

Site Details:

LAND WEST OF 41, FORT
ROAD, HALSTEAD,
SEVENOAKS, TN14 7BS

Client Ref: C-10730-C_Fort_Halstead_PO_P028025
Report Ref: GS-5746913_SS_2_2
Grid Ref: 550913, 160798

Map Name: Provisional

Map date: 1967-1968

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1967
Edition N/A
Copyright N/A
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Surveyed 1968
Revised 1968
Edition N/A
Copyright N/A
Levelled N/A

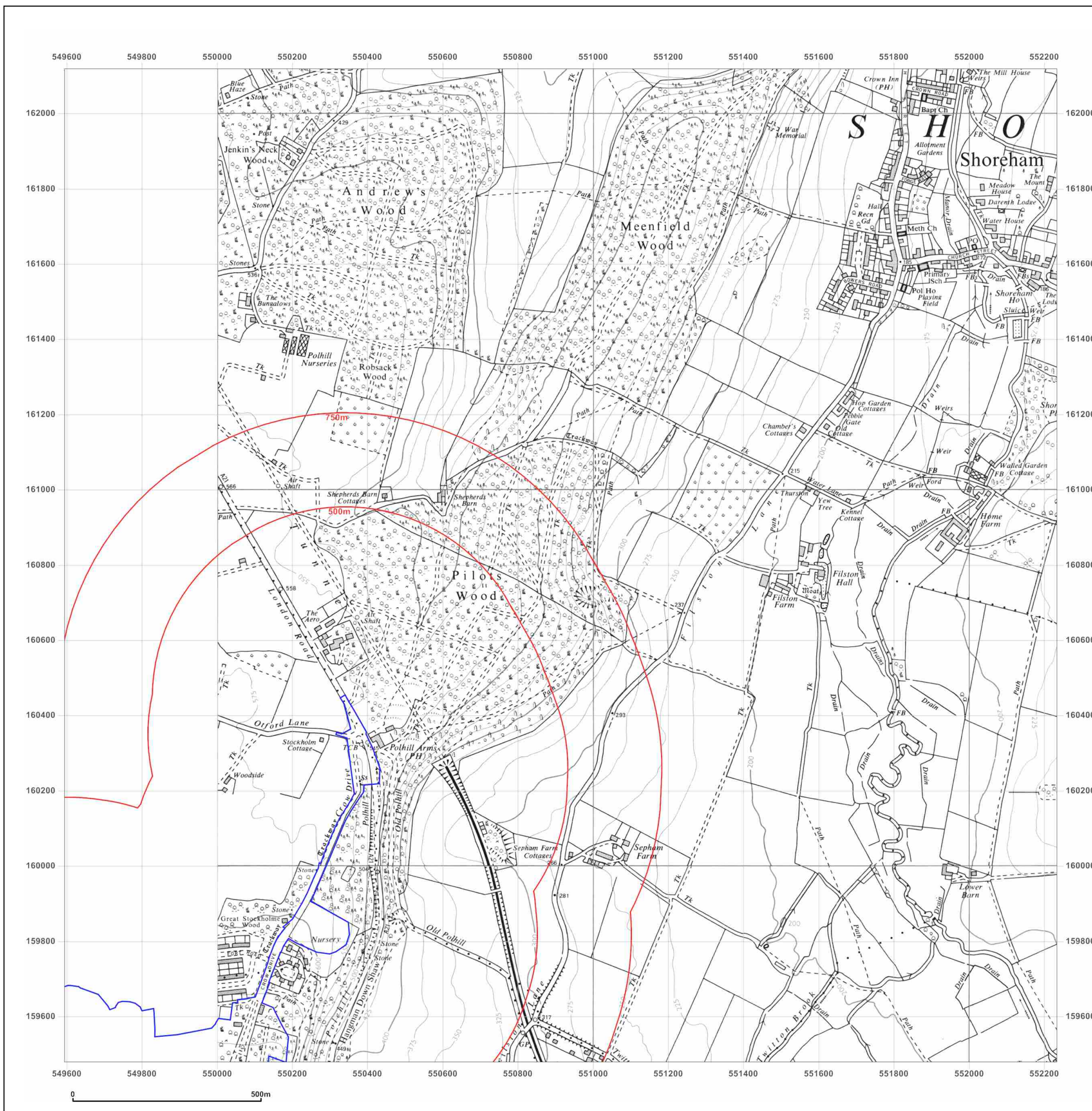


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Production date: 14 January 2019

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Client Ref: C-10730-C_Fort_Halstead_PO_P028025
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Grid Ref: 550913, 160798

Map Name: National Grid

Map date: 1987-1990

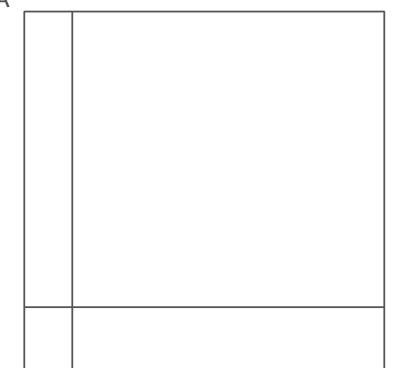
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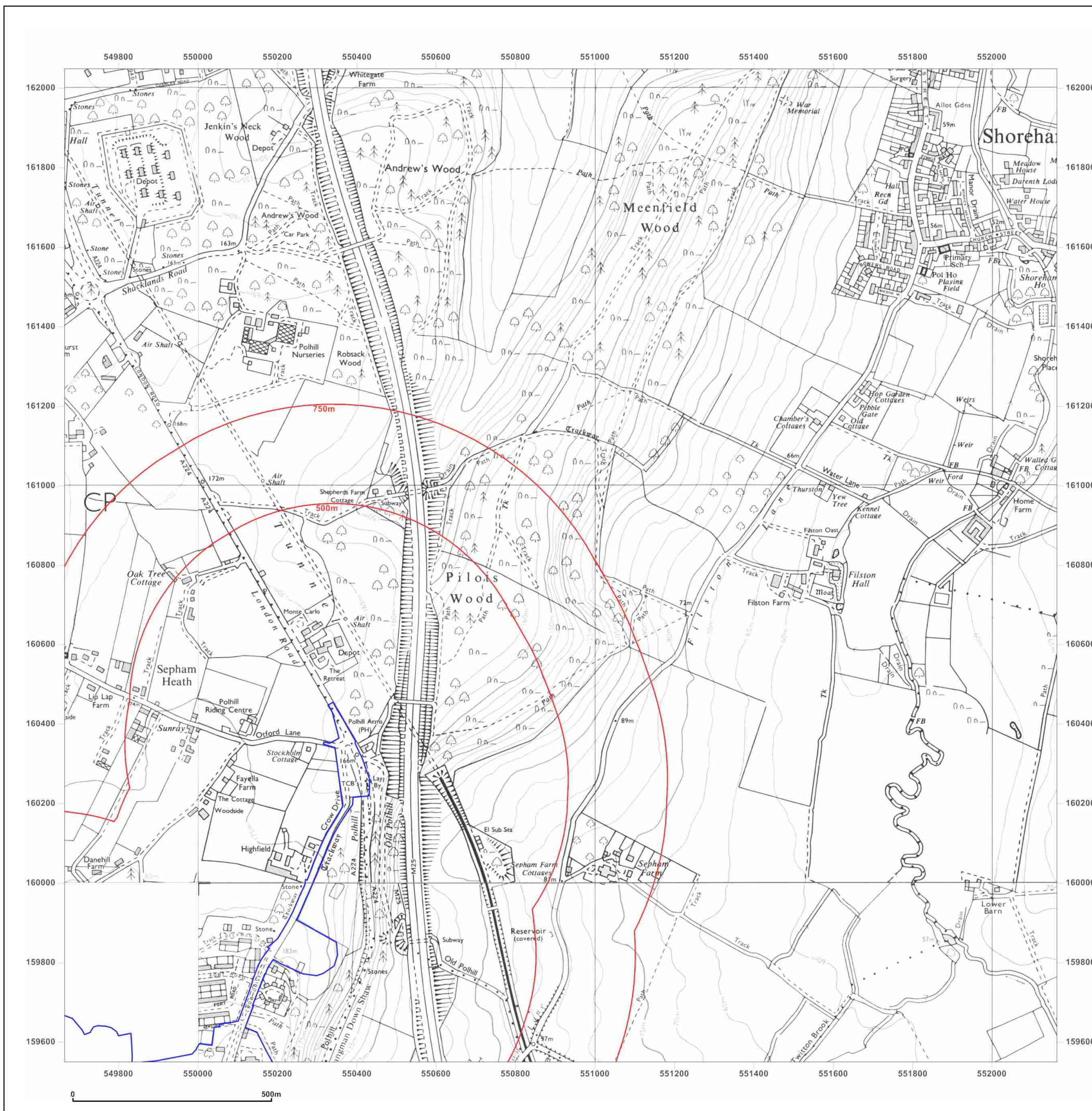


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Client Ref: C-10730-C_Fort_Halstead_PO_P028025
Report Ref: GS-5746913_SS_2_2
Grid Ref: 550913, 160798

Map Name: 1:10,000 Raster

Map date: 2002

Scale: 1:10,000

Printed at: 1:10,000



2002

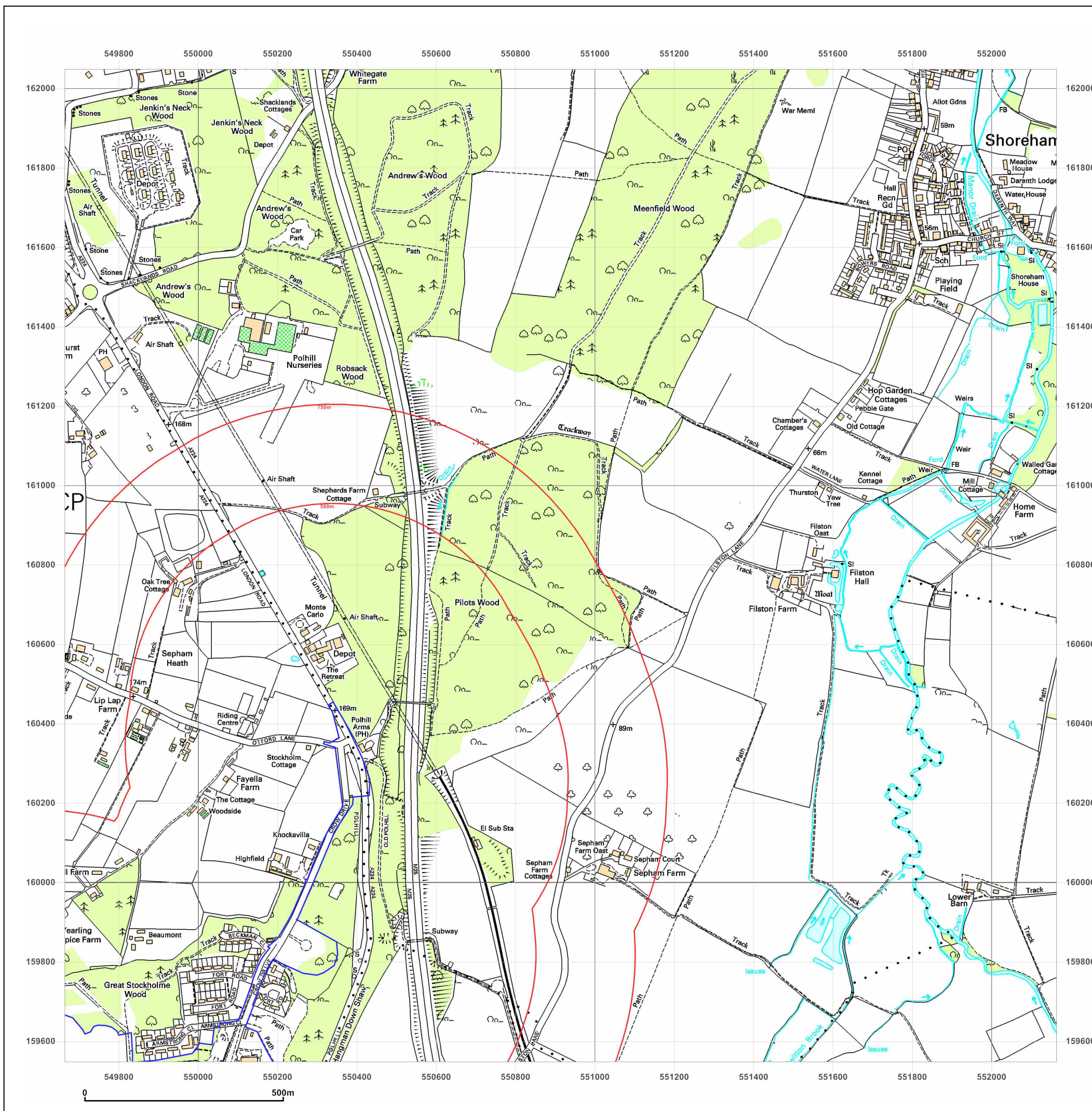


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Client Ref: C-10730-C_Fort_Halstead_PO_P028025
Report Ref: GS-5746913_SS_2_2
Grid Ref: 550913, 160798

Map Name: National Grid

Map date: 2010

Scale: 1:10,000

Printed at: 1:10,000



2010

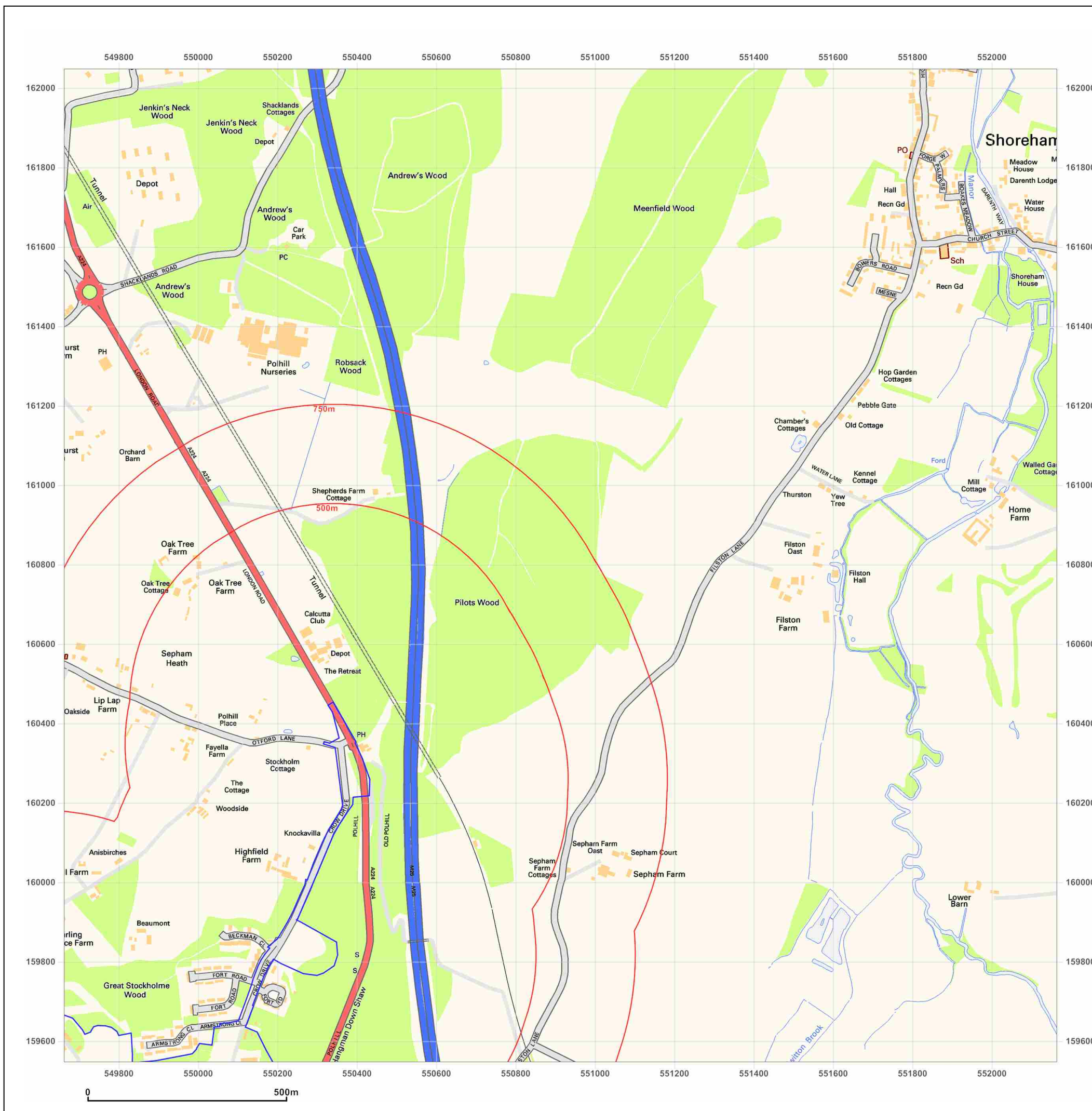


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Site Details:

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SEVENOAKS, TN14 7BS

Client Ref: C-10730-C_Fort_Halstead_PO_P028025
Report Ref: GS-5746913_SS_2_2
Grid Ref: 550913, 160798

Map Name: National Grid

Map date: 2014

Scale: 1:10,000

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2014



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Appendix D

Desk Study Research Information



Hydrock Consultants Ltd

HYDROCK CONSULTANTS LTD, OVER COURT
BARNES, OVER LANE,
ALMONDSBURY, BS32 4DF

Groundsure
Reference:

GS-5746911

Your Reference:

C-10730-
C_Fort_Halstead_PO_P028025

Report Date

14 Jan 2019

Report Delivery
Method:

Email - pdf

Enviro Insight

Address: LAND WEST OF 41, FORT ROAD, HALSTEAD, SEVENOAKS, TN14 7BS

Dear Sir/ Madam,

Thank you for placing your order with Groundsure. Please find enclosed the **Groundsure Enviro Insight** as requested.

