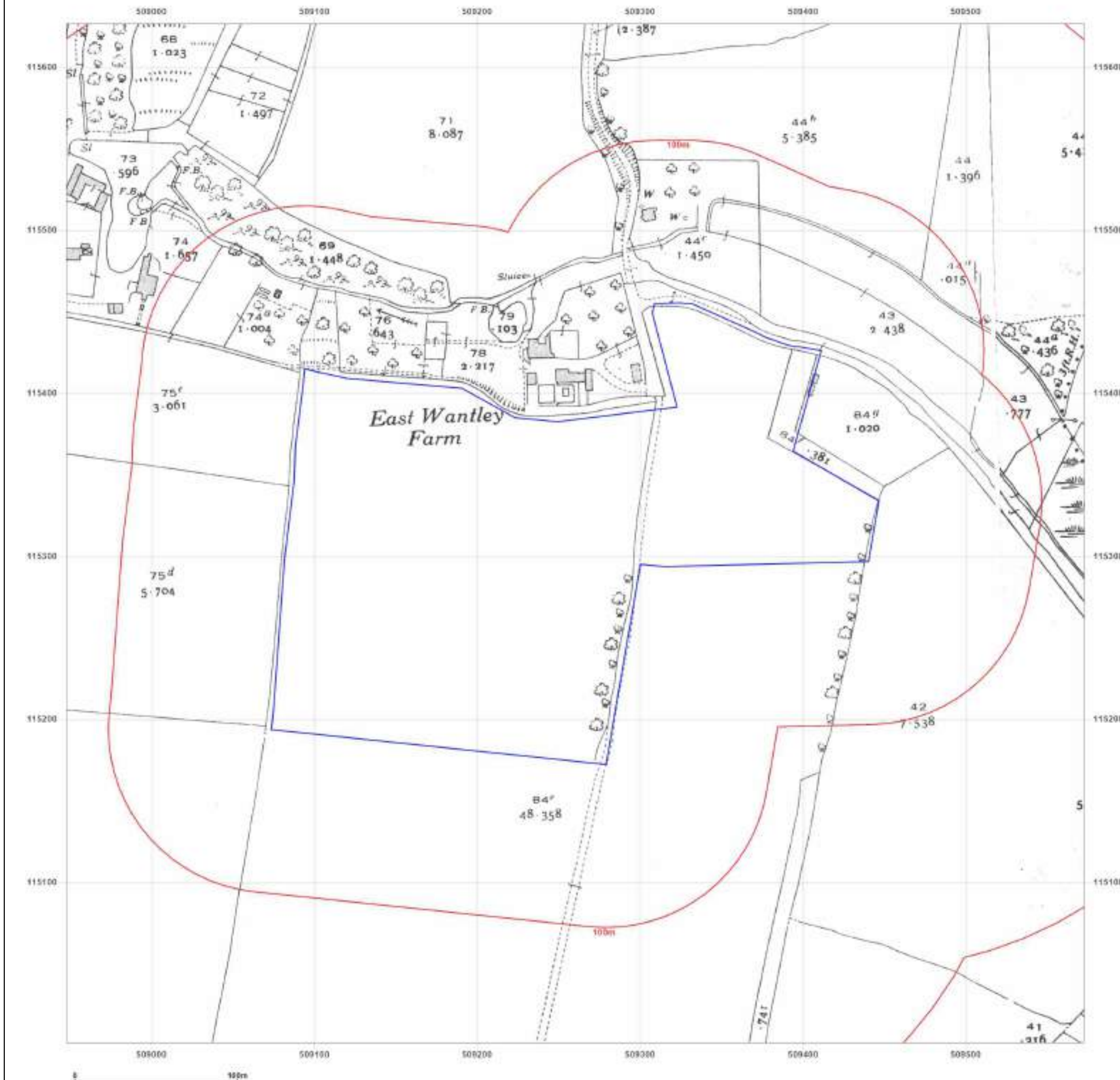


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: National Grid

Map date: 1973

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1972
Revised 1972
Edition N/A
Copyright 1973
Levelled 1966

