



A P P E N D I X F

Land Appraisal | Environmental | Geotechnical | Design | Mining | Inspections

GRM Development Solutions Limited, Laurus House, First Avenue, Centrum 100, Burton upon Trent, Staffs DE14 2WH
www.grm-uk.com | info@grm-uk.com | 01283 551249 Company No. 3099018 (England), VAT Reg. No. 658 1005 48

SU 86 SW 3 8035 6264

Near Moorgreen Farm, Finchampstead Block C

Surface level +53.3 m (+175 ft)
Water struck at +52.3 m
Shell and auger, (152 mm) 6 in diameter
June 1974

Overburden 1.0 m
Mineral 4.4 m
Bedrock 3.6 m+

LOG

Geological Classification	Lithology	Thickness m	Depth m
	Clayey, loamy soil	0.2	0.2
Alluvium	Dark grey, silty clay	0.8	1.0
River Terrace Deposits (First Terrace)	A. Gravel; sandy below 4.0 m Gravel: fine to coarse, angular to subrounded, brown flint with occasional well rounded black flint. Some flint patinated Sand: fine to coarse quartz with flint; greyish brown	4.4	5.4
Bagshot Beds	B. 'Clayey' sand Sand: fine quartz, grey, with grey clay laminae	3.6+	9.0

GRADING

Mean for Deposit				Depth below surface (m)		Bulk Samples Percentages					Gravel	
	%	mm	%	From	To	Fines -1/16	+1/16-1/4	+1/4-1	+1-2		+4-16	+16
A.												
Gravel	55	+16	29	1.0	2.0	5	13	11	9		27	35
		-16 + 4	26	2.0	3.0	4	12	9	4		33	38
				3.0	4.0	1	5	15	7		31	41
Sand	40	- 4 + 1	7	4.0	5.4	7	36	21	8		19	9
		- 1 + 1/4	15									
		- 1/4 + 1/16	18									
Fines	5	- 1/16	5									
B.												
Gravel	0	+16	0	5.4	9.0	10	67	21	2		0	0
		-16 + 4	0									
Sand	90	- 4 + 1	2									
		- 1 + 1/4	21									
		- 1/4 + 1/16	67									
Fines	10	- 1/16	10									



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Our Ref: P7995 SA.1
Date: 28/06/2017

Mr James Finlay,
Catesby Property Group,
Catesby House,
5B Tournament Drive
Edgehill Drive,
Warwick
CV34 6LG

Dear James,

RE: Longwater Road, Finchampstead – Soakaway Testing

Further to your instruction, GRM attended site between the 20th and 21st June 2017 to undertake soakaway infiltration testing at the above location. Testing was undertaken at four locations (SA-01 to SA-04) to test the underlying strata and determine the feasibility of the use of soakaway drainage. The tests were undertaken in general accordance with the methodology outlined within BRE 365.

Ground Conditions

The British Geological Survey (BGS) map for the area indicates that River Terrace Deposits (comprising sand and gravel) overly the Bagshot Formation (comprising sand).

The four soakaway trial pits were excavated to depths of between 1.7m to 2.0m begl. Topsoil was recorded to depths of between 0.3m to 0.4m begl, the River Terrace Deposits were recorded below the topsoil in all four holes as either brown or light grey very clayey fine to coarse SAND or very sandy CLAY with gravel of quartzite and chert and were recorded to depths of 1.7m to depths exceeding 1.9m begl. The underlying Bagshot Formation was only recorded in SA-04 from 1.7m begl as a light brown slightly clayey fine to coarse SAND. An exploratory hole location plan, the exploratory hole logs and site photographs are enclosed for reference.

Groundwater was encountered in all holes as damp strata between 1.2m and 1.5m begl, SA-04 recorded ingress at 1.7m begl.

A land drain was encountered within SA-04 at a depth of 1.1m begl on the northern and southern face of the soakaway pit, and it is believed to have run north to south following local topography. No water was observed within the drain throughout the site works.

Soakaway Testing

The following table below indicates the calculated infiltration rates:-

Location	Depth of Soakaway Pit (m)	Infiltration Material	25% Effective Drainage	75% Effective Drainage	Infiltration Rate (m/s)
SA01 Test 1	1.80	River Terrace Deposits	NO	NO	-
SA02 Test 1	1.70	River Terrace Deposits	YES	NO	-
SA03 Test 1	1.9	River Terrace Deposits	YES	NO	-
SA04 Test 1	2.0	River Terrace Deposits and Bagshot Formation	YES	NO	-

Results have been enclosed for reference.

Summary

An infiltration to 75% was unachievable and an accurate infiltration rate could not be calculated for any of the soakaways. High fines content of the soils has resulted in low infiltration rates, as none of the soakaways were close to 75% an estimated rate calculated by extrapolation could not be undertaken.

Accordingly, it is recommended that an alternative method of disposing of surface water is sought.

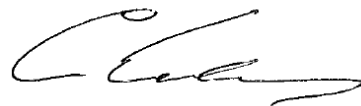
This report should be forwarded to the projects drainage engineer for review and consideration in the design process. The use of permeable paving, or shallow swales, where granular strata is present, may be possible.