If you need any further assistance, please do not hesitate to contact our helpline on 08444 159000 quoting the above Groundsure reference number.

Yours faithfully,

Managing Director
Groundsure Limited

Enc.
Groundsure Enviroinsight

Address: LAND WEST OF 41, FORT ROAD, HALSTEAD, SEVENOAKS, TN14 7BS

Date: 14 Jan 2019

Reference: GS-5746911

Client: Hydrock Consultants Ltd

NW

N

NE

W

E



SW

S

SE

Aerial Photograph Capture date: 09-Aug-2015

Grid Reference: 549845,159348

Site Size: 62.86ha

Report Reference: GS-5746911

Client Reference: C-10730-C_Fort_Halstead_PO_P028025

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Overview of Findings

For further details on each dataset, please refer to each individual section in the main report as listed. Where the database has been searched a numerical result will be recorded. Where the database has not been searched '-' will be recorded.

Section 1: Historical Industrial Sites	On-site	0-50	51-250	251-500
1.1 Potentially Contaminative Uses identified from 1:10,000 scale mapping	8	1	84	62
1.2 Additional Information – Historical Tank Database	1	2	2	5
1.3 Additional Information – Historical Energy Features Database	2	4	4	1
1.4 Additional Information – Historical Petrol and Fuel Site Database	0	0	0	0
1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database	0	0	3	0
1.6 Historical military sites	1	0	0	0
1.7 Potentially Infilled Land	5	5	79	55
Section 2: Environmental Permits, Incidents and Registers	On-site	0-50m	51-250	251-500
2.1 Industrial Sites Holding Environmental Permits and/or Authorisations				
2.1.1 Records of historic IPC Authorisations	0	0	0	0
2.1.2 Records of Part A(1) and IPPC Authorised Activities	0	0	0	0
2.1.3 Records of Red List Discharge Consents	0	0	0	0
2.1.4 Records of List 1 Dangerous Substances Inventory sites	0	0	0	0
2.1.5 Records of List 2 Dangerous Substances Inventory sites	0	0	0	0
2.1.6 Records of Part A(2) and Part B Activities and Enforcements	0	0	0	3
2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations	5	0	0	0
2.1.8 Records of Licensed Discharge Consents	1	1	3	4
2.1.9 Records of Water Industry Referrals	0	0	0	0
2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site	0	0	0	0
2.2 Records of COMAH and NIHHS sites	0	0	0	0
2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents				
2.3.1 National Incidents Recording System, List 2	0	1	5	3
2.3.2 National Incidents Recording System, List 1	0	0	0	0
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990	0	0	0	0

Section 3: Landfill and Other Waste Sites	On-site	0-50m	51-250	251-500	501-1000	1000-1500
3.1 Landfill Sites						
3.1.1 Environment Agency/Natural Resources Wales Registered Landfill Sites	0	0	0	0	0	Not searched
3.1.2 Environment Agency/Natural Resources Wales Historic Landfill Sites	0	0	0	0	0	1
3.1.3 BGS/DoE Landfill Site Survey	0	0	0	0	0	0
3.1.4 Records of Landfills in Local Authority and Historical Mapping Records	0	0	0	0	0	0
3.2 Landfill and Other Waste Sites Findings						
3.2.1 Operational and Non-Operational Waste Treatment, Transfer and Disposal Sites	0	0	0	0	Not searched	Not searched
3.2.2 Environment Agency/Natural Resources Wales Licensed Waste Sites	0	0	0	6	0	0

Section 4: Current Land Use	On-site	0-50m	51-250	251-500
4.1 Current Industrial Sites Data	6	2	7	Not searched
4.2 Records of Petrol and Fuel Sites	0	0	0	0
4.3 National Grid Underground Electricity Cables	0	0	0	0
4.4 National Grid Gas Transmission Pipelines	0	0	1	1

Section 5: Geology	
5.1 Records of Artificial Ground and Made Ground present beneath the study site	None identified
5.2 Records of Superficial Ground and Drift Geology present beneath the study site	Identified
5.3 For records of Bedrock and Solid Geology beneath the study site see the detailed findings section.	

Section 6: Hydrogeology and Hydrology				0-500m		
6.1 Records of Strata Classification in the Superficial Geology within 500m of the study site				Identified		
6.2 Records of Strata Classification in the Bedrock Geology within 500m of the study site				Identified		
	On-site	0-50m	51-250	251-500	501-1000	1000-2000
6.3 Groundwater Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	2
6.4 Surface Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	2
6.5 Potable Water Abstraction Licences (within 2000m of the study site)	0	0	0	0	0	1
6.6 Source Protection Zones (within 500m of the study site)	0	0	0	0	Not searched	Not searched
6.7 Source Protection Zones within Confined Aquifer	0	0	0	0	Not searched	Not searched
6.8 Groundwater Vulnerability and Soil Leaching Potential (within 500m of the study site)	5	0	#250GWV #	#500GWV #	Not searched	Not searched

Section 6: Hydrogeology and Hydrology

0-500m

	On-site	0-50m	51-250	251-500	501-1000	1000-1500
6.9 Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site	No	No	No	No	No	No
6.10 Ordnance Survey MasterMap Water Network entries within 500m of the site	0	0	0	4	Not searched	Not searched
6.11 Surface water features within 250m of the study site	No	No	No	Not searched	Not searched	Not searched

Section 7: Flooding

7.1 Environment Agency Zone 2 floodplains within 250m of the study site	None identified					
7.2 Environment Agency/Natural Resources Wales Zone 3 floodplains within 250m of the study site	None identified					
7.3 Risk of flooding from Rivers and the Sea (RoFRaS) rating for the study site	Very Low					
7.4 Flood Defences within 250m of the study site	None identified					
7.5 Areas benefiting from Flood Defences within 250m of the study site	None identified					
7.6 Areas used for Flood Storage within 250m of the study site	None identified					
7.7 Maximum BGS Groundwater Flooding susceptibility within 50m of the study site	Limited potential					
7.8 BGS confidence rating for the Groundwater Flooding susceptibility areas	High					

Section 8: Designated Environmentally Sensitive Sites

	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.1 Records of Sites of Special Scientific Interest (SSSI)	0	0	0	0	0	0
8.2 Records of National Nature Reserves (NNR)	0	0	0	0	0	0
8.3 Records of Special Areas of Conservation (SAC)	0	0	0	0	0	0
8.4 Records of Special Protection Areas (SPA)	0	0	0	0	0	0
8.5 Records of Ramsar sites	0	0	0	0	0	0
8.6 Records of Ancient Woodlands	18	3	10	2	11	29
8.7 Records of Local Nature Reserves (LNR)	0	0	0	0	0	0
8.8 Records of World Heritage Sites	0	0	0	0	0	0
8.9 Records of Environmentally Sensitive Areas	0	0	0	0	0	0

Section 8: Designated Environmentally Sensitive Sites	On-site	0-50m	51-250	251-500	501-1000	1000-2000
8.10 Records of Areas of Outstanding Natural Beauty (AONB)	3	0	1	0	1	0
8.11 Records of National Parks	0	0	0	0	0	0
8.12 Records of Nitrate Sensitive Areas	0	0	0	0	0	0
8.13 Records of Nitrate Vulnerable Zones	0	0	0	0	0	0
8.14 Records of Green Belt land	3	0	1	0	0	0

Section 9: Natural Hazards	
9.1 Maximum risk of natural ground subsidence	Moderate
9.1.1 Maximum Shrink-Swell hazard rating identified on the study site	Low
9.1.2 Maximum Landslides hazard rating identified on the study site	Moderate
9.1.3 Maximum Soluble Rocks hazard rating identified on the study site	Moderate
9.1.4 Maximum Compressible Ground hazard rating identified on the study site	Negligible
9.1.5 Maximum Collapsible Rocks hazard rating identified on the study site	Very Low
9.1.6 Maximum Running Sand hazard rating identified on the study site	Negligible
9.2 Radon	
9.2.1 Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level?	The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.
9.2.2 Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment?	No radon protective measures are necessary.

Section 10: Mining	
10.1 Coal mining areas within 75m of the study site	None identified
10.2 Non-Coal Mining areas within 50m of the study site boundary	Identified
10.3 Brine affected areas within 75m of the study site	None identified

Using this report

The following report is designed by Environmental Consultants for Environmental Professionals bringing together the most up-to-date market leading environmental data. This report is provided under and subject to the Terms & Conditions agreed between Groundsure and the Client. The document contains the following sections:

1. Historical Industrial Sites

Provides information on past land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. Potentially Infilled Land features are also included. This search is conducted using radii of up to 500m.

2. Environmental Permits, Incidents and Registers

Provides information on Regulated Industrial Activities and Pollution Incidents as recorded by Regulatory Authorities, and sites determined as Contaminated Land. This search is conducted using radii up to 500m.

3. Landfills and Other Waste Sites

Provides information on landfills and other waste sites that may pose a risk to the study site. This search is conducted using radii up to 1500m.

4. Current Land Uses

Provides information on current land uses that may pose a risk to the study site in terms of potential contamination from activities or processes. These searches are conducted using radii of up to 500m. This includes information on potentially contaminative industrial sites, petrol stations and fuel sites as well as high pressure gas pipelines and underground electricity transmission lines.

5. Geology

Provides information on artificial and superficial deposits and bedrock beneath the study site.

6. Hydrogeology and Hydrology

Provides information on productive strata within the bedrock and superficial geological layers, abstraction licences, Source Protection Zones (SPZs) and river quality. These searches are conducted using radii of up to 2000m.

7. Flooding

Provides information on river and coastal flooding, flood defences, flood storage areas and groundwater flood areas. This search is conducted using radii of up to 250m.

8. Designated Environmentally Sensitive Sites

Provides information on the Sites of Special Scientific Interest (SSSI), National Nature Reserves (NNR), Special Areas of Conservation (SAC), Special Protection Areas (SPA), Ramsar sites, Local Nature Reserves (LNR), Areas of Outstanding Natural Beauty (AONB), National Parks (NP), Environmentally Sensitive Areas, Nitrate Sensitive Areas, Nitrate Vulnerable Zones and World Heritage Sites and Scheduled Ancient Woodland. These searches are conducted using radii of up to 2000m.

9. Natural Hazards

Provides information on a range of natural hazards that may pose a risk to the study site. These factors include natural ground subsidence and radon..

10. Mining

Provides information on areas of coal and non-coal mining and brine affected areas.

11. Contacts

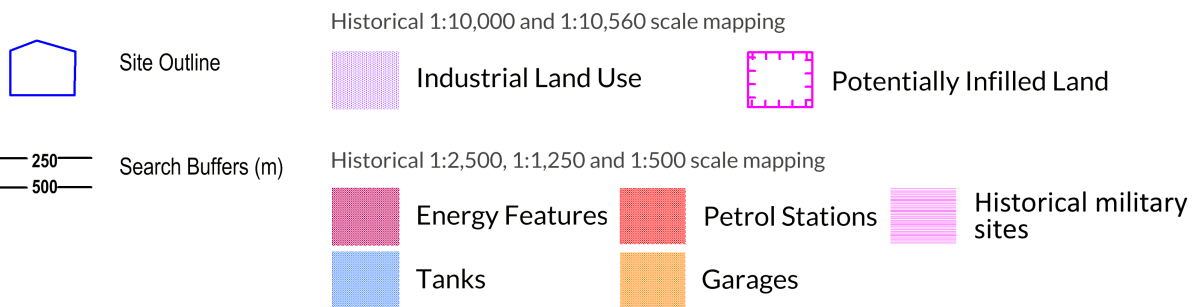
This section of the report provides contact points for statutory bodies and data providers that may be able to provide further information on issues raised within this report. Alternatively, Groundsure provide a free Technical Helpline (08444 159000) for further information and guidance.

Note: Maps

Only certain features are placed on the maps within the report. All features represented on maps found within this search are given an identification number. This number identifies the feature on the mapping and correlates it to the additional information provided below. This identification number precedes all other information and takes the following format -Id: 1, Id: 2, etc. Where numerous features on the same map are in such close proximity that the numbers would obscure each other a letter identifier is used instead to represent the features. (e.g. Three features which overlap may be given the identifier "A" on the map and would be identified separately as features 1A, 3A, 10A on the data tables provided).

Where a feature is reported in the data tables to a distance greater than the map area, it is noted in the data table as "Not Shown".

All distances given in this report are in Metres (m). Directions are given as compass headings such as N: North, E: East, NE: North East from the nearest point of the study site boundary.



1. Historical Industrial Sites

1.1 Potentially Contaminative Uses identified from 1:10,000 scale Mapping

The systematic analysis of data extracted from standard 1:10,560 and 1:10,000 scale historical maps provides the following information:

Records of sites with a potentially contaminative past land use within 500m of the search boundary: 155

ID	Distance [m]	Direction	Use	Date
1B	0	On Site	Nursery	1973
2AE	0	On Site	Unspecified Heap	1981
3	0	On Site	Unspecified Heap	1981
4AF	0	On Site	Unspecified Heap	1981
5A	0	On Site	Unspecified Heap	1907
6A	0	On Site	Unspecified Heap	1961
7B	0	On Site	Nursery	1968
8AA	0	On Site	Unspecified Tank	1907
9AG	47	E	Cuttings	1988
10C	52	N	Unspecified Heap	1907
11C	52	N	Unspecified Heap	1932
12C	52	N	Unspecified Heap	1940
13C	52	N	Unspecified Heap	1895
14E	54	SE	Unspecified Works	1961
15D	56	SE	Unspecified Works	1968
16D	56	SE	Unspecified Works	1973
17E	56	SE	Unspecified Quarry	1973
18E	56	SE	Unspecified Quarry	1968
19E	62	SE	Unspecified Works	1983
20E	62	SE	Unspecified Works	1987
21E	62	SE	Unspecified Quarry	1983
22E	62	SE	Unspecified Quarry	1987
23C	66	N	Unspecified Heap	1940
24C	66	N	Unspecified Heap	1932
25C	66	N	Unspecified Heap	1907
26E	68	SE	Unspecified Quarry	1961
27F	72	NE	Tunnel	1961
28F	72	NE	Tunnel	1967
29F	72	NE	Tunnel	1988
30E	74	SE	Lime Works	1936
31AI	81	NE	Unspecified Heap	1907
32AD	94	N	Unspecified Depot	1988
33E	107	SE	Lime Works	1907
34G	108	E	Unspecified Pit	1973

35G	108	E	Unspecified Pit	1983
36G	108	E	Unspecified Pit	1987
37G	108	E	Unspecified Pit	1968
38G	108	E	Unspecified Pit	1961
39G	111	E	Unspecified Pit	1938
40G	111	E	Unspecified Pit	1938
41G	112	E	Unspecified Pit	1907
42G	112	E	Old Chalk Pit	1895
43G	112	E	Unspecified Quarry	1869
44G	112	E	Unspecified Pit	1932
45G	112	E	Unspecified Pit	1940
46H	126	NE	Tunnel	1938
47H	127	NE	Tunnel	1907
48H	127	NE	Tunnel	1932
49H	127	NE	Tunnel	1895
50H	127	NE	Tunnel	1940
51H	127	NE	Tunnel	1869
52E	128	SE	Railway Sidings	1961
53AJ	138	NE	Cuttings	1988
54E	141	SE	Railway Sidings	1936
55G	146	E	Cuttings	1987
56I	147	E	Cuttings	1988
57I	147	E	Cuttings	1961
58I	147	E	Cuttings	1967
59I	148	E	Cuttings	1938
60K	148	S	Unspecified Old Quarry	1895
61I	149	E	Cuttings	1895
62I	149	E	Cuttings	1907
63I	149	E	Cuttings	1936
64J	152	E	Tunnel	1938
65J	152	E	Tunnel	1907
66J	152	E	Tunnel	1936
67I	153	E	Cuttings	1868
68K	154	S	Unspecified Pit	1961
69K	154	S	Unspecified Pit	1981
70K	156	S	Unspecified Old Quarry	1907
71K	158	S	Unspecified Pit	1936
72K	159	S	Unspecified Quarry	1869
73E	163	SE	Railway Sidings	1936
74D	164	SE	Lime Works	1895
75D	164	SE	Unspecified Quarry	1895
76D	166	SE	Unspecified Quarry	1869
77L	167	S	Unspecified Ground Workings	1907
78L	168	S	Unspecified Ground Workings	1869

79E	175	SE	Kilns	1907
80M	192	N	Unspecified Heap	1932
81M	193	N	Unspecified Heap	1907
82M	193	N	Unspecified Heap	1938
83M	193	N	Unspecified Heap	1938
84M	194	N	Unspecified Pit	1869
85M	194	N	Unspecified Heap	1940
86M	194	N	Unspecified Ground Workings	1961
87M	195	N	Unspecified Heaps	1895
88K	210	SE	Unspecified Tank	1981
89E	215	SE	Lime Kilns	1869
90N	225	E	Unspecified Heap	1983
91N	225	E	Unspecified Heap	1987
92N	225	E	Unspecified Heap	1973
93O	237	S	Unspecified Pit	1895
94O	253	S	Unspecified Pit	1869
95P	274	E	Unspecified Heap	1868
96P	283	SE	Railway Building	1936
97	284	E	Electricity Substation	1988
98P	302	E	Unspecified Heap	1961
99P	302	E	Unspecified Heap	1988
100P	302	E	Unspecified Heap	1967
101P	306	E	Unspecified Heap	1907
102P	306	E	Unspecified Heap	1895
103P	306	E	Unspecified Heap	1936
104P	307	E	Unspecified Heap	1938
105P	307	E	Unspecified Heap	1938
106Q	328	E	Cuttings	1936
107Q	328	E	Cuttings	1895
108Q	328	E	Cuttings	1869
109Q	333	E	Cuttings	1907
110R	335	W	Unspecified Pit	1961
111R	335	W	Unspecified Pit	1981
112R	336	W	Unspecified Ground Workings	1936
113R	336	W	Unspecified Ground Workings	1869
114R	336	W	Unspecified Ground Workings	1895
115R	337	W	Unspecified Ground Workings	1907
116Q	341	E	Cuttings	1961
117S	342	SE	Cuttings	1895
118S	342	SE	Cuttings	1936
119S	342	SE	Cuttings	1907
120S	346	SE	Cuttings	1938