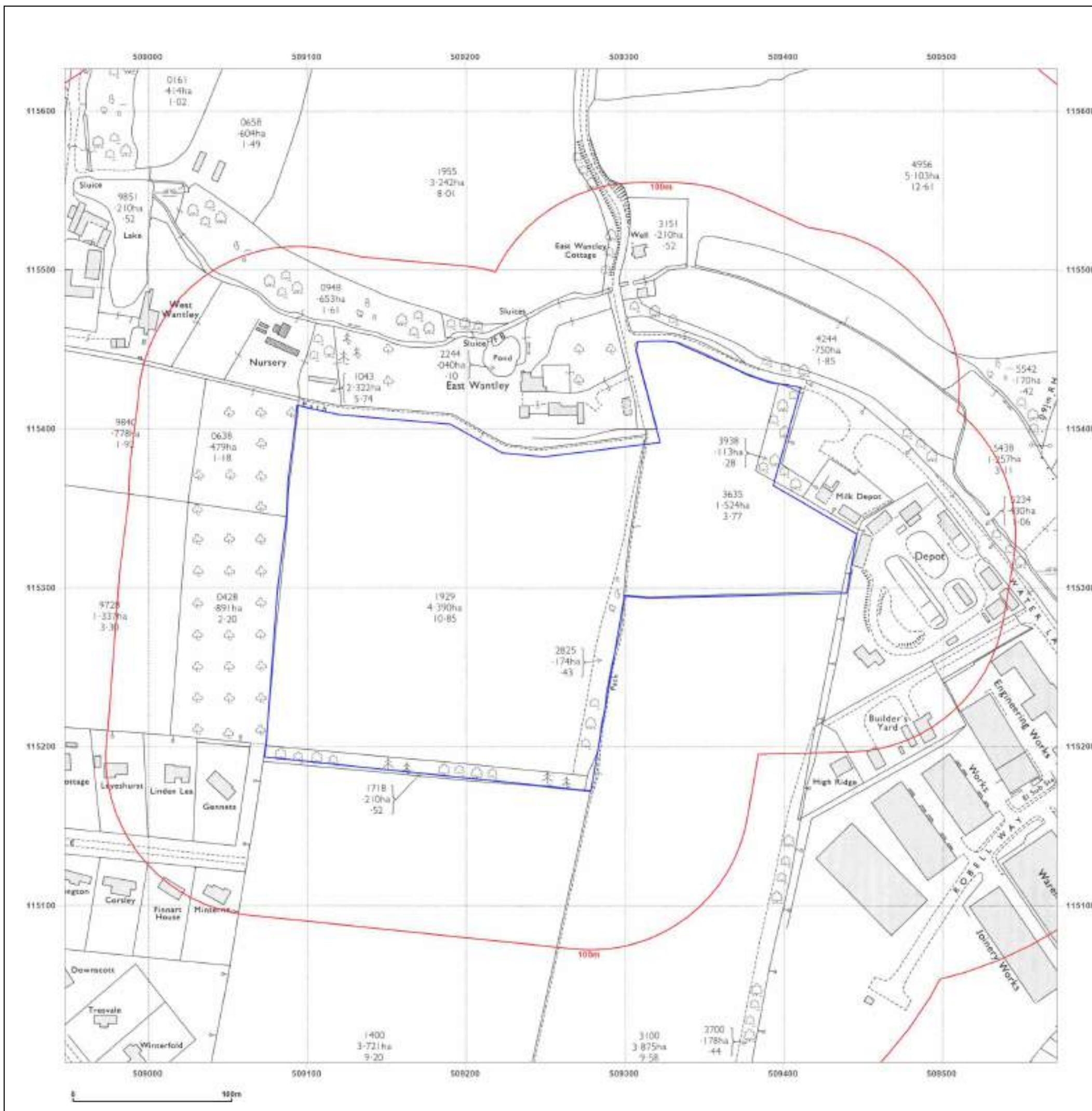


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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: National Grid

Map date: 1982

Scale: 1:2,500

Printed at: 1:2,500



Surveyed 1980
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Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_LS_1_1
Grid Ref: 509260, 115314

Map Name: National Grid

Map date: 1991-1995

Scale: 1:2,500

Printed at: 1:2,500



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Client Ref: P25017
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Grid Ref: 509260, 115314