I trust that the above is sufficient for your current purposes, however if you have any queries please do not hesitate to contact us.

Yours sincerely



George Salloway
Geo-Environmental Scientist



Clive Kirby
Principal Geologist

Enclosed:

- Exploratory Hole Location Plan
- Exploratory Hole Logs
- Site Photographs
- Soakaway Results

DO NOT SCALE



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CLIENT:

Catesby Estates Ltd

PROJECT:

**Longwater Road,
Finchampstead**

TITLE:

**Soakaway Location
Plan**

SCALE@SIZE

NTS

ISSUE:

1

DESIGN/DRAWN:

GS

DATE:

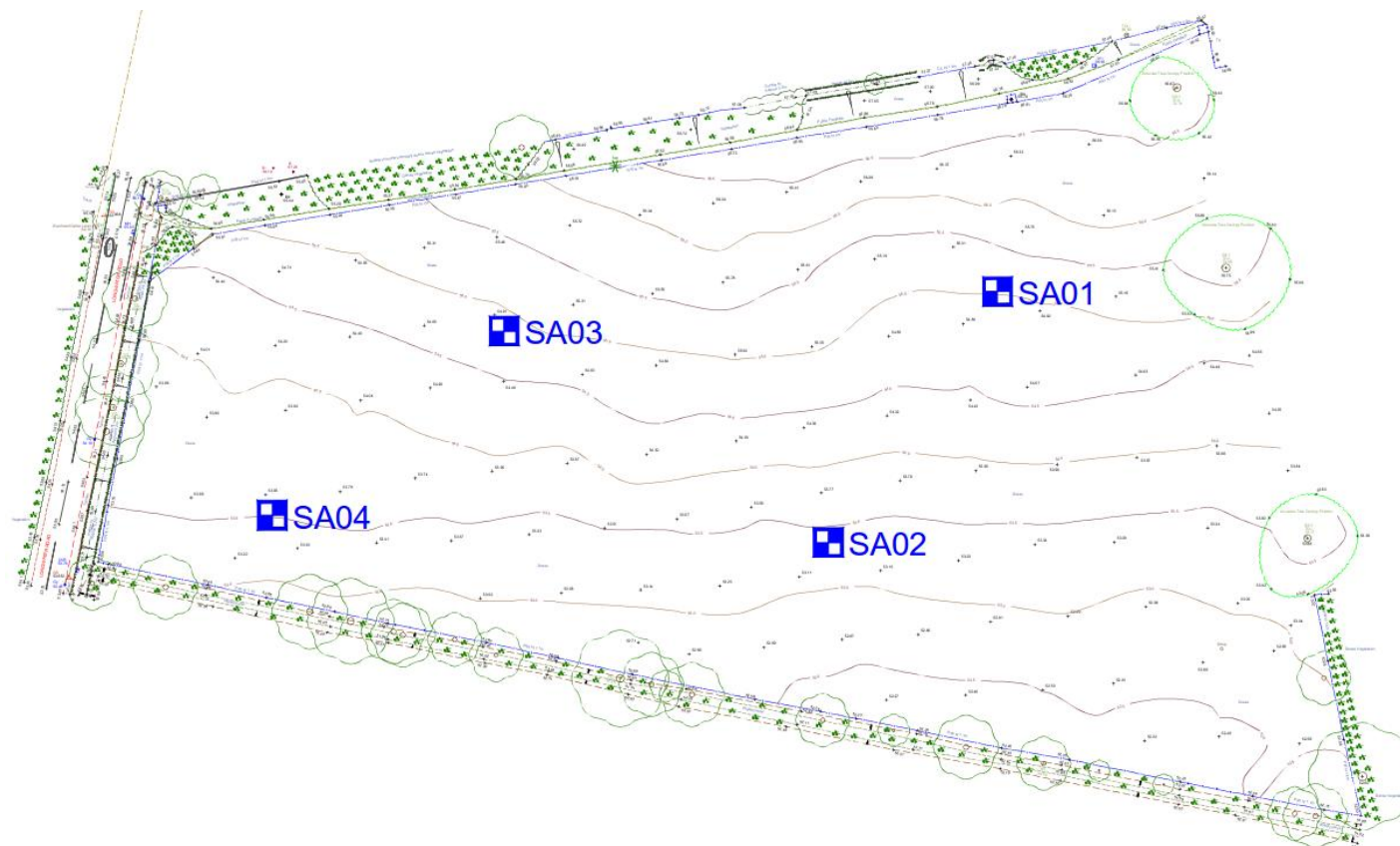
June 2017

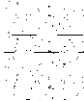
PROJECT No:

P7995

DRAWING No:

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		GRM Development Solutions Ltd Laurus House, First Avenue, Centrum 100, Burton-on-Trent, DE14 2WH Tel (HQ): 01283 551249 Email: info@grm-uk.com		Trial Pit Log			Trial Pit No SA-01 Sheet 1 of 1	
Site Name: Longwater Road, Finchampstead							Ground Level (mAOD)	
Client: Catesby Estates Ltd					GRM Project Ref: P7995		Coordinates 479684 E 162722 N	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Light brown clayey, slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded chert. TOPSOIL	
	0.70 - 0.80	D		0.70			Orange brown mottled grey, very clayey, slightly gravelly fine to coarse SAND with pockets of sandy clay throughout. Gravel is fine to coarse, subrounded quartzite. RIVER TERRACE DEPOSITS	
							Firm orange brown mottled grey, very sandy CLAY. Sand is fine to coarse. Pockets of sandy silt and rare organic material observed. RIVER TERRACE DEPOSITS	1
	1.60 - 1.70	D		1.80			Becoming grey mottled brown and slightly gravelly from 1.8m. Gravel is fine to medium subangular to subrounded chert.	
							End of Pit at 1.80m	2
								3
								4
Date Excavated: 20/06/2017 Date Backfilled: 21/06/2017 Shoring: Not used. Stability: Stable during excavation. Plant Used: JCB 3CX Logged by: GS				Groundwater Observations: Pockets of damp clayey sand recorded from 1.4m begl.				
				Trial Pit Dimensions (m): 0.60  1.80		Reason for termination of Trial Pit: Target depth acquired.		
General Remarks: Soak away test undertaken.								
Strata consistencies/densities determined by observation only					Version: FINAL		Scale: 1:25	

		GRM Development Solutions Ltd Laurus House, First Avenue, Centrum 100, Burton-on-Trent, DE14 2WH Tel (HQ): 01283 551249 Email: info@grm-uk.com		Trial Pit Log			Trial Pit No SA-02 Sheet 1 of 1	
Site Name: Longwater Road, Finchampstead							Ground Level (mAOD)	
Client: Catesby Estates Ltd					GRM Project Ref: P7995		Coordinates 479660 E 162675 N	

Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
				0.30			Light brown clayey, slightly gravelly fine to coarse SAND. Gravel is fine to medium, subangular to subrounded chert and quartzite. TOPSOIL	
	0.60 - 0.70	D		0.60			Light brown very clayey fine to coarse SAND. RIVER TERRACE DEPOSITS	
				0.80			Soft brown very sandy, slightly gravelly CLAY. Sand is fine to coarse, gravel is fine to coarse, subrounded quartzite and chert. RIVER TERRACE DEPOSITS	
	1.10 - 1.20	D		1.00			Firm orangish brown mottled grey sandy CLAY with pockets of grey sandy silt. Sand is fine to coarse. RIVER TERRACE DEPOSITS	1
							Light grey clayey to very clayey, slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded chert and quartzite. RIVER TERRACE DEPOSITS	
	1.60 - 1.70	D		1.70			End of Pit at 1.70m	2
								3
								4

Date Excavated: 20/06/2017		Groundwater Observations:	
Date Backfilled: 21/06/2017		Becoming damp at approximately 1.2m begl	
Shoring: Not used.			
Stability: Stable during excavation.			
Plant Used: JCB 3CX		Reason for termination of Trial Pit:	
Logged by: GS		Target depth acquired.	

Trial Pit Dimensions (m):

0.60
 1.90

General Remarks: Soak away test undertaken.

Strata consistencies/densities determined by observation only	Version: FINAL	Scale: 1:25
---	----------------	-------------

Trial Pit Log

Trial Pit No

SA-03

Sheet 1 of 1

Site Name: Longwater Road, Finchampstead

Ground Level (mAOD)

Client: Catesby Estates Ltd

GRM Project Ref: P7995

Coordinates

479610	E
162718	N

[illegible]

Date Excavated: 20/06/2017

Date Backfilled: 21/06/2017

Shoring: Not used.

Stability:	Stable during excavation.
-------------------	---------------------------

Plant Used: JCB 3CX

Logged by: GS

Groundwater Observations:

Pockets of damp clayey sand recorded from 1.4m begl.

Trial Pit Dimensions (m):

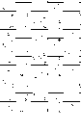
0.60

1.80

Reason for termination of Trial Pit:

Target depth acquired.

General Remarks: Soak away test undertaken.	
---	--

		GRM Development Solutions Ltd Laurus House, First Avenue, Centrum 100, Burton-on-Trent, DE14 2WH Tel (HQ): 01283 551249 Email: info@grm-uk.com		Trial Pit Log			Trial Pit No SA-04 Sheet 1 of 1	
Site Name: Longwater Road, Finchampstead							Ground Level (mAOD)	
Client: Catesby Estates Ltd					GRM Project Ref: P7995		Coordinates 479582 E 162676 N	
Water Strike	Samples & In Situ Testing			Depth (m)	Level (m)	Legend	Stratum Description	
	Depth	Type	Results					
	0.30 - 0.40	D		0.40			Light brown clayey, slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded chert. TOPSOIL	
	0.50 - 0.60	D						
				1.20			<i>Land drain observed between 1.0m to 1.2m begl.</i>	1
	1.30 - 1.40	D					Light grey clayey to very clayey, slightly gravelly fine to coarse SAND. Gravel is fine to coarse, subangular to subrounded chert and quartzite. RIVER TERRACE DEPOSITS <i>Becoming slightly clayey and very gravelly at 1.5m begl.</i>	
	1.50 - 1.60	D		1.70			Light brown slightly clayey fine to coarse SAND. BAGSHOT FORMATION	
	1.80 - 1.90	D					End of Pit at 2.00m	
			2.00					2
								3
								4
Date Excavated: 20/06/2017			Groundwater Observations:					
Date Backfilled: 21/06/2017			Damp strata recorded at 1.5m begl, ingress observed at 1.7m begl and pooling at base of pit.					
Shoring: Not used.								
Stability: Stable during excavation.								
Plant Used: JCB 3CX			Trial Pit Dimensions (m):			Reason for termination of Trial Pit:		
Logged by: GS			0.60  1.90			Target depth acquired.		
General Remarks: Soak away test undertaken.								
Strata consistencies/densities determined by observation only					Version: FINAL		Scale: 1:25	