121Q	349	E	Cuttings	1983
122Q	349	E	Cuttings	1973
123Q	349	E	Cuttings	1987
124T	351	SE	Cuttings	1973
125T	351	SE	Cuttings	1961
126T	351	SE	Cuttings	1987
127T	351	SE	Cuttings	1968
128T	351	SE	Cuttings	1983
129U	352	SW	Unspecified Heap	1981
130U	352	SW	Unspecified Heap	1961
131T	353	SE	Cuttings	1868
132V	380	S	Unspecified Ground Workings	1961
133V	380	S	Unspecified Ground Workings	1981
134W	382	E	Cuttings	1961
135W	387	E	Cuttings	1868
136S	390	E	Cuttings	1973
137S	390	E	Cuttings	1987
138S	390	E	Cuttings	1983
139S	390	E	Cuttings	1968
140Q	407	E	Cuttings	1968
141Z	416	E	Unspecified Ground Workings	1968
142X	417	E	Burial Ground	1973
143X	417	E	Burial Ground	1968
144	423	W	Unspecified Works	1981
145Y	435	E	Cuttings	1895
146Y	436	E	Cuttings	1907
147Y	436	E	Cuttings	1938
148Y	436	E	Cuttings	1948
149Z	449	SE	Unspecified Tank	1973
150AK	454	E	Unspecified Quarry	1968
151	458	NW	Corn Windmill	1869
152X	475	E	Unspecified Tank	1987
153X	475	E	Unspecified Tank	1983
154X	475	E	Unspecified Tank	1973
155AL	499	E	Brick Kiln	1868

1.2 Additional Information – Historical Tank Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical tanks within 500m of the search boundary:

10

ID	Distance (m)	Direction	Use	Date
156AA	0	On Site	Unspecified Tank	1909
157AB	3	E	Unspecified Tank	1961
158AB	3	E	Unspecified Tank	1981
159L	171	S	Tank or Trough	1869
160O	248	S	Tank or Trough	1869
161Z	456	SE	Unspecified Tank	1968
162X	484	E	Unspecified Tank	1988
163X	484	E	Unspecified Tank	1989
164X	487	E	Unspecified Tank	1997
165X	488	E	Unspecified Tank	1981

1.3 Additional Information – Historical Energy Features Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical energy features within 500m of the search boundary:

11

ID	Distance (m)	Direction	Use	Date
166AA	0	On Site	Electricity Substation	1984
167AA	0	On Site	Electricity Substation	1997
168AB	11	W	Electricity Substation	1981
169AB	12	W	Electricity Substation	1997
170AB	13	W	Electricity Substation	1988
171AB	13	W	Electricity Substation	1989
172AC	238	E	Electricity Substation	1988
173AC	238	E	Electricity Substation	1989
174AC	239	E	Electricity Substation	1968
175AC	240	E	Electricity Substation	1992
176P	286	SE	Electricity Substation	1997

1.4 Additional Information – Historical Petrol and Fuel Site Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical petrol stations and fuel sites within 500m of the search boundary:

0

Database searched and no data found.

1.5 Additional Information – Historical Garage and Motor Vehicle Repair Database

The systematic analysis of data extracted from High Detailed 1:1,250 and 1:2,500 scale historical maps provides the following information.

Records of historical garage and motor vehicle repair sites within 500m of the search boundary: 3

ID	Distance (m)	Direction	Use	Date
177AD	86	N	Garage	1961
178AD	138	NW	Garage	1997
179AD	146	NW	Garage	1984

1.6 Historical military sites

Certain military installations were not noted on historic mapping for security reasons. Whilst not all military land is necessarily of concern, Groundsure has researched and digitised a number of Ordnance Factories and other military industrial features (e.g. Ordnance Depots, Munitions Testing Grounds) which may be of contaminative concern. This research was drawn from a number of different sources, and should not be regarded as a definitive or exhaustive database of potentially contaminative military installations. The boundaries of sites within this database have been estimated from the best evidence available to Groundsure at the time of compilation.

Records of historical military sites within 500m of the search boundary: 1

ID	Distance (m)	Direction	Site Name	Date of operation	Activities
324	0	On Site	Fort Halstead - Defence Science and Technology Laboratory	1915 – present day	Atomic bomb trigger mechanism developments between 1940s and 1950s, nuclear weapons development - -

1.7 Potentially Infilled Land

Records of Potentially Infilled Features from 1:10,000 scale mapping within 500m of the study site: 144

The following Historical Potentially Infilled Features derived from the Historical Mapping information is provided by Groundsure:

ID	Distance(m)	Direction	Use	Date
180AE	0	On Site	Unspecified Heap	1981
181AE	0	On Site	Unspecified Heap	1981
182AF	0	On Site	Unspecified Heap	1981
183A	0	On Site	Unspecified Heap	1907
184A	0	On Site	Unspecified Heap	1961
185AG	47	E	Cuttings	1988
186AH	47	SE	Pond	1968
187AH	47	SE	Pond	1983

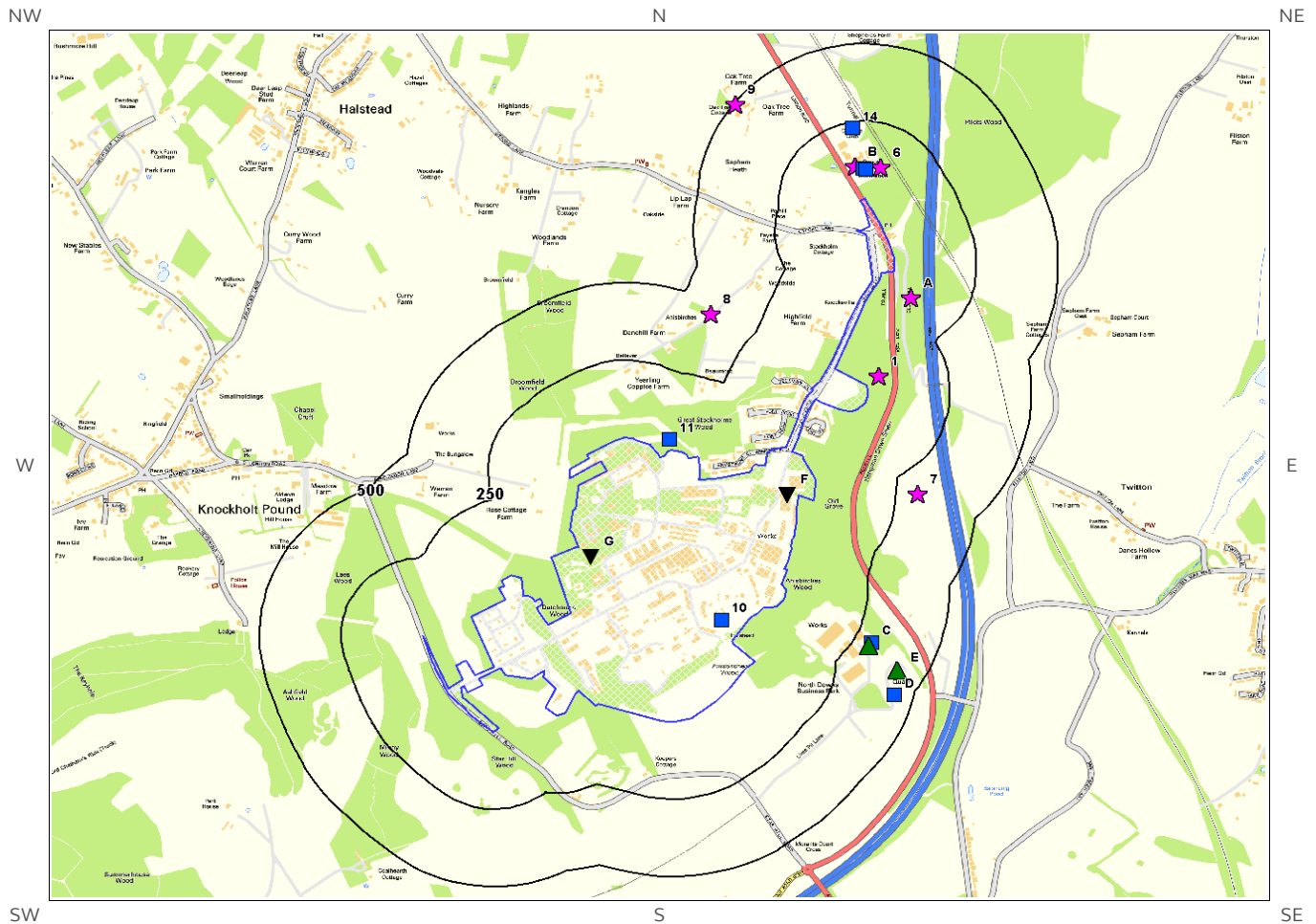
188AH	47	SE	Pond	1973
189AH	47	SE	Pond	1987
190C	52	N	Unspecified Heap	1932
191C	52	N	Unspecified Heap	1907
192C	52	N	Unspecified Heap	1940
193AI	52	N	Unspecified Heap	1895
194E	56	SE	Unspecified Quarry	1973
195E	56	SE	Unspecified Quarry	1968
196E	62	SE	Unspecified Quarry	1983
197E	62	SE	Unspecified Quarry	1987
198AI	66	N	Unspecified Heap	1932
199AI	66	N	Unspecified Heap	1940
200AI	66	N	Unspecified Heap	1907
201E	68	SE	Unspecified Quarry	1961
202F	72	NE	Tunnel	1988
203F	72	NE	Tunnel	1961
204F	72	NE	Tunnel	1967
205AI	81	NE	Unspecified Heap	1907
206G	108	E	Unspecified Pit	1987
207G	108	E	Unspecified Pit	1968
208G	108	E	Unspecified Pit	1973
209G	108	E	Unspecified Pit	1983
210G	108	E	Unspecified Pit	1961
211G	111	E	Unspecified Pit	1938
212G	111	E	Unspecified Pit	1938
213G	112	E	Unspecified Pit	1907
214G	112	E	Unspecified Pit	1932
215G	112	E	Unspecified Quarry	1869
216G	112	E	Unspecified Pit	1940
217G	112	E	Old Chalk Pit	1895
218H	126	NE	Tunnel	1938
219H	127	NE	Tunnel	1932
220H	127	NE	Tunnel	1907
221H	127	NE	Tunnel	1895
222H	127	NE	Tunnel	1940
223H	127	NE	Tunnel	1869
224AJ	138	NE	Cuttings	1988
225G	146	E	Cuttings	1987
226I	147	E	Cuttings	1988
227I	147	E	Cuttings	1961
228I	147	E	Cuttings	1967
229I	148	E	Cuttings	1938
230K	148	S	Unspecified Old Quarry	1895
231I	149	E	Cuttings	1907
232I	149	E	Cuttings	1936
233I	149	E	Cuttings	1895

234J	152	E	Tunnel	1938
235J	152	E	Tunnel	1907
236J	152	E	Tunnel	1936
237I	153	E	Cuttings	1868
238K	154	S	Unspecified Pit	1981
239K	154	S	Unspecified Pit	1961
240K	156	S	Unspecified Old Quarry	1907
241K	158	S	Unspecified Pit	1936
242K	159	S	Unspecified Quarry	1869
243E	164	SE	Unspecified Quarry	1895
244E	166	SE	Unspecified Quarry	1869
245L	167	S	Unspecified Ground Workings	1907
246L	168	S	Unspecified Ground Workings	1869
247K	175	S	Pond	1961
248M	192	N	Unspecified Heap	1932
249M	193	N	Unspecified Heap	1907
250M	193	N	Unspecified Heap	1938
251M	193	N	Unspecified Heap	1938
252M	194	N	Unspecified Pit	1869
253M	194	N	Unspecified Heap	1940
254M	194	N	Unspecified Ground Workings	1961
255M	195	N	Unspecified Heaps	1895
256M	203	N	Air Shaft	1988
257M	203	N	Air Shaft	1967
258M	205	N	Air Shaft	1869
259M	206	N	Air Shaft	1938
260M	206	N	Air Shaft	1940
261M	206	N	Air Shaft	1907
262M	206	N	Air Shaft	1932
263M	206	N	Air Shaft	1895
264M	207	N	Air Shaft	1961
265N	225	E	Unspecified Heap	1973
266N	225	E	Unspecified Heap	1987
267N	225	E	Unspecified Heap	1983
268O	237	S	Unspecified Pit	1895
269O	253	S	Unspecified Pit	1869
270P	274	E	Unspecified Heap	1868
271P	302	E	Unspecified Heap	1967
272P	302	E	Unspecified Heap	1961
273P	302	E	Unspecified Heap	1988
274P	306	E	Unspecified Heap	1895
275P	306	E	Unspecified Heap	1936
276P	306	E	Unspecified Heap	1907
277P	307	E	Unspecified Heap	1938














278P	307	E	Unspecified Heap	1938
279Q	328	E	Cuttings	1869
280Q	328	E	Cuttings	1895
281Q	328	E	Cuttings	1936
282Q	333	E	Cuttings	1907
283R	335	W	Unspecified Pit	1961
284R	335	W	Unspecified Pit	1981
285R	336	W	Unspecified Ground Workings	1936
286R	336	W	Unspecified Ground Workings	1895
287R	336	W	Unspecified Ground Workings	1869
288R	337	W	Unspecified Ground Workings	1907
289Q	341	E	Cuttings	1961
290S	342	SE	Cuttings	1936
291S	342	SE	Cuttings	1907
292S	342	SE	Cuttings	1895
293S	346	SE	Cuttings	1938
294Q	349	E	Cuttings	1973
295Q	349	E	Cuttings	1987
296Q	349	E	Cuttings	1983
297T	351	SE	Cuttings	1968
298T	351	SE	Cuttings	1973
299T	351	SE	Cuttings	1983
300T	351	SE	Cuttings	1987
301T	351	SE	Cuttings	1961
302U	352	SW	Unspecified Heap	1961
303U	352	SW	Unspecified Heap	1981
304T	353	SE	Cuttings	1868
305Z	368	SE	Reservoir	1907
306V	380	S	Unspecified Ground Workings	1981
307V	380	S	Unspecified Ground Workings	1961
308W	382	E	Cuttings	1961
309W	387	E	Cuttings	1868
310S	390	E	Cuttings	1973
311S	390	E	Cuttings	1968
312S	390	E	Cuttings	1987
313S	390	E	Cuttings	1983
314X	407	E	Cuttings	1968
315Z	416	E	Unspecified Ground Workings	1968
316X	417	E	Burial Ground	1973
317X	417	E	Burial Ground	1968
318Y	435	E	Cuttings	1895

319Y	436	E	Cuttings	1907
320Y	436	E	Cuttings	1938
321Y	436	E	Cuttings	1948
322AK	454	E	Unspecified Quarry	1968
323AL	499	E	Brick Kiln	1868

2. Environmental Permits, Incidents and Registers Map



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- | | | |
|---|---|--|
|  Site Outline |  Recorded Pollution Incident |  RAS 3 & 4 Authorisations |
|  Dangerous Substances (List 1) |  Dangerous Substances (List 2) |  Part A(1) Authorised Processes and Historic IPC Authorisations |
|  Water Industry Referrals |  Licenced Discharge Consents |  Part A(2) and Part B Authorised Processes |
|  Red List Discharge Consents |  COMAH / NIHHS Sites |  Sites Determined as Contaminated Land |
| |  Hazardous Substance Consents and Enforcements | |

2. Environmental Permits, Incidents and Registers

2.1 Industrial Sites Holding Licences and/or Authorisations

Searches of information provided by the Environment Agency/Natural Resources Wales and Local Authorities reveal the following information:

2.1.1 Records of historic IPC Authorisations within 500m of the study site:

0

Database searched and no data found.

2.1.2 Records of Part A(1) and IPPC Authorised Activities within 500m of the study site:

0

Database searched and no data found.

2.1.3 Records of Red List Discharge Consents (potentially harmful discharges to controlled waters) within 500m of the study site:

0

Database searched and no data found.

2.1.4 Records of List 1 Dangerous Substances Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.5 Records of List 2 Dangerous Substance Inventory Sites within 500m of the study site:

0

Database searched and no data found.