Map Name: National Grid

Map date: 1993-1995

Scale: 1:2,500

Printed at: 1:2,500



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Landline Scale Grid Index



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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_Landline_1_1
Grid Ref: 509109, 115314

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250

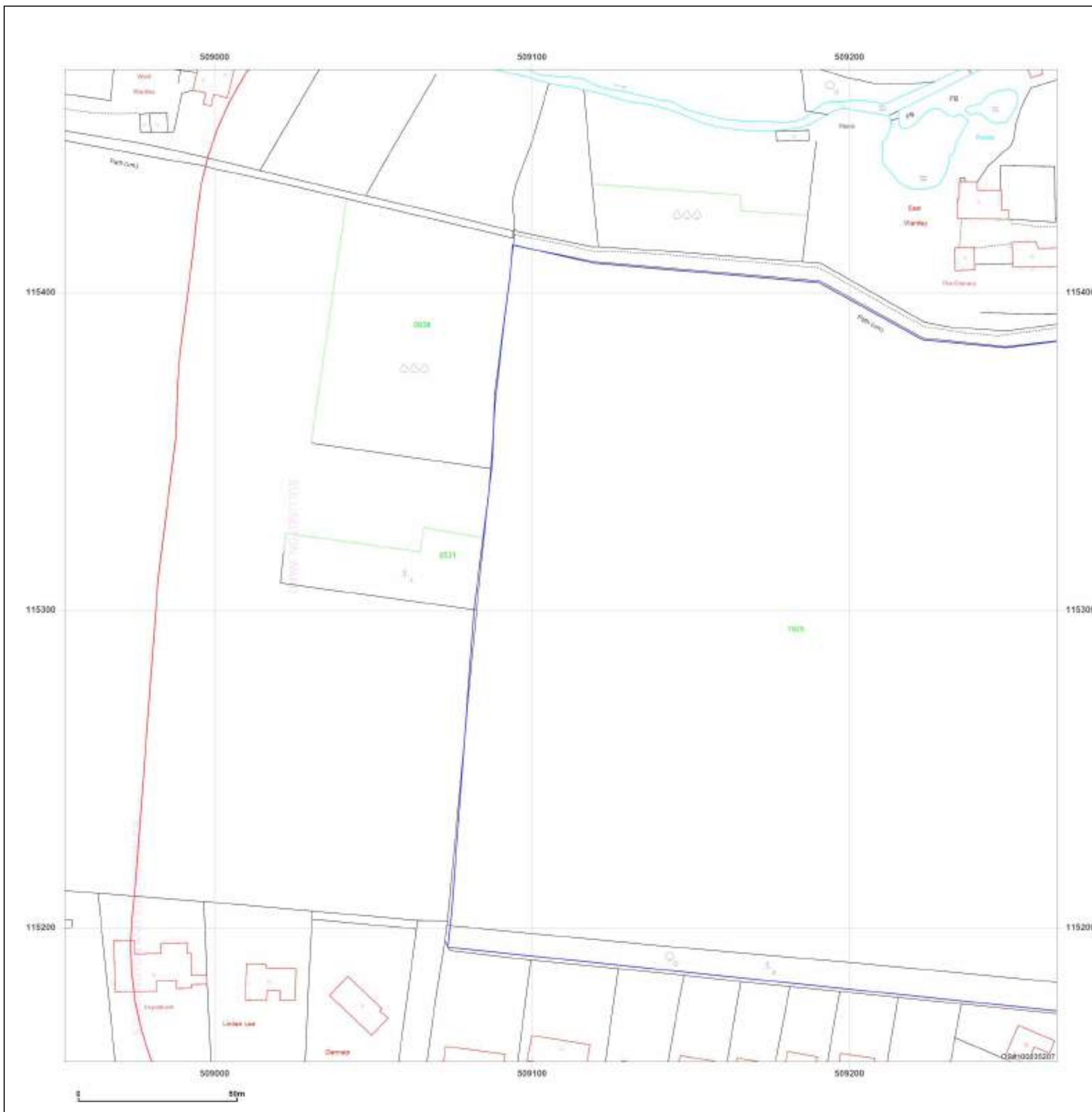


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RH20 3EA

Client Ref: P25017
Report Ref: GS-KT3-OMD-VUC-FWI_Landline_2_1
Grid Ref: 509409, 115314

Map Name: LandLine

Map date: 2003

Scale: 1:1,250

Printed at: 1:1,250



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Risk classification methodology

The method of risk evaluation adopted in this document is consistent with CIRIA C552 (2001). Hence, risk is considered to be a function of both the probability (likelihood) of contamination occurring at the study site and also the potential severity (consequence) of the environmental impacts associated with this contamination.