SA-01



SA-01 excavated material



SA-02



SA-02 excavated material

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CLIENT:

Catesby Estates Ltd

PROJECT:

**Land off Longwater
Road, Finchampstead**

TITLE:

Site Work Photographs

SCALE@SIZE

NTS

ISSUE:

DESIGN/DRAWN:

GS

DATE:

June 2017

PROJECT No:

P7995

DRAWING No:

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SA-03 with soakaway crate



SA-03 excavated material



SA-04



SA-04 (+1hrs)



SA-04 excavated material

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**Land off Longwater
Road, Finchampstead**

TITLE:

Site Work Photographs

SCALE@SIZE

NTS

ISSUE:

DESIGN/DRAWN:

GS

DATE:

June 2017

PROJECT No:

P7995

DRAWING No:

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NAME OF SITE	Longwater Road, Finchampstead	
Project No.	P7995	
Soakaway Test No.	SA01 TEST 1	
Depth of pit begl	1.800	m
Pipe above ground	0.000	m
Water level at start of test	0.700	m
Start depth begl	0.700	m

Time (mins)	Depth begl	% empty
0	0.700	0.00
5	0.700	
10	0.700	
48	0.705	0.45
98	0.720	1.82
137	0.740	3.64
205	0.760	5.45
1186	0.930	20.91
1269	0.940	21.82
1347	0.960	23.64
1429	0.960	23.64
1440	0.960	23.64
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	
	0.000	

Pit width	0.600	m
Pit length	1.900	m
Volume	1.254	m3
Base area	1.140	m2
Side area	2.090	m2