2.1.6 Records of Part A(2) and Part B Activities and Enforcements within 500m of the study site:

3

The following Part A(2) and Part B Activities are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
19C	303	SE	550352 159004	Address: Lancaster Plc, Lime Pit Lane, Dunton Green, Sevenoaks, Kent, TN13 2TL Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
20E	419	SE	550439 158925	Address: Hanson Concrete Batching, Lower Quarry, Limepit Lane, Dunton Green, Sevenoaks, Kent, TN13 2TL Process: Use of Bulk Cement Status: Historical Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified
21E	419	SE	550439 158925	Address: Hanson Readymix Concrete, Pilgrims Way, Sevenoaks, TN13 2TL Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B Enforcement: No Enforcement Notified Date of Enforcement: No Enforcement Notified Comment: No Enforcement Notified

2.1.7 Records of Category 3 or 4 Radioactive Substances Authorisations:

5

The following RAS Licence (3 or 4) records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
27F	0	On Site	550100 159500	Ministry Of Defence, Defence Research Agency, Fort Halstead, Sevenoaks, Kent, TN14 7BP	Ministry Of Defence	Disposal Of Radioactive Waste (was Rsa60 Section 6).	BB3786	Date of Approval: 25/6/1998 Effective from: 25/6/1998 Last date of update: 2015-01-01	Superseded By Variation
28F	0	On Site	550100 159500	Ministry Of Defence, Defence Research Agency, Fort Halstead, Sevenoaks, Kent, TN14 7BP	Ministry Of Defence	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AY5701	Date of Approval: 6/8/1997 Effective from: 6/8/1997 Last date of update: 2015-01-01	Superseded By Variation

ID	Distance (m)	Direction	NGR	Address	Operator	Type	Permission Number	Dates	Status
29F	0	On Site	550100 159500	Ministry Of Defence, Defence Research Agency, Fort Halstead, Sevenoaks, Kent, TN14 7BP	Ministry Of Defence	Disposal Of Radioactive Waste (was Rsa60 Section 6).	AM5785	Date of Approval:13/5 /1994 Effective from:10/6/19 94 Last date of update:2015- 01-01	Supersede d By Variation
30F	0	On Site	550100 159500	Ministry Of Defence, Dra Fort Halstead (rarde),fort Halstead, Sevenoaks, Kent, TN14 7BP	Ministry Of Defence	Keeping And Use Of Radioactive Materials (was Rsa60 Section 1).	AY1480	Date of Approval:21/5 /1997 Effective from:21/5/19 97 Last date of update:2015- 01-01	Effective
31G	0	On Site	549500 159300	Qinetiq Ltd, Dstl Fort Halstead, Sevenoaks, Kent, TN14 7BP	Qinetiq Ltd	Disposal Of Radioactive Waste (was Rsa60 Section 6).	CA0417	Date of Approval:13/2 /2006 Effective from:13/2/20 06 Last date of update:2015- 01-01	Effective

2.1.8 Records of Licensed Discharge Consents within 500m of the study site:

9

The following Licensed Discharge Consents records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
10	0	On Site	549899 159092	Address: DSTL FORT HALSTEAD, SEVENOAKS, KENT, TN14 7BP Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD006490 Permit Version: 1 Receiving Water: GROUND WATERS VIA SOAKAWAY Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 10/02/2009 Effective Date: 10-Feb-2009 Revocation Date: -
11	35	N	549739 159675	Address: DEFENCE SCIENCE AND TECHNOLOGY, DEFENCE SCIENCE AND TECHNOLOGY, FORT HALSTEAD, SEVEN OAKS, KENT, TN14 7BP Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: NPSWQD006491 Permit Version: 1 Receiving Water: GROUNDWATERS VIA SOAKAWAY Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 02/02/2009 Effective Date: 02-Feb-2009 Revocation Date: -
12B	94	N	550341 160549	Address: 7 HOTEL DINER, LONDON ROAD, POLHILL, SEVENOAKS, KENT, TN14 7AA Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRBP3520XW Permit Version: 1 Receiving Water: LAND VIA BOREHOLES Status: NEW ISSUED UNDER EPR 2010 Issue date: 12/05/2010 Effective Date: 11-May-2010 Revocation Date: -

ID	Distance (m)	Direction	NGR	Details
13B	96	N	550333 160551	<p>Address: 7 HOTEL DINER, LONDON ROAD, POLHILL, SEVENOAKS, KENT, TN14 7AA Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRBP3520XW Permit Version: 1</p> <p>Receiving Water: LAND VIA BOREHOLES Status: NEW ISSUED UNDER EPR 2010 Issue date: 12/05/2010 Effective Date: 11-May-2010 Revocation Date: -</p>
14	230	N	550302 160682	<p>Address: CALCUTTA CLUB, LONDON ROAD, POLHILL, SEVENOAKS, KENT, TN14 7AA Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRHP3022XW Permit Version: 1</p> <p>Receiving Water: GROUNDWATER Status: REVOKED - UNSPECIFIED Issue date: 08/03/2011 Effective Date: 08-Mar-2011 Revocation Date: 30/12/2014</p>
15C	302	SE	550360 159020	<p>Address: JESSUPS LIME LOWER QUARRY, JESSUPS LIME LOWER QUARRY, PILGRIMS WAY, DUNTON GREEN, SEVENOAKS KENT, TN13 2TL Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: P10011 Permit Version: 2</p> <p>Receiving Water: INTO LAND Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21-Dec-2012 Revocation Date: -</p>
16C	302	SE	550360 159020	<p>Address: JESSUPS LIME LOWER QUARRY, JESSUPS LIME LOWER QUARRY, PILGRIMS WAY, DUNTON GREEN, SEVENOAKS KENT, TN13 2TL Effluent Type: SEWAGE DISCHARGES - UNSPECIFIED - NOT WATER COMPANY Permit Number: P10011 Permit Version: 1</p> <p>Receiving Water: INTO LAND Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 15/01/1990 Effective Date: 15-Jan-1990 Revocation Date: 20/12/2012</p>
17D	441	E	550430 158850	<p>Address: PREMIX PLANT, PILGRIMS WAY, PREMIX PLANT, PILGRIMS WAY, DUNTON GREEN, SEVENOAKS, KENT Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P04594 Permit Version: 1</p> <p>Receiving Water: INTO LAND Status: POST NRA LEGISLATION WHERE ISSUE DATE > 31-AUG-89 (HISTORIC ONLY) Issue date: 31/03/1993 Effective Date: 31-Mar-1993 Revocation Date: 20/12/2012</p>
18D	441	E	550430 158850	<p>Address: PREMIX PLANT, PILGRIMS WAY, PREMIX PLANT, PILGRIMS WAY, DUNTON GREEN, SEVENOAKS, KENT Effluent Type: TRADE DISCHARGES - SITE DRAINAGE Permit Number: P04594 Permit Version: 2</p> <p>Receiving Water: INTO LAND Status: VARIED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21-Dec-2012 Revocation Date: -</p>

2.1.9 Records of Water Industry Referrals (potentially harmful discharges to the public sewer) within 500m of the study site:

0

Database searched and no data found.

2.1.10 Records of Planning Hazardous Substance Consents and Enforcements within 500m of the study site:

0

Database searched and no data found.

2.2 Dangerous or Hazardous Sites

Records of COMAH & NIHHS sites within 500m of the study site:

0

Database searched and no data found.

2.3 Environment Agency/Natural Resources Wales Recorded Pollution Incidents

2.3.1 Records of National Incidents Recording System, List 2 within 500m of the study site:

9

The following NIRS List 2 records are represented as points on the Environmental Permits, Incidents and Registers Map:

ID	Distance (m)	Direction	NGR	Details
1	43	NE	550380 159880	Incident Date: 16-Jul-2003 Incident Identification: 174202 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
2A	99	SE	550480 160134	Incident Date: 15-Apr-2002 Incident Identification: 71881 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
3A	99	SE	550480 160134	Incident Date: 15-Apr-2002 Incident Identification: 71881 Pollutant: General Biodegradable Materials and Wastes Pollutant Description: Other General Biodegradable Material or Waste Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)
4B	109	N	550308 160559	Incident Date: 16-Mar-2003 Incident Identification: 143411 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
5B	109	N	550308 160559	Incident Date: 16-Mar-2003 Incident Identification: 143411 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
6	111	NE	550386 160556	Incident Date: 13-Dec-2002 Incident Identification: 126007 Pollutant: Specific Waste Materials Pollutant Description: Tyres Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
7	314	E	550500 159500	Incident Date: 21-Mar-2003 Incident Identification: 144957 Pollutant: Inert Materials and Wastes Pollutant Description: Construction and Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Distance (m)	Direction	NGR	Details	
Demolition Materials and Wastes					
8	394	NW	549864 160082	Incident Date: 04-Oct-2001 Incident Identification: 34592 Pollutant: Specific Waste Materials Pollutant Description: Asbestos	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
9	496	NW	549941 160759	Incident Date: 24-Jul-2003 Incident Identification: 177589 Pollutant: Specific Waste Materials Pollutant Description: Tyres	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

2.3.2 Records of National Incidents Recording System, List 1 within 500m of the study site:

0

Database searched and no data found.

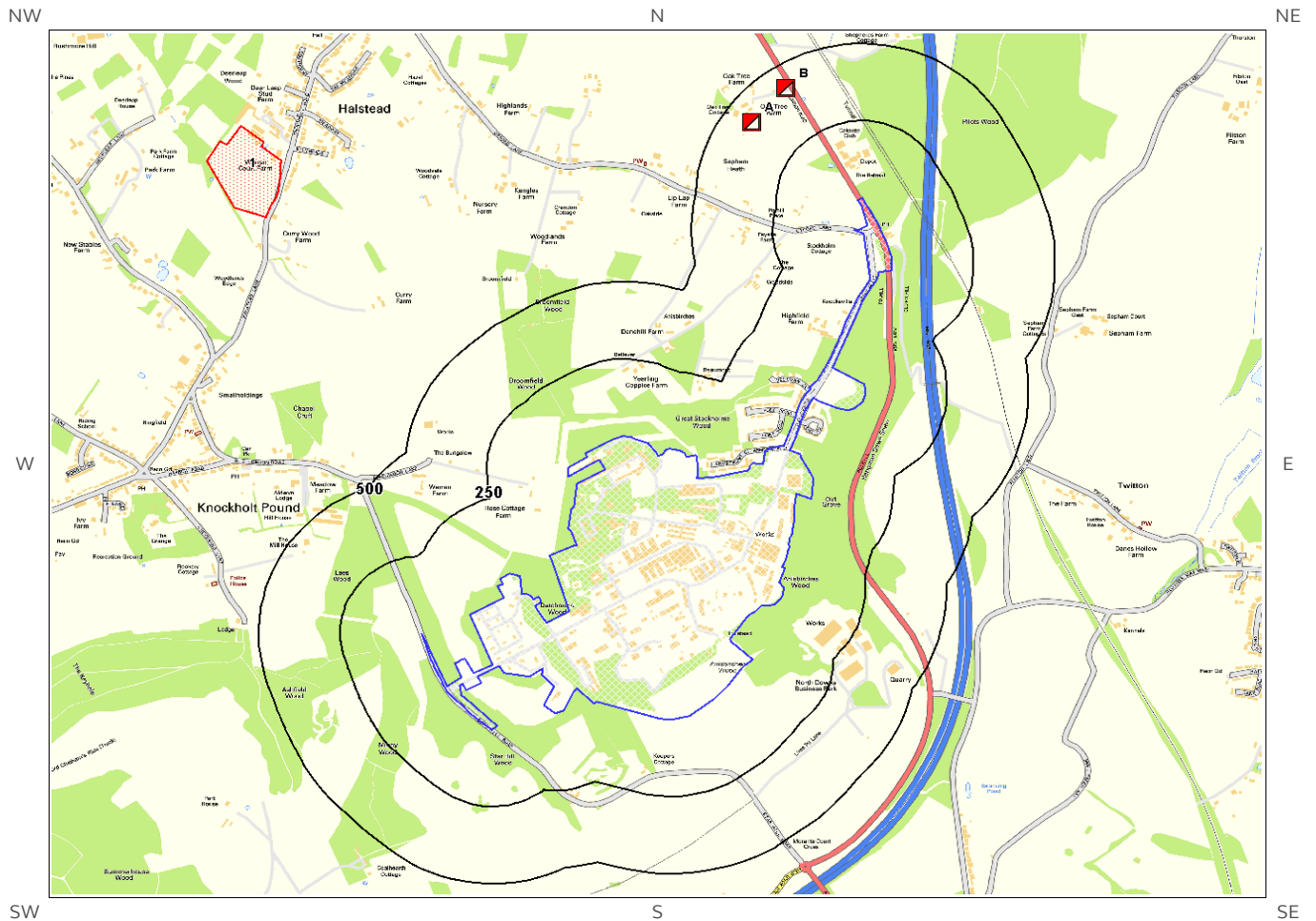
2.4 Sites Determined as Contaminated Land under Part 2A EPA 1990

Records of sites determined as contaminated land under Section 78R of the Environmental Protection Act 1990 are there within 500m of the study site










0

Database searched and no data found.

3. Landfill and Other Waste Sites Map



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- | | | | | | |
|---|---------------------------|---|---|---|----------------------------------|
|  | Site Outline |  | EA/NRW Active Landfill |  | Historic and Planned Waste Sites |
|  | EA/NRW Historic Landfill |  | EA/NRW Licensed Waste Site | | |
|  | BGS / DoE Survey Landfill |  | Local Authority/Historical Mapping Landfill Records | | |
|  | 250 | | | | |
|  | 500 | | | | |
| | Search Buffers (m) | | | | |

3. Landfill and Other Waste Sites

3.1 Landfill Sites

3.1.1 Records from Environment Agency/Natural Resources Wales landfill data within 1000m of the study site:

0

Database searched and no data found.

3.1.2 Records of Environment Agency/Natural Resources Wales historic landfill sites within 1500m of the study site:

1

The following landfill records are represented as either points or polygons on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
1	1232	NW	Site Address: Warren Court Farm, Knockholt Road, Halstead, Sevenoaks, Kent Waste Licence: Yes Site Reference: SE27, P/09/05, 2200/7333 Waste Type: Inert Environmental Permitting Regulations (Waste) Reference: -	Licence Issue: 01-Jan-1976 Licence Surrendered: Licence Holder Address: - Operator: - Licence Holder: J Butler First Recorded: 31-Dec-1978 Last Recorded: -

3.1.3 Records of BGS/DoE non-operational landfill sites within 1500m of the study site:

0

Database searched and no data found.

3.1.4 Records of Landfills from Local Authority and Historical Mapping Records within 1500m of the study site:

0

Database searched and no data found.

3.2 Other Waste Sites

3.2.1 Records of waste treatment, transfer or disposal sites within 500m of the study site:

0

Database searched and no data found.

3.2.2 Records of Environment Agency/Natural Resources Wales licensed waste sites within 1500m of the study site:

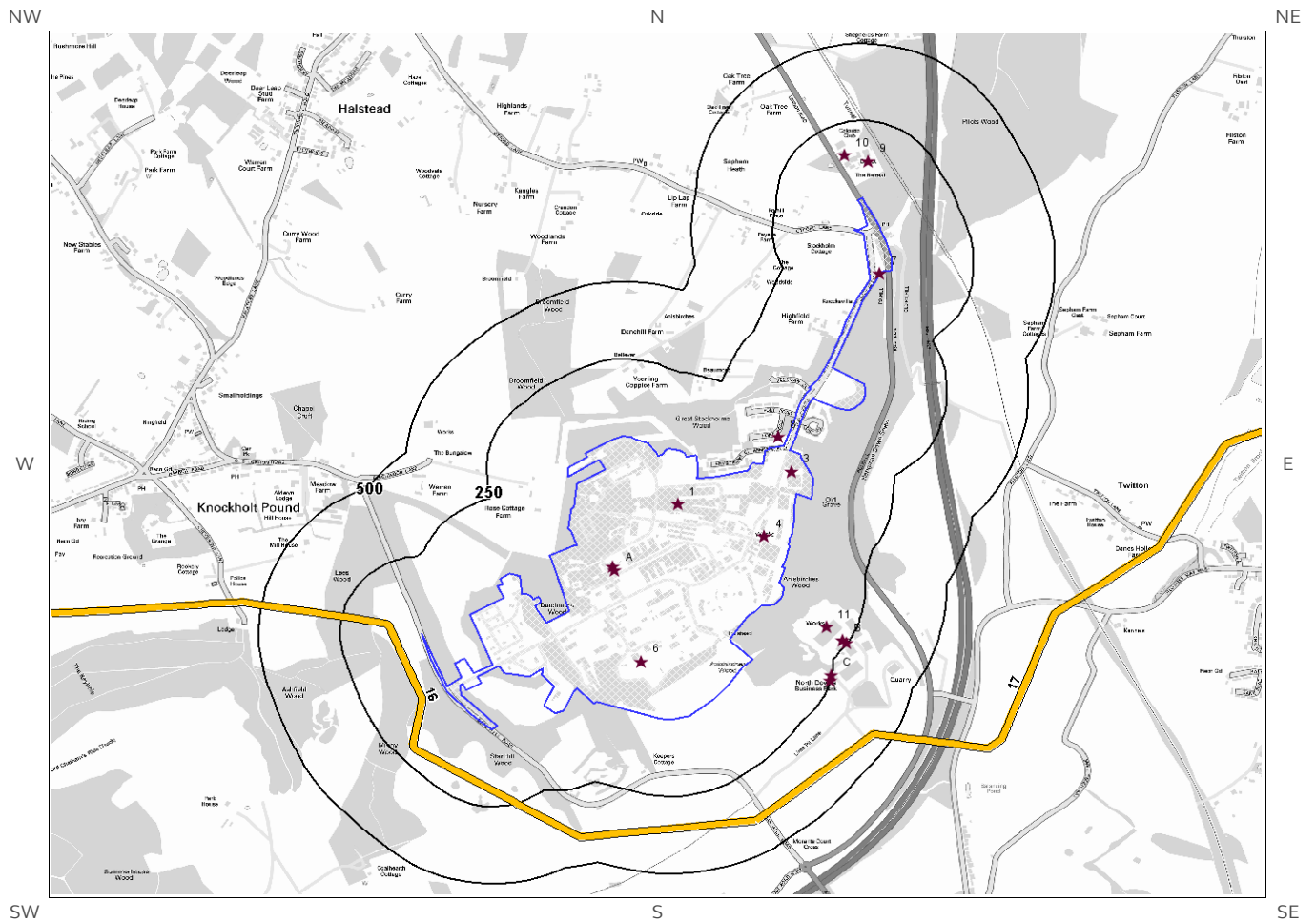
6

The following waste treatment, transfer or disposal sites records are represented as points on the Landfill and Other Waste Sites map:

ID	Distance (m)	Direction	NGR	Details
2A	413	NW	550000 160700	<p>Site Address: Oak Tree Farm Yard, London Road, Polhill, Halstead, Kent, TN14 7AB Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JBT004 EPR reference: EA/EPR/ZP3998EU/A001 Operator: J B Trading (U K) Ltd Waste Management licence No: 100421 Annual Tonnage: 74999.0</p> <p>Issue Date: 28/07/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: J B Waste Management & B K Skips Correspondence Address: -</p>
3A	413	NW	550000 160700	<p>Site Address: Oak Tree Farm Yard, London Road, Polhill, Halstead, Kent, TN14 7AB Type: Household, Commercial & Industrial Waste T Stn Size: < 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JBT004 EPR reference: - Operator: J B Trading (U K) Ltd Waste Management licence No: 100421 Annual Tonnage: 0.0</p> <p>Issue Date: 7/28/2008 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued Site Name: J B Waste Management & B K Skips Correspondence Address: Oak Tree Farm Yard, London Road, Polhill, Halstead, Kent, TN14 7AB</p>
4B	426	NW	550105 160811	<p>Site Address: Oak Tree Farm, London Road, Polhill, Halstead, Kent, TN14 7AB Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JBW001 EPR reference: EA/EPR/MB3839RR/V002 Operator: J B Waste Management, B K Skips, Recycled Crushed Materials, R C M (Halstead) L Waste Management licence No: 100421 Annual Tonnage: 75000.0</p> <p>Issue Date: 28/07/2008 Effective Date: 26/02/2013 Modified: 09/10/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Modified Site Name: Polhill Waste Transfer Station Correspondence Address: -</p>
5B	426	NW	550105 160811	<p>Site Address: Oak Tree Farm, London Road, Polhill, Halstead, Kent, TN14 7AB Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JBW001</p> <p>Issue Date: 28/07/2008 Effective Date: 27/07/2017 Modified: 09/10/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred</p>

ID	Distance (m)	Direction	NGR	Details
				<p>EPR reference: EA/EPR/FB3206XY/T001 Operator: B S P (Knockholt) Limited Waste Management licence No: 100421 Annual Tonnage: 75000.0</p> <p>Site Name: Oak Tree Farm Correspondence Address: -</p>
6B	426	NW	550105 160811	<p>Site Address: Oak Tree Farm, London Road, Polhill, Halstead, Kent, TN14 7AB Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JBW001 EPR reference: EA/EPR/FB3206XY/T001 Operator: B S P (knockholt) Limited Waste Management licence No: 100421 Annual Tonnage: 75000.0</p> <p>Issue Date: 28/07/2008 Effective Date: 27/07/2017 Modified: 09/10/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Oak Tree Farm Correspondence Address: -</p>
7B	426	NW	550105 160811	<p>Site Address: Oak Tree Farm, London Road, Polhill, Halstead, Kent, TN14 7AB Type: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes < 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JBW001 EPR reference: EA/EPR/FB3206XY/T001 Operator: J B Waste Management, B K Skips, R C M (Halstead) Ltd, B S P (Knockholt) Ltd Waste Management licence No: 100421 Annual Tonnage: 75000.0</p> <p>Issue Date: 28/07/2008 Effective Date: 27/07/2017 Modified: 09/10/2014 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred Site Name: Polhill Waste Transfer Station Correspondence Address: -</p>

4. Current Land Use Map



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Site Outline

★ Current Industrial Sites

— Electricity Transmission Cables

— 250 — Search Buffers (m)
— 500 —

● Petrol & Fuel Sites

— Gas Transmission Pipelines

4. Current Land Uses

4.1 Current Industrial Data

Records of potentially contaminative industrial sites within 250m of the study site:

15

The following records are represented as points on the Current Land Uses map.

ID	Distance (m)	Direction	Company	NGR	Address	Activity	Category
1	0	On Site	Works	549773 159463	Kent, TN14	Unspecified Works Or Factories	Industrial Features
2A	0	On Site	Chimney	549578 159249	Kent, TN14	Chimneys	Industrial Features
3	0	On Site	Tank	550120 159570	Kent, TN14	Tanks (Generic)	Industrial Features
4	0	On Site	Works	550037 159359	Kent, TN13	Unspecified Works Or Factories	Industrial Features
5A	0	On Site	Chimney	549572 159260	Kent, TN14	Chimneys	Industrial Features
6	0	On Site	Works	549659 158953	Kent, TN14	Unspecified Works Or Factories	Industrial Features
7	1	E	Electricity Sub Station	550391 160211	Kent, TN14	Electrical Features	Infrastructure and Facilities
8	27	W	Electricity Sub Station	550082 159681	Kent, TN14	Electrical Features	Infrastructure and Facilities
9	122	N	Depot	550358 160576	Kent, TN14	Container and Storage	Transport, Storage and Delivery
10	150	N	P J's Rent a Car	550284 160594	Polhill, Halstead, Sevenoaks, Kent, TN14 7AA	Vehicle Hire and Rental	Hire Services
11	167	SE	Works	550229 159065	Kent, TN13	Unspecified Works Or Factories	Industrial Features
12B	232	SE	Hanson UK	550278 159021	North Downs Business Park, Limepit Lane, Dunton Green, Sevenoaks, Kent, TN13 2TL	Concrete Products	Industrial Products
13C	245	E	Electricity Sub Station	550242 158910	Kent, TN13	Electrical Features	Infrastructure and Facilities
14B	245	SE	Farnborough Blinds	550289 159014	Unit 7 North Downs Business Park, Limepit Lane, Dunton Green, Sevenoaks, Kent, TN13 2TL	Curtains and Blinds	Consumer Products
15C	247	E	North Downs Business Park	550240 158890	Kent, TN13	Business Parks and Industrial Estates	Industrial Features

4.2 Petrol and Fuel Sites

Records of petrol or fuel sites within 500m of the study site:

0

Database searched and no data found.

4.3 National Grid High Voltage Underground Electricity Transmission Cables

This dataset identifies the high voltage electricity transmission lines running between generating power plants and electricity substations. The dataset does not include the electricity distribution network (smaller, lower voltage cables distributing power from substations to the local user network). This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high voltage underground electricity transmission cables within 500m of the study site:

0

Database searched and no data found.

4.4 National Grid High Pressure Gas Transmission Pipelines

This dataset identifies high-pressure, large diameter pipelines which carry gas between gas terminals, power stations, compressors and storage facilities. The dataset does not include the Local Transmission System (LTS) which supplies gas directly into homes and businesses. This information has been extracted from databases held by National Grid and is provided for information only with no guarantee as to its completeness or accuracy. National Grid do not offer any warranty as to the accuracy of the available data and are excluded from any liability for any such inaccuracies or errors.

Records of National Grid high pressure gas transmission pipelines within 500m of the study site:

2

The following National Grid high pressure gas transmission pipelines records are represented as linear features on the Current Land Use map:

ID	Distance (m)	Direction	Details
16	76	SW	Pipe Name: FM05 - Star Hill Rd I/J to Tatsfield Pipe Number: Feeder 5 Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): - Pipeline Diameter (mm): 750mm Wall Thickness (mm): -mm Year of commission: - Abandonment Status: Not Abandoned
17	388	SE	Pipe Name: FM05 - Farningham to Star Hill Rd I/J Pipe Number: Feeder 5 Pipeline Safety Regulations Number: - Ownership: National Grid Maximum Operating Pressure (Bar): - Pipeline Diameter (mm): 750mm Wall Thickness (mm): -mm Year of commission: - Abandonment Status: Not Abandoned

5. Geology

5.1 Artificial Ground and Made Ground

Database searched and no data found.

The database has been searched on site, including a 50m buffer.

5.2 Superficial Ground and Drift Geology

The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
CWF-XCZSV	CLAY-WITH-FLINTS FORMATION	CLAY, SILT, SAND AND GRAVEL

5.3 Bedrock and Solid Geology

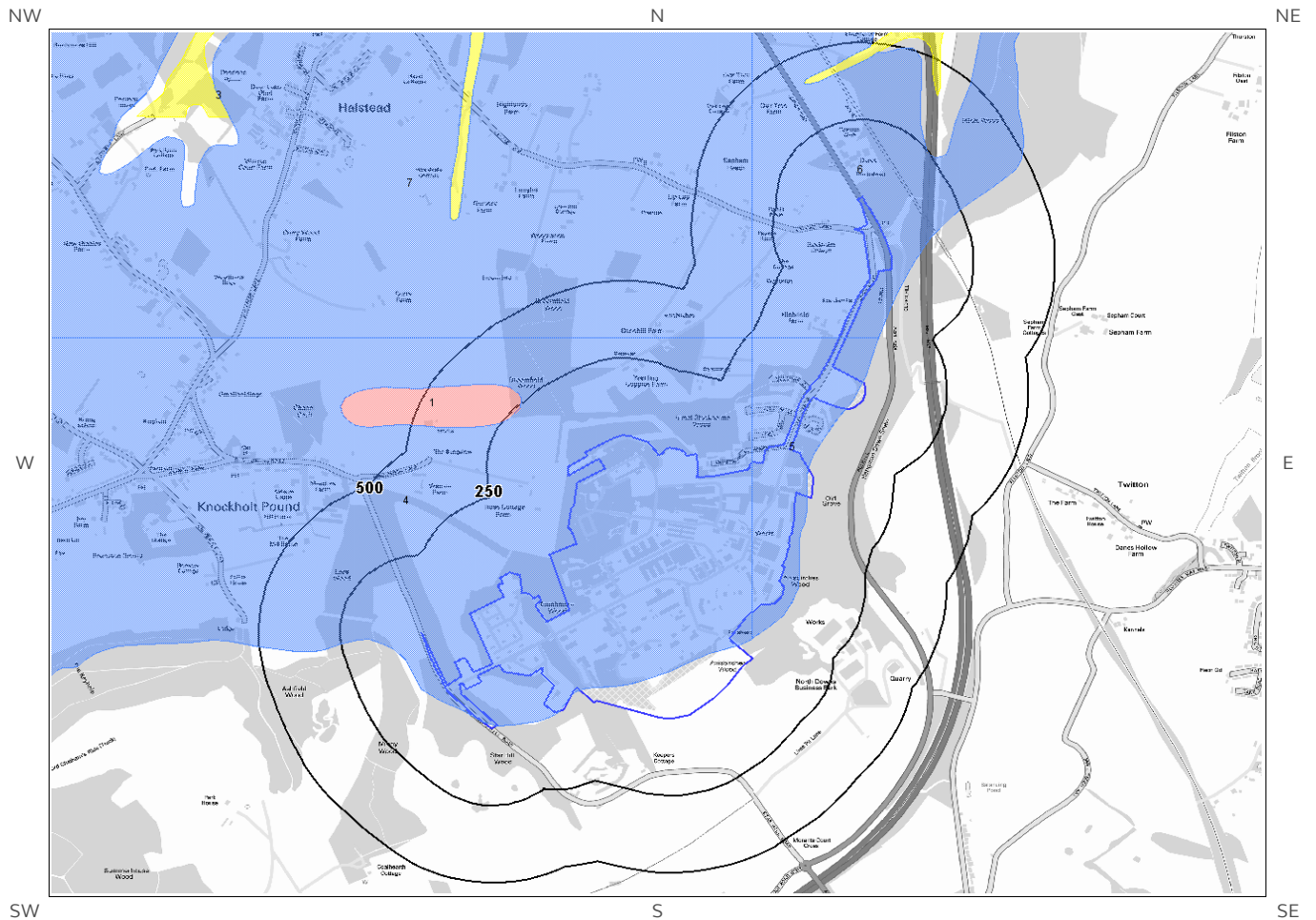
The database has been searched on site, including a 50m buffer.

Lex Code	Description	Rock Type
LECH-CHLK	LEWES NODULAR CHALK FORMATION	CHALK
LSNCK-CHLK	LEWES NODULAR CHALK FORMATION, SEAFORD CHALK FORMATION AND NEWHAVEN CHALK FORMATION (UNDIFFERENTIATED)	CHALK
HNCK-CHLK	HOLYWELL NODULAR CHALK FORMATION AND NEW PIT CHALK FORMATION (UNDIFFERENTIATED)	CHALK

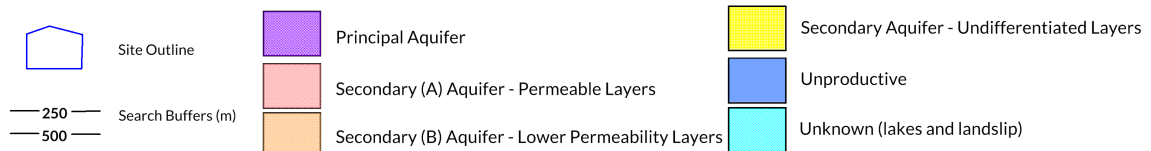
(Derived from the BGS 1:50,000 Digital Geological Map of Great Britain)