The classification system used to define contaminant probability, consequence and risk is described in the following tables.

Table A: Classification of probability

Classification	Definition
High Likelihood	There is a contaminant linkage and an event that appears either 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 contaminant linkage and all the elements are present and in the right place, which means that it is probably 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 contaminant linkage and circumstances are possible under which an event could occur. However, it is by no means certain that even over a longer period such event would take place, and is less likely in the shorter term.
Unlikely	There is contaminant linkage but circumstances are such that it is improbable that an event would occur even in the long term.

Table B: Classification of consequence

Classification	Receptor	Definition	Examples
Severe	Humans	Short-term (acute) risk to human health likely to result in "significant harm" as defined in the CTL Statutory Guidance	High concentrations of cyanide on the surface of an informal recreation area
	Controlled waters	Short-term risk of pollution (note: Water Resources Act contains no scope for considering significance of pollution) of sensitive water resource	Major spillage of contaminants from site into controlled water
	Property	Catastrophic damage to buildings/property	Explosion, causing building collapse (can also equate to an acute human health risk if buildings are occupied)
	Ecology	A short-term risk to a particular ecosystem, or organism forming part of such eco-system	Potentially long term derogation of a designated site or protected species
Medium	Humans	Chronic damage to human health ("significant harm" as defined in the CTL Statutory Guidance)	Concentrations of a contaminant from a residential site exceed the site-specific assessment criteria
	Controlled waters	Pollution of sensitive water resources (note: Water Resources Act contains no scope for considering significance of pollution)	Leaching of contaminants from a site to a principal or secondary aquifer
	Property	Significant damage to crops, buildings, structures and services	Damage to building rendering it unsafe to occupy (e.g. foundation damage resulting in instability).
	Ecology	A significant change in a particular ecosystem	Death of a species within a designated nature reserve

Classification	Receptor	Definition	Examples
Mild	Humans	Contamination present although unlikely to constitute a significant chronic health risk	Concentrations of a contaminant from a public access site moderately exceed the generic assessment criteria
	Controlled waters	Pollution of non-water resources	Pollution of non-classified groundwater
	Property	Damage to sensitive buildings/structures/services	Aggressive ground conditions leading to potential for long term degradation of buried concrete
	Ecology	Damage to the environment	Localised damage to aquatic habitat causing temporary relocation of certain species
Minor	Humans	Non-permanent health effects to human health (easily prevented by means such as personal protective clothing etc.)	The presence of contaminants at such concentrations that protective equipment is required during site works.
	Controlled waters	Potential minor release of contamination to local water features	Short term or low volume release of potentially polluting material to a secondary surface water course of low existing quality
	Property	Easily reparable effects of damage to buildings, structures and services. Harm which may result in a financial loss, or expenditure to resolve.	The loss of plants in a landscaping scheme. Discolouration of concrete
	Ecology	Short term, localised damage may occur; consequences are spatially and temporally limited	Short term or localised disruption to in situ flora or fauna; no lasting effects

Table C: Risk classification (comparison of consequence and probability)

Probability (likelihood)		Consequence (severity)			
		<i>Severe</i>	<i>Medium</i>	<i>Mild</i>	<i>Minor</i>
	<i>High likelihood</i>	Very high risk	High risk	Moderate risk	Low risk
	<i>Likely</i>	High risk	Moderate risk	Moderate/low risk	Low risk
	<i>Low likelihood</i>	Moderate risk	Moderate/low risk	Low risk	Very low risk
	<i>Unlikely</i>	Moderate/low risk	Low risk	Very low risk	Very low risk