Depth at 25% empty	0.975	m
Depth at 75% empty	1.525	m

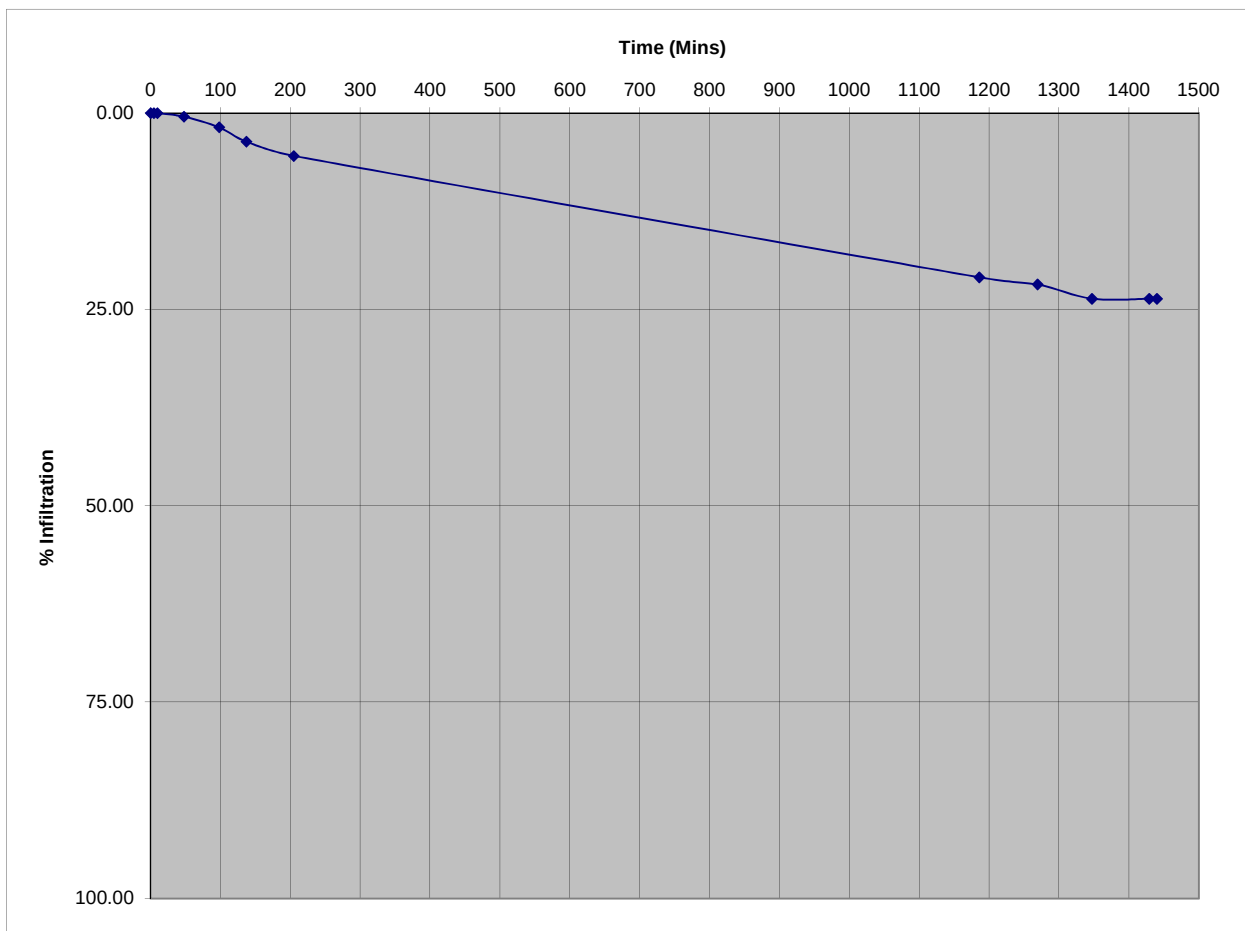
Vp75-25	0.627	m3
---------	-------	----

Depth at 50% empty	1.250	m
Area of base at 50% empty	1.140	m2
Area of sides at 50% empty	2.750	m2
Area of pit at 50% empty	3.890	m2

Time at 25% empty	n/a	Mins
Time at 75% empty	n/a	Mins
tp75-25	#VALUE!	Mins

Soil Infiltration (q) =	#VALUE!	m/min
	#VALUE!	m/sec

The data used for the time at 75% empty has been estimated using engineering judgement from the data recorded on site.





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Land Off Longwater Road, Finchampstead, RG40 3TT

Order Details

Date: 11/12/2023
Your ref: EMS_912899_1131260
Our Ref: EMS-912899_1164086

Site Details

Location: 479651 162698
Area: 2.24 ha
Authority: [Wokingham Borough Council](#) ↗



Summary of findings

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

[p. 9 >](#)

OS MasterMap site plan

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

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	0	0	2	2	-
16 >	1.2 >	Historical tanks >	0	0	1	9	-
17 >	1.3 >	Historical energy features >	0	0	2	3	-
17	1.4	Historical petrol stations	0	0	0	0	-
17 >	1.5 >	Historical garages >	0	0	0	2	-
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	0	2	5	-
20 >	2.2 >	Historical tanks >	0	0	2	11	-
21 >	2.3 >	Historical energy features >	0	0	3	7	-
21	2.4	Historical petrol stations	0	0	0	0	-
21 >	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	0	0	0	-
24	3.5	Historical waste sites	0	0	0	0	-
24	3.6	Licensed waste sites	0	0	0	0	-
24 >	3.7 >	Waste exemptions >	0	0	6	15	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
27 >	4.1 >	Recent industrial land uses >	0	0	1	-	-
28	4.2	Current or recent petrol stations	0	0	0	0	-
28	4.3	Electricity cables	0	0	0	0	-
28	4.4	Gas pipelines	0	0	0	0	-
28	4.5	Sites determined as Contaminated Land	0	0	0	0	-



28	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
29	4.7	Regulated explosive sites	0	0	0	0	-
29	4.8	Hazardous substance storage/usage	0	0	0	0	-
29	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
29	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
29	4.11	Licensed pollutant release (Part A(2)/B)	0	0	0	0	-
30	4.12	Radioactive Substance Authorisations	0	0	0	0	-
30 >	4.13 >	<u>Licensed Discharges to controlled waters</u> >	2	2	1	8	-
32	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
32	4.15	Pollutant release to public sewer	0	0	0	0	-
33	4.16	List 1 Dangerous Substances	0	0	0	0	-
33	4.17	List 2 Dangerous Substances	0	0	0	0	-
33 >	4.18 >	<u>Pollution Incidents (EA/NRW)</u> >	0	0	1	0	-
33	4.19	Pollution inventory substances	0	0	0	0	-
34	4.20	Pollution inventory waste transfers	0	0	0	0	-
34	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	<u>Hydrogeology</u> >	On site	0-50m	50-250m	250-500m	500-2000m
35 >	5.1 >	<u>Superficial aquifer</u> >	Identified (within 500m)				
37 >	5.2 >	<u>Bedrock aquifer</u> >	Identified (within 500m)				
39 >	5.3 >	<u>Groundwater vulnerability</u> >	Identified (within 50m)				
40	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
40	5.5	Groundwater vulnerability- local information	None (within 0m)				
41 >	5.6 >	<u>Groundwater abstractions</u> >	0	0	0	2	13
45 >	5.7 >	<u>Surface water abstractions</u> >	0	0	0	1	0
46	5.8	Potable abstractions	0	0	0	0	0
46	5.9	Source Protection Zones	0	0	0	0	-
46	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
47 >	6.1 >	<u>Water Network (OS MasterMap)</u> >	0	3	14	-	-