6 Hydrogeology and Hydrology

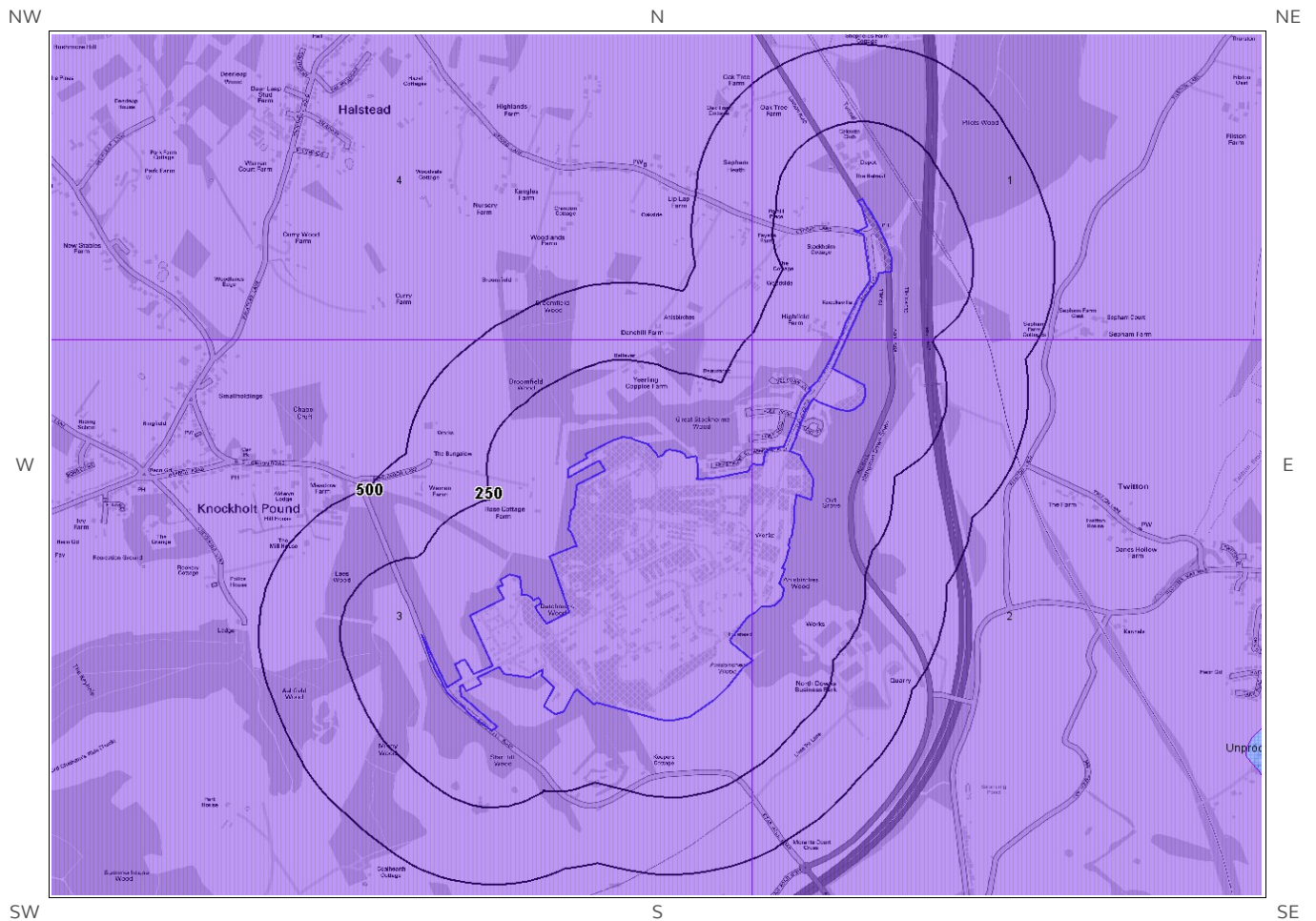
6a. Aquifer Within Superficial Geology



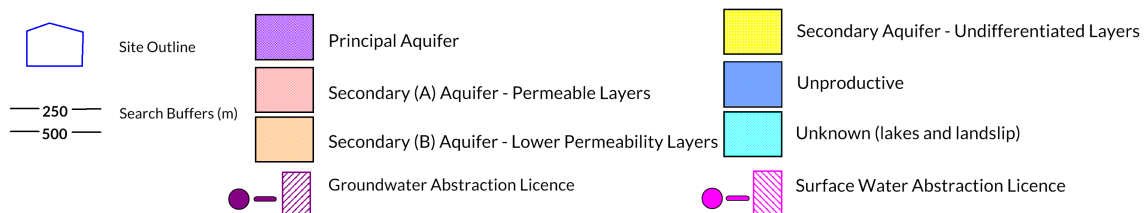
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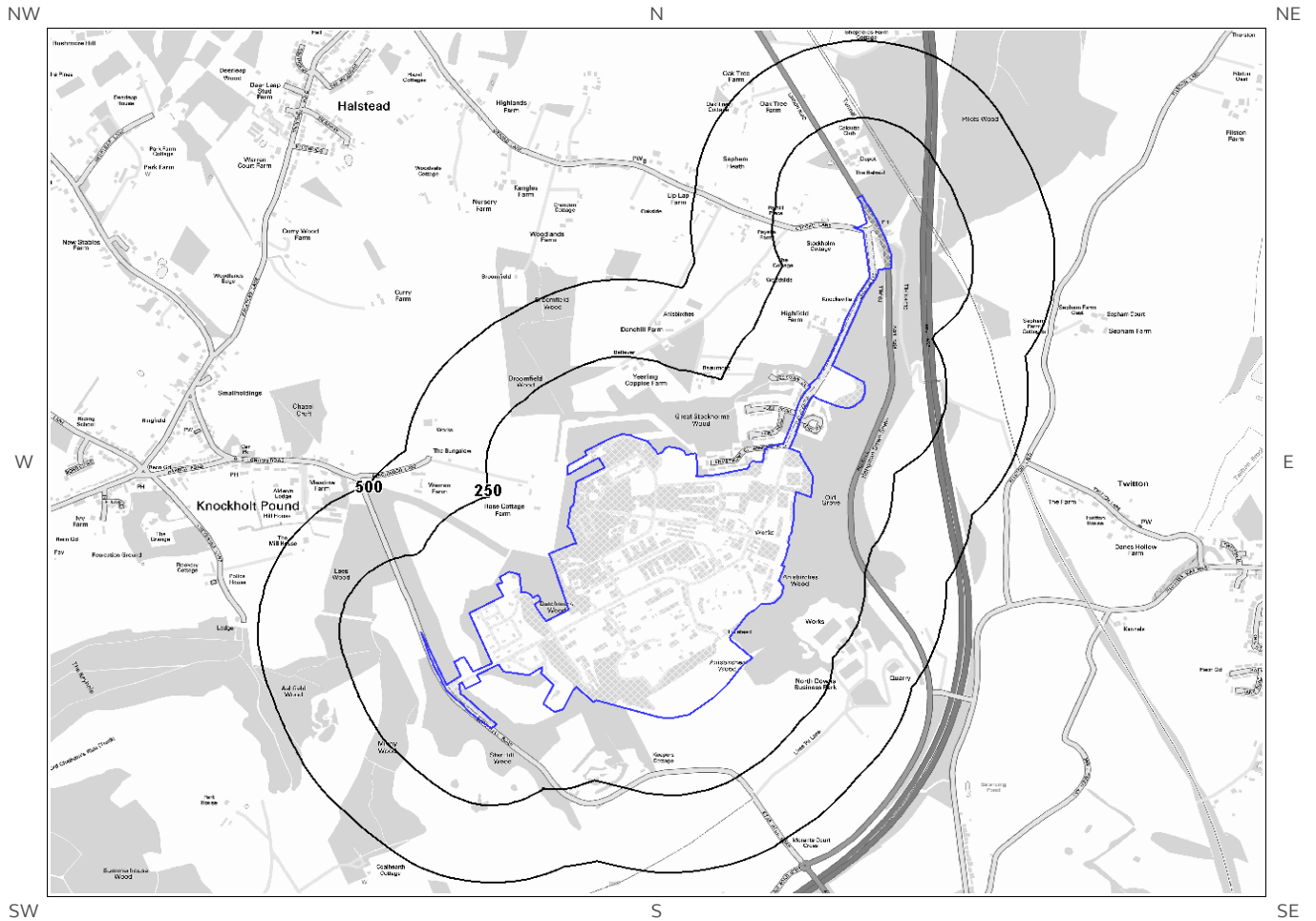
6b. Aquifer Within Bedrock Geology and Abstraction Licences



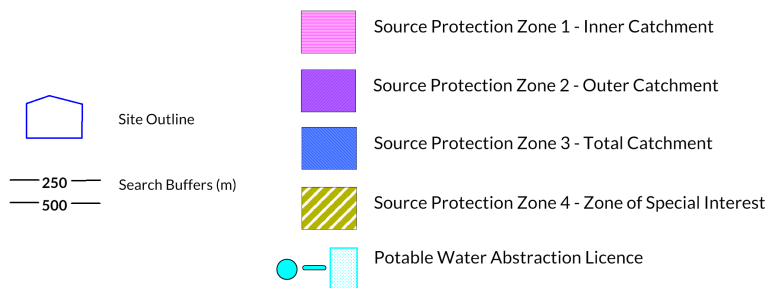
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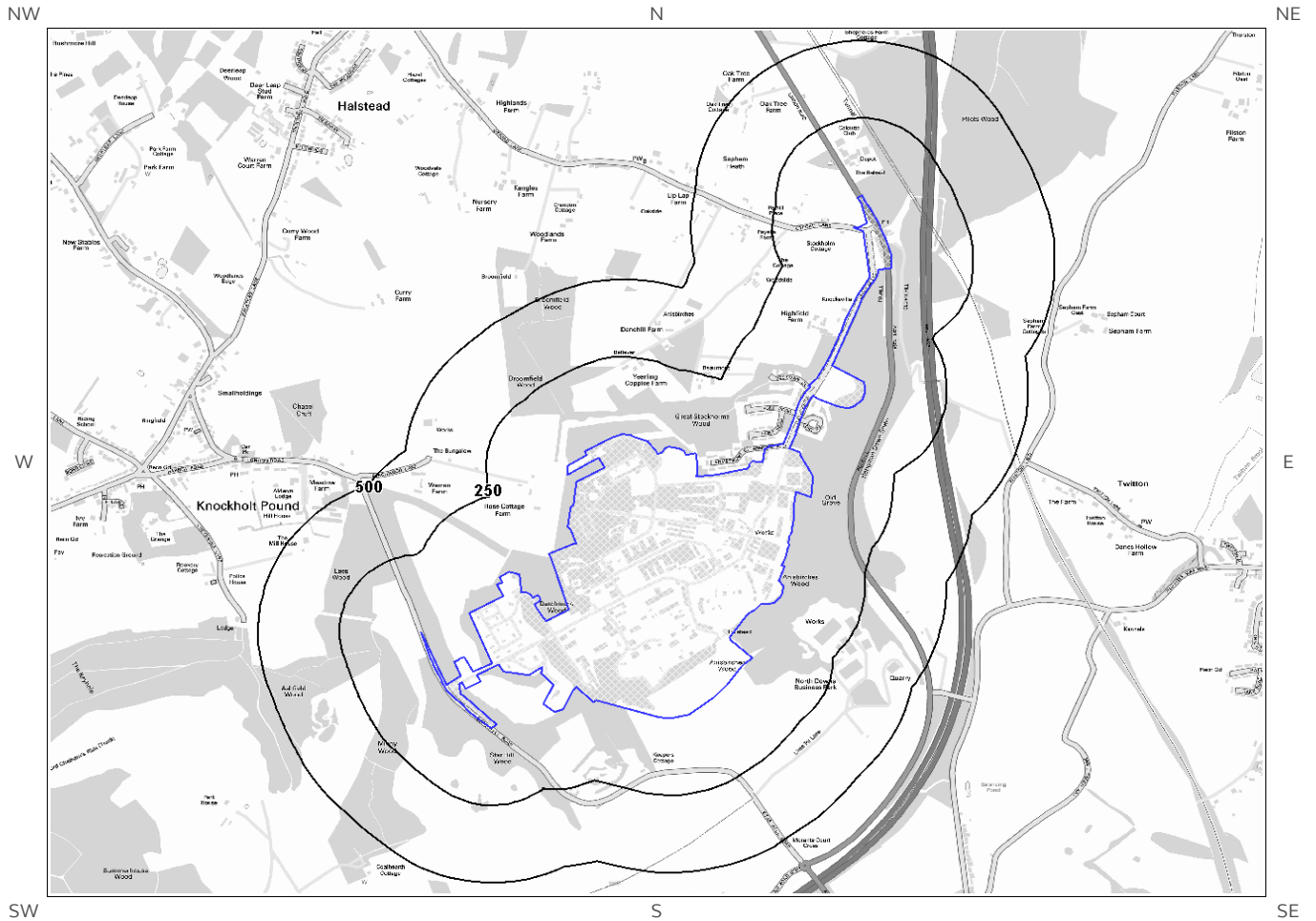
6c. Hydrogeology – Source Protection Zones and Potable Water Abstraction Licences



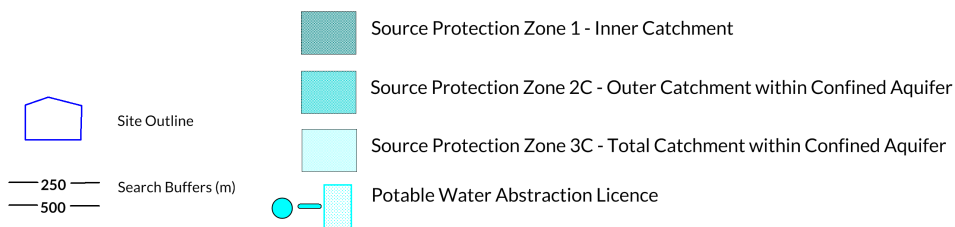
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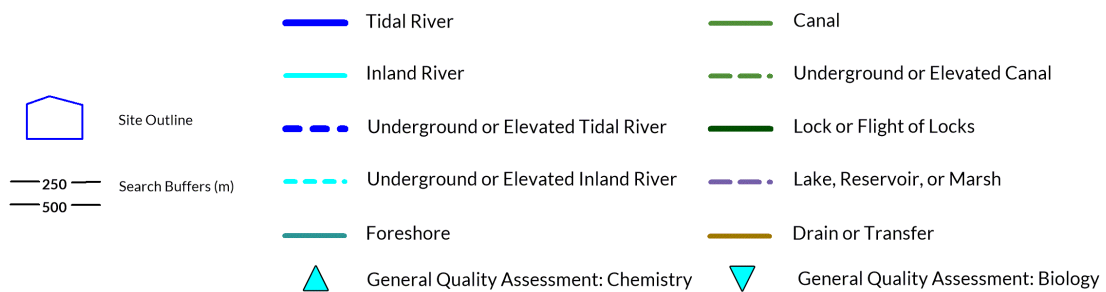
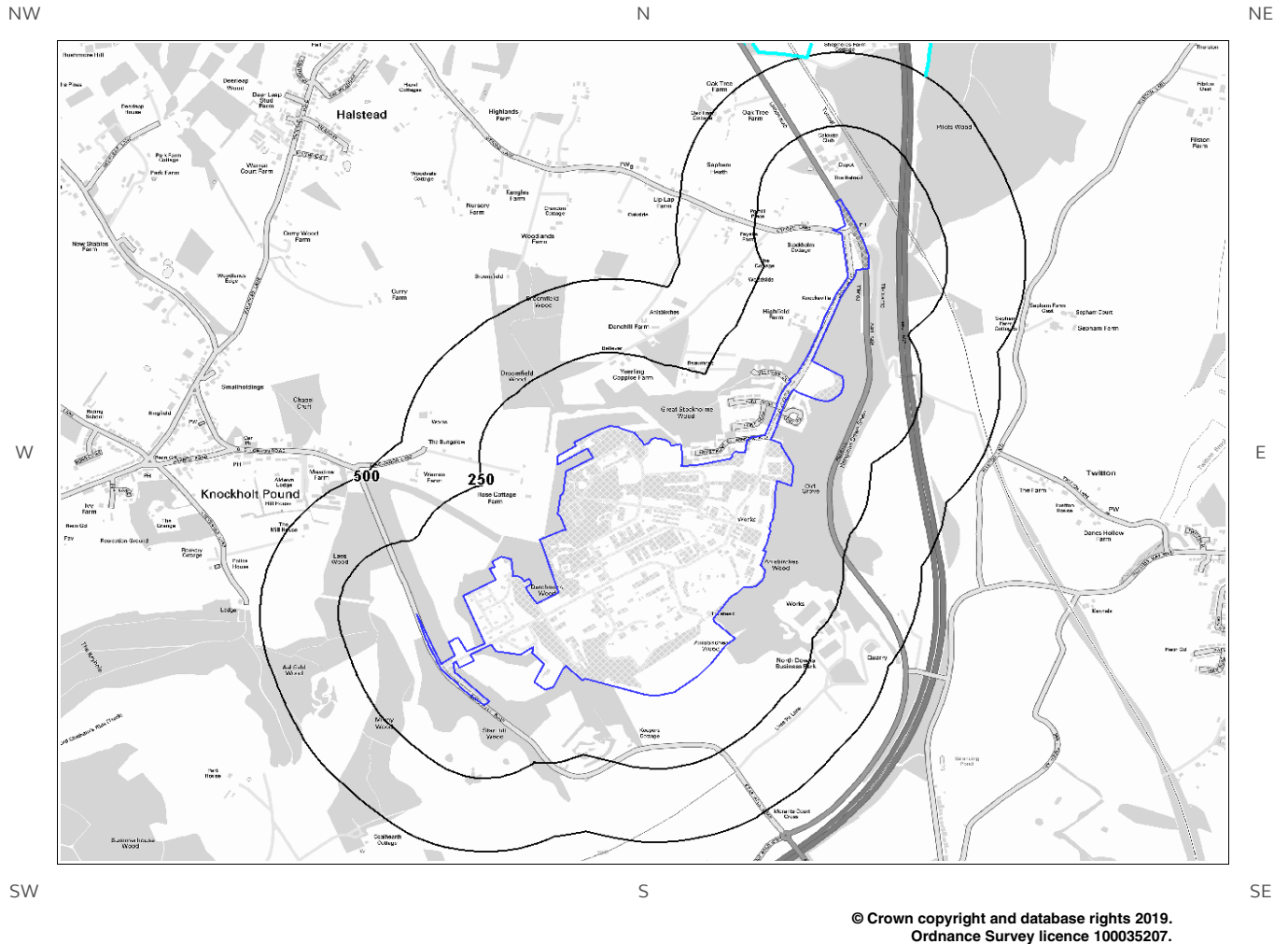
6d. Hydrogeology – Source Protection Zones within confined aquifer



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6e. Hydrology – Watercourse Network and River Quality



6. Hydrogeology and Hydrology

6.1 Aquifer within Superficial Deposits

Records of strata classification within the superficial geology at or in proximity to the property Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Superficial Geology Map (6a):

ID	Distance (m)	Direction	Designation	Description
4	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	0	On Site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
1	238	NW	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
7	238	NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
2	397	N	Secondary (undifferentiated)	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

6.2 Aquifer within Bedrock Deposits

Records of strata classification within the bedrock geology at or in proximity to the property Yes

From 1 April 2010, the Environment Agency/Natural Resources Wales's Groundwater Protection Policy has been using aquifer designations consistent with the Water Framework Directive. For further details on the designation and interpretation of this information, please refer to the Groundsure Enviro Insight User Guide.

The following aquifer records are shown on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	Designation	Description
1	0	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	0	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
3	0	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
4	238	NW	Principal	Geology of high intergranular and/or fracture permeability, usually providing a high

ID	Distance (m)	Direction	Designation	Description
				level of water storage and may support water supply/river base flow on a strategic scale. Generally principal aquifers were previously major aquifers

6.3 Groundwater Abstraction Licences

Groundwater Abstraction Licences within 2000m of the study site

Identified

The following Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	1103	SW	548680 157760	Status: Active Licence No: 9/40/01/0170/G Details: General Farming & Domestic Direct Source: Southern Region Groundwater Point: TWO CATCHPITS AT CHEVENING ESTATE, SEVENOAKS Data Type: Point Name: Trustees of the Chevening Estate Annual Volume (m³): 11819.8 Max Daily Volume (m³): 152.8 Original Application No: - Original Start Date: 02/05/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date:
Not shown	1103	SW	548680 157760	Status: Active Licence No: 9/40/01/0170/G Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Southern Region Groundwater Point: TWO CATCHPITS AT CHEVENING ESTATE, SEVENOAKS Data Type: Point Name: Trustees of the Chevening Estate Annual Volume (m³): 11819.8 Max Daily Volume (m³): 152.8 Original Application No: - Original Start Date: 02/05/1967 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date:

6.4 Surface Water Abstraction Licences

Surface Water Abstraction Licences within 2000m of the study site

Identified

The following Surface Water Abstraction Licences records are represented as points, lines and regions on the Aquifer within Bedrock Geology Map (6b):

ID	Distance (m)	Direction	NGR	Details
Not shown	1393	E	551800 160520	Status: Historical Licence No: 9/40/01/0052/SR Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: RIVER DARENT AT PARK FARM, OTFORD Data Type: Line Name: Lhermette Annual Volume (m³): 15911 Max Daily Volume (m³): 309.1 Application No: - Original Start Date: 21/02/1967 Expiry Date: - Issue No: 101 Version Start Date: 27/02/2017 Version End Date:
Not shown	1409	E	551820 160500	Status: Active Licence No: 9/40/01/0213 Details: Spray Irrigation - Storage Direct Source: Southern Region Surface Waters Point: RIVER DARENT AT SHOREHAM, KENT Data Type: Point Name: The Darent Valley Golf Course Ltd Annual Volume (m³): 2273 Max Daily Volume (m³): 164 Application No: - Original Start Date: 12/10/1980 Expiry Date: - Issue No: 100 Version Start Date: 27/02/2017 Version End Date:

6.5 Potable Water Abstraction Licences

Potable Water Abstraction Licences within 2000m of the study site

Identified

The following Potable Water Abstraction Licences records are represented as points, lines and regions on the SPZ and Potable Water Abstraction Licences Map (6c):

ID	Distance (m)	Direction	NGR	Details
Not shown	1103	SW	548680 157760	<p>Status: Active Licence No: 9/40/01/0170/G Details: Drinking, Cooking, Sanitary, Washing, (Small Garden) - Household Direct Source: Southern Region Groundwater Point: TWO CATCHPITS AT CHEVENING ESTATE, SEVENOAKS Data Type: Point Name: Trustees of the Chevening Estate</p> <p>Annual Volume (m³): 11819.8 Max Daily Volume (m³): 152.8 Original Application No: - Original Start Date: 02/05/1967 Expiry Date: - Issue No: 100 Version Start Date: Version End Date:</p>

6.6 Source Protection Zones

Source Protection Zones within 500m of the study site

None identified

Database searched and no data found.

6.7 Source Protection Zones within Confined Aquifer

Source Protection Zones within the Confined Aquifer within 500m of the study site

None identified

Historically, Source Protection Zone maps have been focused on regulation of activities which occur at or near the ground surface, such as prevention of point source pollution and bacterial contamination of water supplies. Sources in confined aquifers were often considered to be protected from these surface pressures due to the presence of a low permeability confining layer (e.g. glacial till, clay). The increased interest in subsurface activities such as onshore oil and gas exploration, ground source heating and cooling requires protection zones for confined sources to be marked on SPZ maps where this has not already been done.

Database searched and no data found.

6.8 Groundwater Vulnerability and Soil Leaching Potential

Environment Agency/Natural Resources Wales information on groundwater vulnerability and soil leaching potential within 500m of the study site Identified

Distance (m)	Direction	Classification	Soil Vulnerability Category	Description
0	On Site	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
0	On Site	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
0	On Site	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
0	On Site	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
204	SE	Major Aquifer/High Leaching Potential	H1	Soils which readily transmit liquid discharges because they are shallow or susceptible to rapid flow directly to rock, gravel or groundwater.
230	SE	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
233	SE	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
238	NW	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.
496	SE	Major Aquifer/Intermediate Leaching Potential	I1	Soils which can possibly transmit a wide range of pollutants.

6.9 River Quality

Environment Agency/Natural Resources Wales information on river quality within 1500m of the study site None identified

6.9.1 Biological Quality:

Database searched and no data found.

6.9.2 Chemical Quality:

Database searched and no data found.

6.10 Ordnance Survey MasterMap Water Network

Ordnance Survey MasterMap Water Network entries within 500m of the study site

This watercourse information is provided by Ordnance Survey MasterMap Water Network. The data provides a detailed centre line following the curve of the waterway precisely, so all distances provided in the report should be understood as measurements to the centreline rather than a measurement to the nearest point of the watercourse. Underground watercourses are inferred from entry and exit points so caution is advised in using these to indicate precise locations of underground watercourses when planning site investigation and development.

The following Ordnance Survey MasterMap Water Network records are represented on the Hydrology Map (6e):

ID	Distance/ Direction	Name	Type of Watercourse	Additional Details
1	495 N	Not Specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	495 N	Not Specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
2	497 NE	Not Specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided
Not shown	497 NE	Not Specified	Inland river not influenced by normal tidal action.	Catchment Area: Thames Relationship to Ground Level: On ground surface Permanence: Watercourse contains water year round (in normal conditions) Average Width in Watercourse Section (m): Not Provided

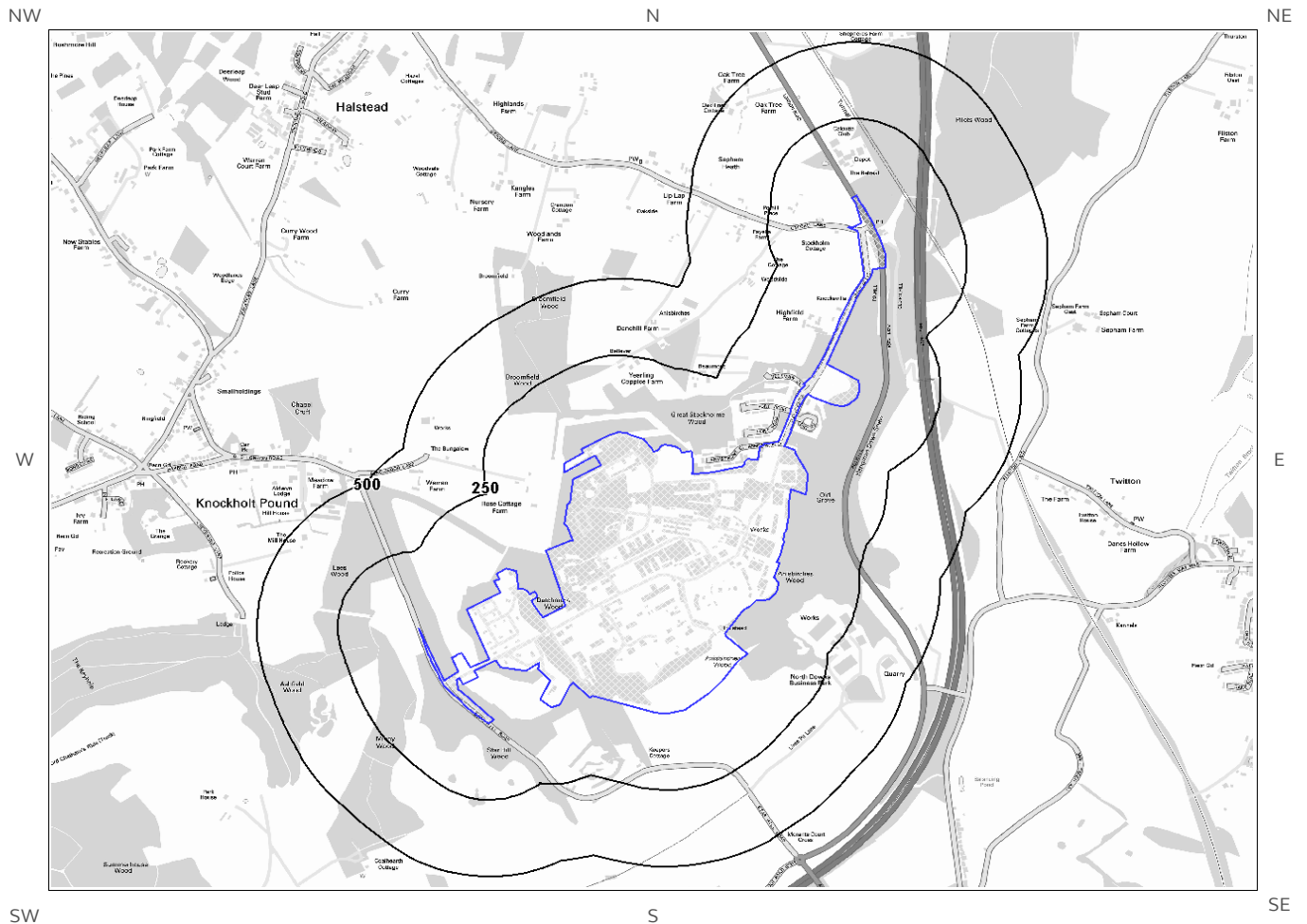
6.11 Surface Water Features

Surface water features within 250m of the study site

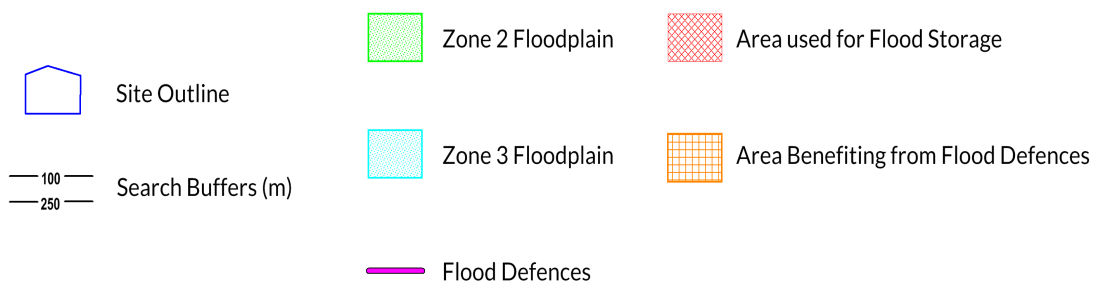
None identified

Database searched and no data found.

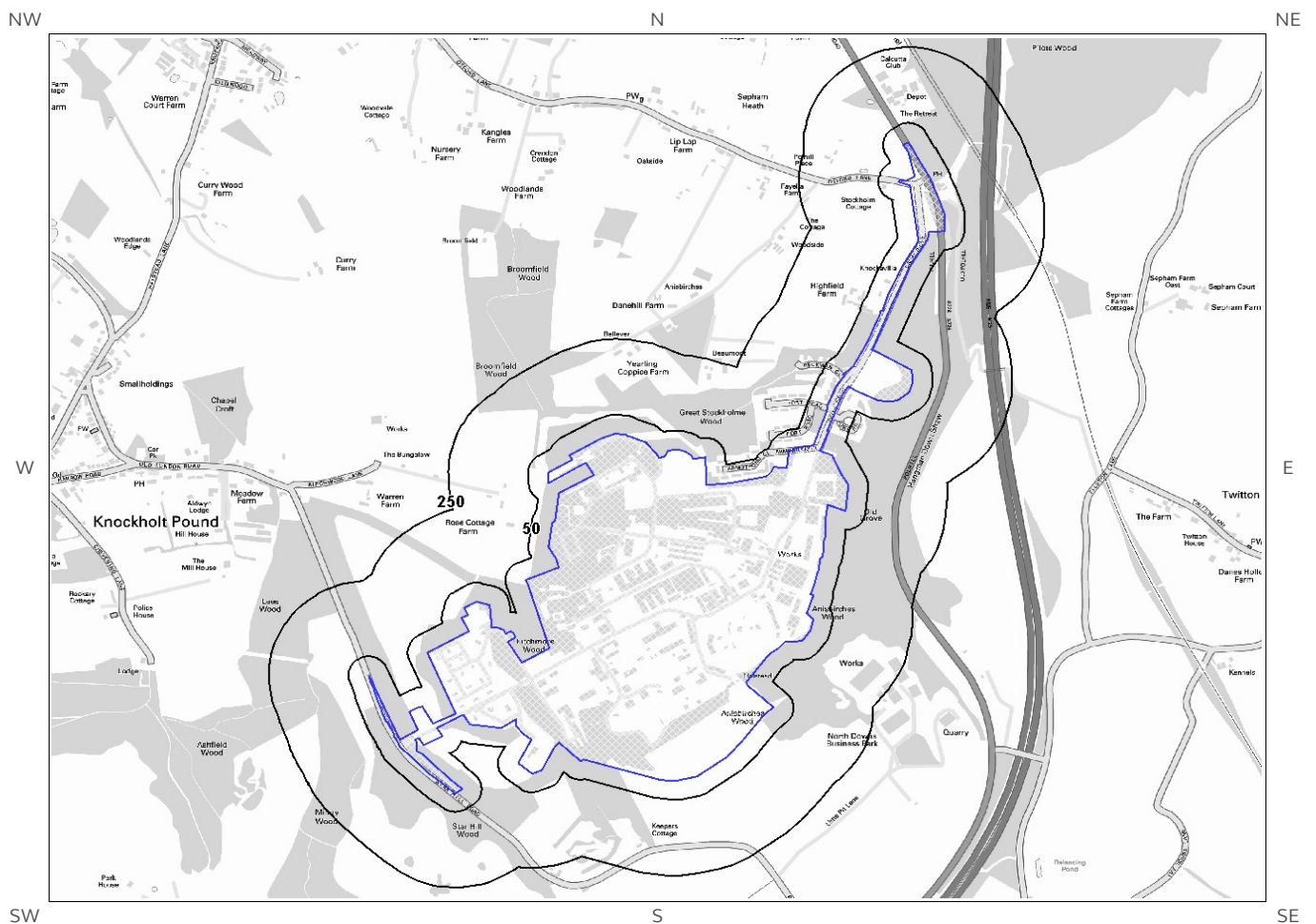
7a. Environment Agency/Natural Resources Wales Flood Map for Planning (from rivers and the sea)



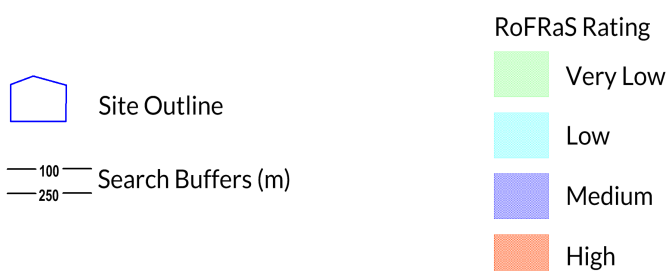
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7b. Environment Agency/Natural Resources Wales Risk of Flooding from Rivers and the Sea (RoFRaS) Map



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7 Flooding

7.1 River and Coastal Zone 2 Flooding

Environment Agency/Natural Resources Wales Zone 2 floodplain within 250m None identified

Environment Agency/Natural Resources Wales Zone 2 floodplains estimate the annual probability of flooding as between 1 in 1000 (0.1%) and 1 in 100 (1%) from rivers and between 1 in 1000 (0.1%) and 1 in 200 (0.5%) from the sea. Any relevant data is represented on Map 7a – Flood Map for Planning:

Database searched and no data found.

7.2 River and Coastal Zone 3 Flooding

Environment Agency/Natural Resources Wales Zone 3 floodplain within 250m None identified

Zone 3 shows the extent of a river flood with a 1 in 100 (1%) or greater chance of occurring in any year or a sea flood with a 1 in 200 (0.5%) or greater chance of occurring in any year. Any relevant data is represented on Map 7a – Flood Map for Planning.

Database searched and no data found.

7.3 Risk of Flooding from Rivers and the Sea (RoFRaS) Flood Rating

Highest risk of flooding onsite Very Low

The Environment Agency/Natural Resources Wales RoFRaS database provides an indication of river and coastal flood risk at a national level on a 50m grid with the flood rating at the centre of the grid calculated and given above. The data considers the probability that the flood defences will overtop or breach by considering their location, type, condition and standard of protection.

RoFRaS data for the study site indicates the property is in an area with a Very Low (less than 1 in 1000) chance of flooding in any given year.

7.4 Flood Defences

Flood Defences within 250m of the study site None identified
Database searched and no data found.

7.5 Areas benefiting from Flood Defences

Areas benefiting from Flood Defences within 250m of the study site None identified

7.6 Areas benefiting from Flood Storage

Areas used for Flood Storage within 250m of the study site

None identified

7.7 Groundwater Flooding Susceptibility Areas

7.7.1 British Geological Survey groundwater flooding susceptibility areas within 50m of the boundary of the study site

Identified

Clearwater Flooding or Superficial Deposits Flooding

Clearwater Flooding

Notes: Groundwater flooding may either be associated with shallow unconsolidated sedimentary aquifers which overlie unproductive aquifers (Superficial Deposits Flooding), or with unconfined aquifers (Clearwater Flooding).

7.7.2 Highest susceptibility to groundwater flooding in the search area based on the underlying geological conditions

Limited potential

Where limited potential for groundwater flooding to occur is indicated, this means that although given the geological conditions there may be a groundwater flooding hazard, unless other relevant information, e.g. records of previous flooding, suggests groundwater flooding has occurred before in this area, you need take no further action in relation to groundwater flooding hazard.