49 >	6.2 >	Surface water features >	0	1	11	-	-
49 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
50 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
50 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
51 >	7.1 >	Risk of flooding from rivers and the sea >	High (within 50m)				
52 >	7.2 >	Historical Flood Events >	2	1	2	-	-
52	7.3	Flood Defences	0	0	0	-	-
53	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
53	7.5	Flood Storage Areas	0	0	0	-	-
54 >	7.6 >	Flood Zone 2 >	Identified (within 50m)				
55 >	7.7 >	Flood Zone 3 >	Identified (within 50m)				
Page	Section	Surface water flooding >					
56 >	8.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
58 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
59	10.1	Sites of Special Scientific Interest (SSSI)	0	0	0	0	0
60	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
60	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
60	10.4	Special Protection Areas (SPA)	0	0	0	0	0
60	10.5	National Nature Reserves (NNR)	0	0	0	0	0
61	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
61 >	10.7 >	Designated Ancient Woodland >	0	0	0	0	19
62	10.8	Biosphere Reserves	0	0	0	0	0
62	10.9	Forest Parks	0	0	0	0	0
62	10.10	Marine Conservation Zones	0	0	0	0	0
62	10.11	Green Belt	0	0	0	0	0
63	10.12	Proposed Ramsar sites	0	0	0	0	0



63	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
63	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
63	10.15	Nitrate Sensitive Areas	0	0	0	0	0
64 >	10.16 >	Nitrate Vulnerable Zones >	0	0	0	0	2
65 >	10.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
66	10.18	SSSI Units	0	0	0	0	0
Page	Section	Visual and cultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
67	11.1	World Heritage Sites	0	0	0	-	-
68	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
68	11.3	National Parks	0	0	0	-	-
68	11.4	Listed Buildings	0	0	0	-	-
68 >	11.5 >	Conservation Areas >	1	0	0	-	-
69	11.6	Scheduled Ancient Monuments	0	0	0	-	-
69	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
70 >	12.1 >	Agricultural Land Classification >	Grade 3 (within 250m)				
71	12.2	Open Access Land	0	0	0	-	-
71 >	12.3 >	Tree Felling Licences >	0	0	1	-	-
71	12.4	Environmental Stewardship Schemes	0	0	0	-	-
72	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations >	On site	0-50m	50-250m	250-500m	500-2000m
73 >	13.1 >	Priority Habitat Inventory >	0	1	7	-	-
74	13.2	Habitat Networks	0	0	0	-	-
74	13.3	Open Mosaic Habitat	0	0	0	-	-
74	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
75 >	14.1 >	10k Availability >	Identified (within 500m)				
76 >	14.2 >	Artificial and made ground (10k) >	0	0	0	2	-
77 >	14.3 >	Superficial geology (10k) >	2	0	2	3	-

78	14.4	Landslip (10k)	0	0	0	0	-
79 >	14.5 >	Bedrock geology (10k) >	1	0	3	1	-
80 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	0	1	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
81 >	15.1 >	50k Availability >	Identified (within 500m)				
82 >	15.2 >	Artificial and made ground (50k) >	0	0	0	1	-
83	15.3	Artificial ground permeability (50k)	0	0	-	-	-
84 >	15.4 >	Superficial geology (50k) >	2	0	0	2	-
85 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
85	15.6	Landslip (50k)	0	0	0	0	-
85	15.7	Landslip permeability (50k)	None (within 50m)				
86 >	15.8 >	Bedrock geology (50k) >	1	0	2	0	-
87 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
87 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	0	1	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
88 >	16.1 >	BGS Boreholes >	0	0	1	-	-
Page	Section	Natural ground subsidence >					
89 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
90 >	17.2 >	Running sands >	Low (within 50m)				
92 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
94 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
95 >	17.5 >	Landslides >	Very low (within 50m)				
96 >	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
98 >	18.1 >	BritPits >	0	0	2	6	-
100 >	18.2 >	Surface ground workings >	0	0	1	-	-
100	18.3	Underground workings	0	0	0	0	0
101	18.4	Underground mining extents	0	0	0	0	-
101	18.5	Historical Mineral Planning Areas	0	0	0	0	-



101	18.6	Non-coal mining	0	0	0	0	0
101	18.7	JPB mining areas	None (within 0m)				
101	18.8	The Coal Authority non-coal mining	0	0	0	0	-
102 >	18.9 >	Researched mining >	0	1	0	1	-
102	18.10	Mining record office plans	0	0	0	0	-
102	18.11	BGS mine plans	0	0	0	0	-
103	18.12	Coal mining	None (within 0m)				
103	18.13	Brine areas	None (within 0m)				
103	18.14	Gypsum areas	None (within 0m)				
103	18.15	Tin mining	None (within 0m)				
103	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
104	19.1	Natural cavities	0	0	0	0	-
104	19.2	Mining cavities	0	0	0	0	0
104	19.3	Reported recent incidents	0	0	0	0	-
104	19.4	Historical incidents	0	0	0	0	-
105	19.5	National karst database	0	0	0	0	-
Page	Section	Radon >					
106 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
108 >	21.1 >	BGS Estimated Background Soil Chemistry >	3	2	-	-	-
108	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
109	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
110	22.1	Underground railways (London)	0	0	0	-	-
110	22.2	Underground railways (Non-London)	0	0	0	-	-
110	22.3	Railway tunnels	0	0	0	-	-
110	22.4	Historical railway and tunnel features	0	0	0	-	-
110	22.5	Royal Mail tunnels	0	0	0	-	-

111	22.6	Historical railways	0	0	0	-	-
111	22.7	Railways	0	0	0	-	-
111	22.8	Crossrail 1	0	0	0	0	-
111	22.9	Crossrail 2	0	0	0	0	-
111	22.10	HS2	0	0	0	0	-



Recent aerial photograph



Capture Date: 30/04/2022

Site Area: 2.24ha



Recent site history - 2019 aerial photograph



Capture Date: 29/06/2019

Site Area: 2.24ha



Recent site history - 2013 aerial photograph



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Capture Date: 03/06/2013

Site Area: 2.24ha



Recent site history - 2005 aerial photograph



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Capture Date: 19/06/2005

Site Area: 2.24ha



Recent site history - 1999 aerial photograph



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Capture Date: 04/09/1999

Site Area: 2.24ha



OS MasterMap site plan

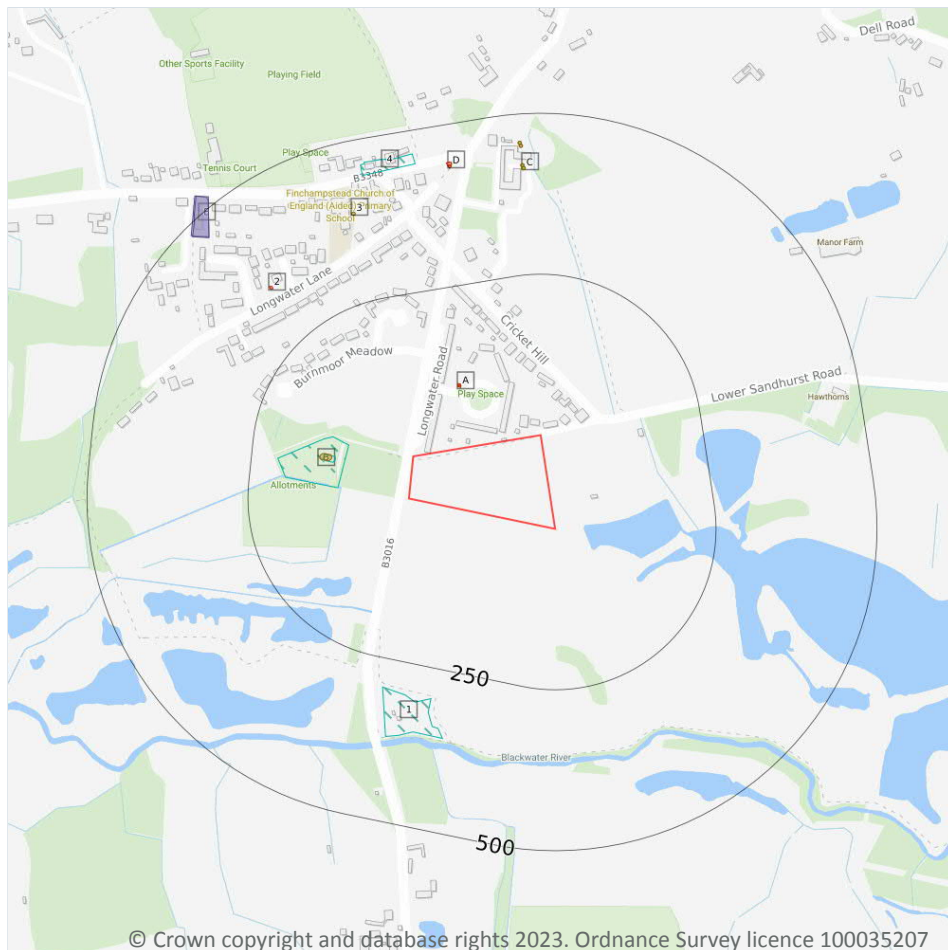


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Site Area: 2.24ha



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
B	102m W	Sewage Works	1977	1861429



ID	Location	Land use	Dates present	Group ID
B	120m W	Unspecified Tanks	1977	1870896
1	295m SW	Sewage Works	1977	1861430
4	443m N	Smithy	1898 - 1913	1903547

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

10

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
B	126m W	Tanks	1973 - 1993	314422
3	386m NW	Unspecified Tank	1899 - 1932	314412
C	413m N	Unspecified Tank	1995	321781
C	413m N	Unspecified Tank	1995	322722
C	418m N	Unspecified Tank	1988	313847
C	418m N	Unspecified Tank	1990	320600
C	448m N	Unspecified Tank	1995	317828
C	448m N	Unspecified Tank	1995	324820
C	453m N	Unspecified Tank	1990	313743
C	453m N	Unspecified Tank	1988	317723

This data is sourced from Ordnance Survey / Groundsure.