7.8 Groundwater Flooding Confidence Areas

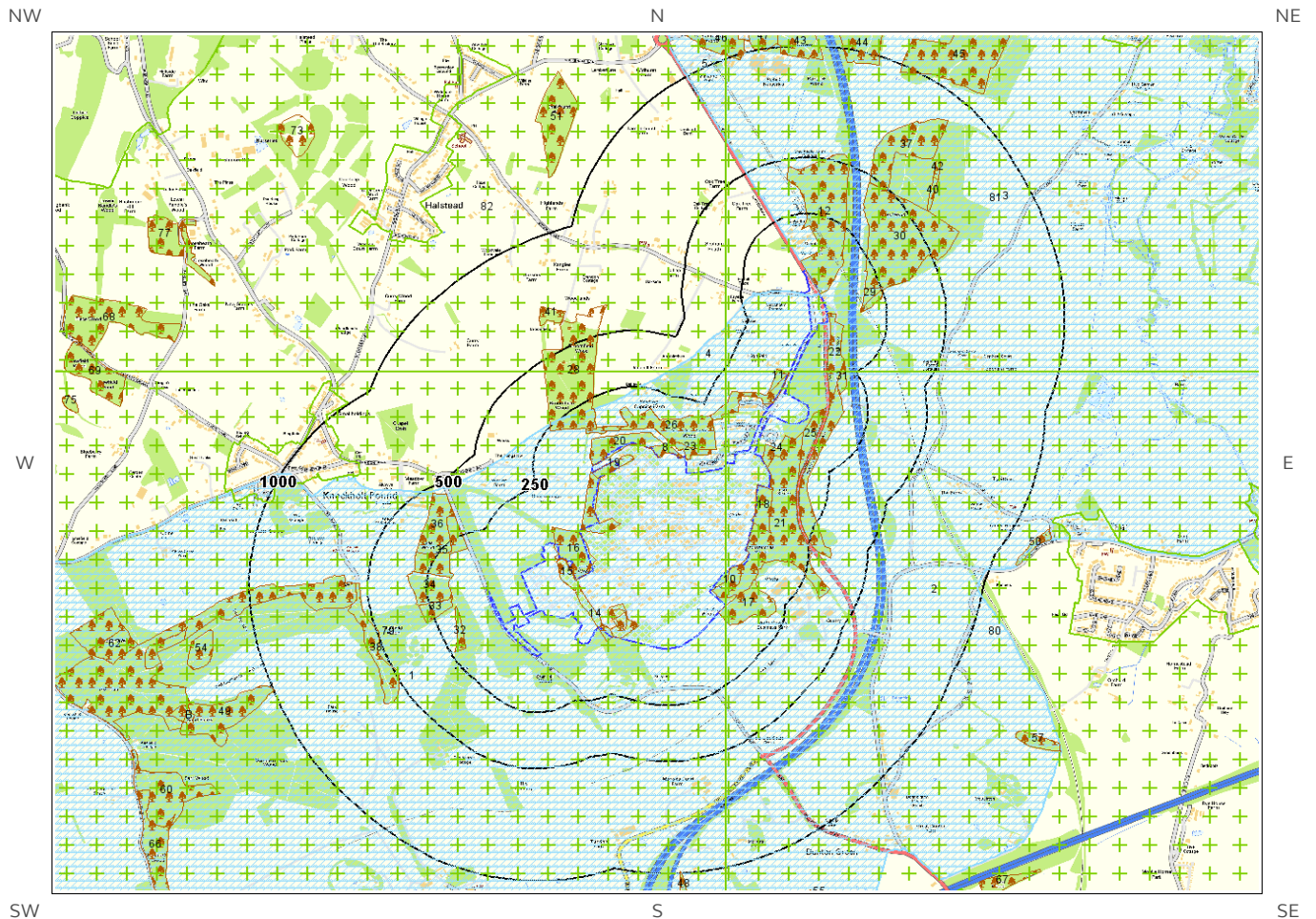
British Geological Survey confidence rating in this result

High

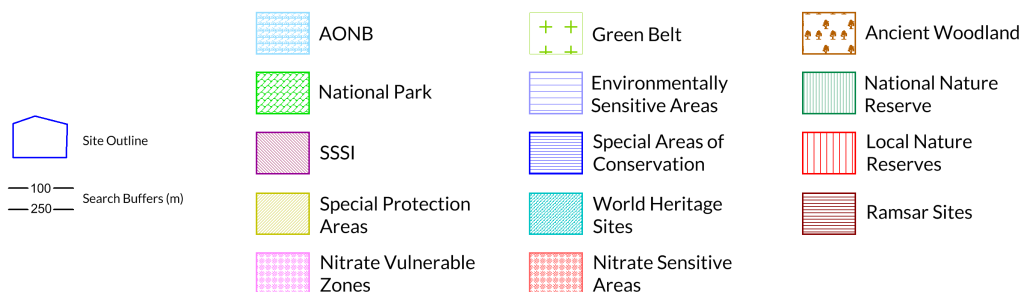
Notes: Groundwater flooding is defined as the emergence of groundwater at the ground surface or the rising of groundwater into man-made ground under conditions where the normal range of groundwater levels is exceeded.

The confidence rating is on a threefold scale - Low, Moderate and High. This provides a relative indication of the BGS confidence in the accuracy of the susceptibility result for groundwater flooding. This is based on the amount and precision of the information used in the assessment. In areas with a relatively lower level of confidence the susceptibility result should be treated with more caution. In other areas with higher levels of confidence the susceptibility result can be used with more confidence.

8. Designated Environmentally Sensitive Sites Map



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8. Designated Environmentally Sensitive Sites

Designated Environmentally Sensitive Sites within 2000m of the study site	Identified
---	------------

8.1 Records of Sites of Special Scientific Interest (SSSI) within 2000m of the study site:

0

Database searched and no data found.

8.2 Records of National Nature Reserves (NNR) within 2000m of the study site:

0

Database searched and no data found.

8.3 Records of Special Areas of Conservation (SAC) within 2000m of the study site:

0

Database searched and no data found.

8.4 Records of Special Protection Areas (SPA) within 2000m of the study site:

0

Database searched and no data found.

8.5 Records of Ramsar sites within 2000m of the study site:

0

Database searched and no data found.

8.6 Records of Ancient Woodland within 2000m of the study site:

73

The following records of Designated Ancient Woodland provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
6	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
7	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
8	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
9	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
10	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
11	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
12	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
13	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
14	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
15	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
16	0	On Site	UNKNOWN	Ancient and Semi-Natural Woodland
17	0	On Site	GOLDEN GROVE/BROADHAMS/RUSSETS/BROADHAM FIR PLANTATION/ANIS	Ancient Replanted Woodland
18	0	On Site	GOLDEN GROVE/BROADHAMS/RUSSETS/BROADHAM FIR PLANTATION/ANIS	Ancient Replanted Woodland
19	0	On Site	UNKNOWN	Ancient Replanted Woodland
20	0	On Site	UNKNOWN	Ancient Replanted Woodland
21	0	On Site	GOLDEN GROVE/BROADHAMS/RUSSETS/BROADHAM FIR PLANTATION/ANIS	Ancient and Semi-Natural Woodland
22	0	E	UNKNOWN	Ancient and Semi-Natural Woodland
23	0	E	UNKNOWN	Ancient and Semi-Natural Woodland
24	1	NE	UNKNOWN	Ancient and Semi-Natural Woodland
25	14	SE	GOLDEN GROVE/BROADHAMS/RUSSETS/BROADHAM FIR PLANTATION/ANIS	Ancient and Semi-Natural Woodland
26	46	N	UNKNOWN	Ancient Replanted Woodland
27	77	E	UNKNOWN	Ancient and Semi-Natural Woodland
28	125	NW	UNKNOWN	Ancient and Semi-Natural Woodland
29	138	E	UNKNOWN	Ancient and Semi-Natural Woodland
30	139	E	UNKNOWN	Ancient and Semi-Natural Woodland
31	143	E	UNKNOWN	Ancient and Semi-Natural Woodland
32	146	W	UNKNOWN	Ancient and Semi-Natural Woodland
33	147	W	UNKNOWN	Ancient and Semi-Natural Woodland

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
34	147	W	UNKNOWN	Ancient Replanted Woodland
35	149	W	UNKNOWN	Ancient and Semi-Natural Woodland
36	217	NW	LEES/ASHFIELD/MINNY WOOD	Ancient Replanted Woodland
37	473	NE	UNKNOWN	Ancient Replanted Woodland
38	490	SW	UNKNOWN	Ancient and Semi-Natural Woodland
39A	548	W	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient and Semi-Natural Woodland
40	575	NE	UNKNOWN	Ancient and Semi-Natural Woodland
41	611	NW	UNKNOWN	Ancient and Semi-Natural Woodland
42	679	NE	UNKNOWN	Ancient Replanted Woodland
43	939	N	UNKNOWN	Ancient Replanted Woodland
44	942	N	ANDREWS WOOD	Ancient Replanted Woodland
45	966	NE	MEENFIELD WOOD	Ancient Replanted Woodland
46	976	N	UNKNOWN	Ancient and Semi-Natural Woodland
47	990	N	UNKNOWN	Ancient and Semi-Natural Woodland
48	991	S	UNKNOWN	Ancient and Semi-Natural Woodland
49	996	W	UNKNOWN	Ancient and Semi-Natural Woodland
50	1088	SE	UNKNOWN	Ancient and Semi-Natural Woodland
51	1142	NW	CHALKHURST WOOD	Ancient and Semi-Natural Woodland
Not shown	1167	N	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1167	N	UNKNOWN	Ancient Replanted Woodland
54	1174	W	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient and Semi-Natural Woodland
55	1212	SE	UNKNOWN	Ancient and Semi-Natural Woodland
56A	1277	W	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient Replanted Woodland
57	1351	SE	DARNETS SPRING	Ancient and Semi-Natural Woodland
58B	1353	W	UNKNOWN	Ancient Replanted Woodland
59B	1366	W	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient Replanted Woodland
60	1408	SW	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient and Semi-Natural Woodland
Not shown	1453	S	UNKNOWN	Ancient and Semi-Natural Woodland
62	1494	W	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient Replanted Woodland
Not shown	1513	S	CHEVENING WOOD	Ancient and Semi-Natural Woodland
Not shown	1531	S	UNKNOWN	Ancient and Semi-Natural Woodland

ID	Distance (m)	Direction	Ancient Woodland Name	Data Source
Not shown	1587	S	RAKEFIELD WOOD	Ancient and Semi-Natural Woodland
66	1619	SW	ASH PLATT/SUNDRIDGE HILL WOODS	Ancient Replanted Woodland
67	1620	SE	UNKNOWN	Ancient and Semi-Natural Woodland
68	1711	NW	LATTICE COPPICE	Ancient and Semi-Natural Woodland
69	1743	NW	LATTICE COPPICE	Ancient and Semi-Natural Woodland
70	1764	NW	CLOSE HEATH WOOD	Ancient and Semi-Natural Woodland
Not shown	1818	S	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1841	N	UNKNOWN	Ancient Replanted Woodland
73	1852	NW	DEERLEAP WOOD-NORTH	Ancient and Semi-Natural Woodland
Not shown	1859	N	UNKNOWN	Ancient and Semi-Natural Woodland
75	1892	NW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1920	NE	UNKNOWN	Ancient and Semi-Natural Woodland
77	1952	NW	UNKNOWN	Ancient and Semi-Natural Woodland
Not shown	1998	N	CONEYEARTH/PASCALLS/HOLLOWS WOODS	Ancient and Semi-Natural Woodland

8.7 Records of Local Nature Reserves (LNR) within 2000m of the study site:

0

Database searched and no data found.

8.8 Records of World Heritage Sites within 2000m of the study site:

0

Database searched and no data found.

8.9 Records of Environmentally Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.10 Records of Areas of Outstanding Natural Beauty (AONB) within 2000m of the study site:

5

The following Area of Outstanding Natural Beauty (AONB) records provided by Natural England/Natural Resources Wales are represented as polygons on the Designated Environmentally Sensitive Sites Map:

ID	Distance (m)	Direction	AONB/NSA Name	Data Source
1	0	On Site	Kent Downs	Natural England
2	0	On Site	Kent Downs	Natural England
3	0	On Site	Kent Downs	Natural England
4	238	NW	Kent Downs	Natural England
5	674	NW	Kent Downs	Natural England

8.11 Records of National Parks (NP) within 2000m of the study site:

0

Database searched and no data found.

8.12 Records of Nitrate Sensitive Areas within 2000m of the study site:

0

Database searched and no data found.

8.13 Records of Nitrate Vulnerable Zones within 2000m of the study site:

0

Database searched and no data found.

8.14 Records of Green Belt land within 2000m of the study site:

4

Green Belt data contains Ordnance Survey data © Crown copyright and database right [2015].

ID	Distance	Direction	Green Belt Name	Local Authority Name
79	0	On Site	London Area Greenbelt	Sevenoaks
80	0	On Site	London Area Greenbelt	Sevenoaks
81	0	On Site	London Area Greenbelt	Sevenoaks
82	238	NW	London Area Greenbelt	Sevenoaks

9. Natural Hazards Findings

9.1 Detailed BGS GeoSure Data

BGS GeoSure Data has been searched to 50m. The data is included in tabular format. If you require further information on geology and ground stability, please obtain a **Groundsure Geo Insight**, available from our **website**. The following information has been found:

9.1.1 Shrink Swell

Maximum Shrink-Swell** hazard rating identified on the study site Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Ground conditions predominantly medium plasticity. Do not plant trees with high soil moisture demands near to buildings. For new build, consideration should be given to advice published by the National House Building Council (NHBC) and the Building Research Establishment (BRE). There is a possible increase in construction cost to reduce potential shrink-swell problems. For existing property, there is a possible increase in insurance risk, especially during droughts or where vegetation with high moisture demands is present.

9.1.2 Landslides

Maximum Landslide* hazard rating identified on the study site Moderate

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Significant potential for slope instability with relatively small changes in ground conditions. Avoid large amounts of water entering the ground through pipe leakage or soak-aways. Do not undercut or place large amounts of material on slopes without technical advice. For new build consider the potential and consequences of ground movement during excavations, or consequence of changes to loading or drainage. For existing property probable increase in insurance risk is likely due to potential natural slope instability after changes to ground conditions such as a very long, excessively wet winter.

9.1.3 Soluble Rocks

Maximum Soluble Rocks* hazard rating identified on the study site Moderate

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard
Very significant soluble rocks are present, with a moderate possibility of local natural subsidence due to high surface or subsurface water flow. Do not load the land or undertake building work before obtaining specialist advice. Do not dispose of drainage to the ground. Some possibility groundwater pollution. Maintain drainage infrastructure. For new build specialist site investigation and stability assessment may

* This indicates an automatically generated 50m buffer and site.

Hazard

be necessary before construction. Construction work may cause subsidence. Increased construction costs are likely. For existing property probable increase in insurance risk due to soluble rocks.

9.1.4 Compressible Ground

Maximum Compressible Ground* hazard rating identified on the study site Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

No indicators for compressible deposits identified. No special actions required to avoid problems due to compressible deposits. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with compressible deposits.

9.1.5 Collapsible Rocks

Maximum Collapsible Rocks* hazard rating identified on the study site Very Low

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

Deposits with potential to collapse when loaded and saturated are unlikely to be present. No special ground investigation required or increased construction costs or increased financial risk due to potential problems with collapsible deposits.

9.1.6 Running Sand

Maximum Running Sand** hazard rating identified on the study site Negligible

The following natural subsidence information provided by the British Geological Survey is not represented on mapping:

Hazard

No indicators for running sand identified. No special actions required to avoid problems due to running sand. No special ground investigation required, and increased construction costs or increased financial risks are unlikely due to potential problems with running sand.

* This indicates an automatically generated 50m buffer and site.

9.2 Radon

9.2.1 Radon Affected Areas

Is the property in a Radon Affected Area as defined by the Health Protection Agency (HPA) and if so what percentage of homes are above the Action Level? The site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level.

The radon data in this report is supplied by the BGS/Public Health England and is the definitive map of Radon Affected Areas in Great Britain and Northern Ireland. The dataset was created using long-term radon measurements in over 479,000 homes across Great Britain and 23,000 homes across Northern Ireland, combined with geological data. The dataset is considered accurate to 50m to allow for the margin of error in geological lines, and the findings of this report supercede any answer given in the less accurate Indicative Atlas of Radon in Great Britain, which simplifies the data to give the highest risk within any given 1km grid square. As such, the radon atlas is considered indicative, whereas the data given in this report is considered definitive.

9.2.2 Radon Protection

Is the property in an area where Radon Protection are required for new properties or extensions to existing ones as described in publication BR211 by the Building Research Establishment? No radon protective measures are necessary.

10. Mining

10.1 Coal Mining

Coal mining areas within 75m of the study site

None identified

Database searched and no data found.

10.2 Non-Coal Mining

Non-Coal Mining areas within 50m of the study site boundary

Identified

The following non-coal mining information is provided by the BGS:

Distance (m)	Direction	Name	Commodity	Assessment of likelihood
0.0	On Site	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
0.0	On Site	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered
0.0	On Site	Not available	Chalk	Sporadic underground mining of restricted extent may have occurred. Potential for difficult ground conditions are unlikely and localised and are at a level where they need not be considered

Past underground mine workings are uncommon, localised and of limited area. The rock types present in this area are such that minor mineral veins may be present within them on which it is possible that there have been attempts to work these by underground methods and/or it is possible that small scale underground extraction of other materials may have occurred. All such occurrences are likely to be restricted in size and infrequent. It should be noted, however, that there is always the possibility of the existence of other sub-surface excavations, such as wells, cess pits, follies, air raid shelters/bunkers and other military structures etc. that could affect surface ground stability but which are outside the scope of this dataset. However, if in a coalfield area you should still consider a Coal Authority mining search for the area of interest.

10.3 Brine Affected Areas

Brine affected areas within 75m of the study site
Guidance: No Guidance Required.

None identified



Contact Details

Groundsure Helpline
Telephone: 08444 159 000
info@groundsure.com

British Geological Survey Enquiries

Kingsley Dunham Centre
Keyworth, Nottingham NG12 5GG
Tel: 0115 936 3143.
Fax: 0115 936 3276.
Email:

Web: www.bgs.ac.uk

BGS Geological Hazards Reports and general geological enquiries:
enquiries@bgs.ac.uk

Environment Agency

National Customer Contact Centre, PO Box 544
Rotherham, S60 1BY
Tel: 03708 506 506

Web: www.environment-agency.gov.uk

Email: enquiries@environment-agency.gov.uk

Public Health England

Public information access office
Public Health England, Wellington House
133-155 Waterloo Road, London, SE1 8UG
www.gov.uk/phe

Email: enquiries@phe.gov.uk
Main switchboard: 020 7654 8000

The Coal Authority

200 Lichfield Lane
Mansfield
Notts NG18 4RG
Tel: 0345 7626 848
DX 716176 Mansfield 5
www.coal.gov.uk

Ordnance Survey

Adanac Drive, Southampton
SO16 0AS
Tel: 08456 050505

Local Authority

Authority: Sevenoaks District Council
Phone: 01732 227 000

Web: <http://www.sevenoaks.gov.uk/>

Address: Council Offices, Argyle Road, Sevenoaks, Kent, TN13 1HG

Gemapping PLC

Virginia Villas, High Street, Hartley Witney,
Hampshire RG27 8NW
Tel: 01252 845444



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