1.3 Historical energy features

Records within 500m

5

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
A	94m N	Electricity Substation	1973	205780
A	96m N	Electricity Substation	1993 - 1996	204849
2	340m NW	Electricity Substation	1993 - 1996	207428
D	432m N	Electricity Substation	1995	209973
D	436m N	Electricity Substation	1973 - 1990	202275

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m

0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m

2

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
E	465m NW	Garage	1988 - 1995	63935
E	466m NW	Garage	1973	62934

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

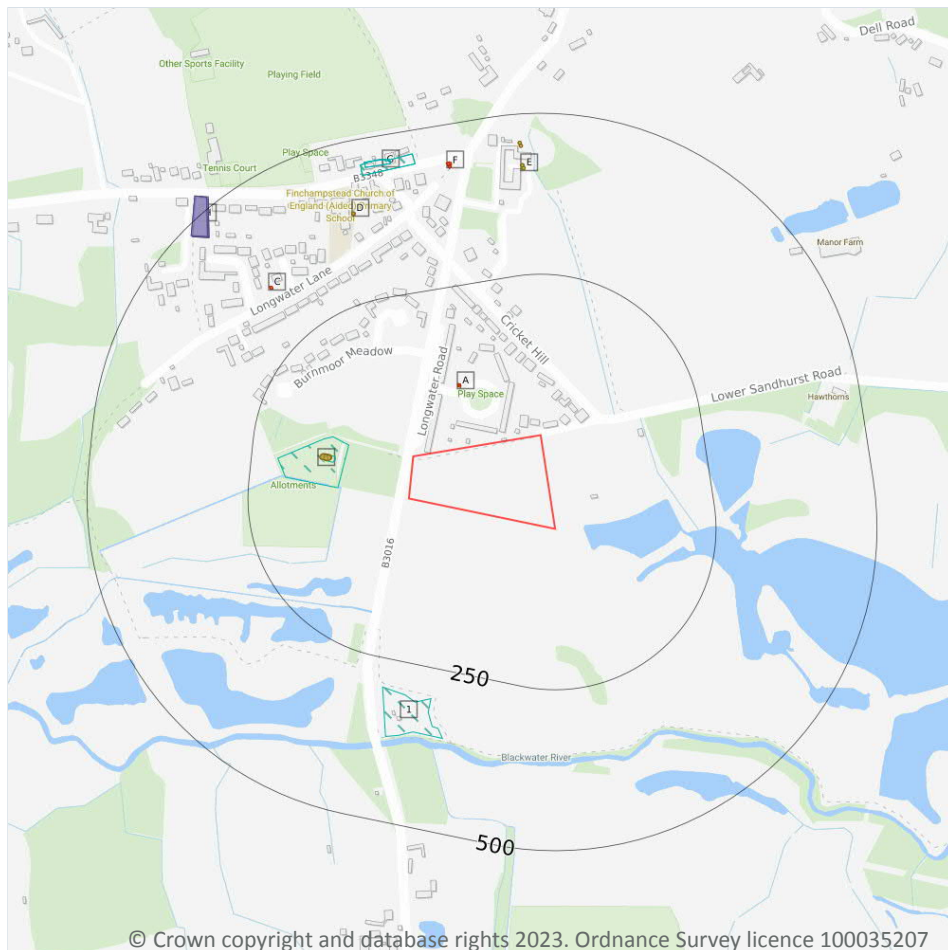
0

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

7

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

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

ID	Location	Land Use	Date	Group ID
B	102m W	Sewage Works	1977	1861429
B	120m W	Unspecified Tanks	1977	1870896
1	295m SW	Sewage Works	1977	1861430



ID	Location	Land Use	Date	Group ID
G	443m N	Smithy	1909	1903547
G	443m N	Smithy	1898	1903547
G	454m N	Smithy	1913	1903547
G	454m N	Smithy	1913	1903547

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	13
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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
B	126m W	Tanks	1973	314422
B	127m W	Tanks	1993	314422
D	386m NW	Unspecified Tank	1911	314412
D	386m NW	Unspecified Tank	1899	314412
D	386m NW	Unspecified Tank	1932	314412
E	413m N	Unspecified Tank	1995	321781
E	413m N	Unspecified Tank	1995	322722
E	418m N	Unspecified Tank	1990	320600
E	418m N	Unspecified Tank	1988	313847
E	448m N	Unspecified Tank	1995	324820
E	448m N	Unspecified Tank	1995	317828
E	453m N	Unspecified Tank	1990	313743
E	453m N	Unspecified Tank	1988	317723

This data is sourced from Ordnance Survey / Groundsure.



2.3 Historical energy features

Records within 500m

10

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	94m N	Electricity Substation	1973	205780
A	96m N	Electricity Substation	1996	204849
A	96m N	Electricity Substation	1993	204849
C	340m NW	Electricity Substation	1996	207428
C	340m NW	Electricity Substation	1993	207428
F	432m N	Electricity Substation	1995	209973
F	432m N	Electricity Substation	1995	209973
F	436m N	Electricity Substation	1973	202275
F	436m N	Electricity Substation	1990	202275
F	436m N	Electricity Substation	1988	202275

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'.



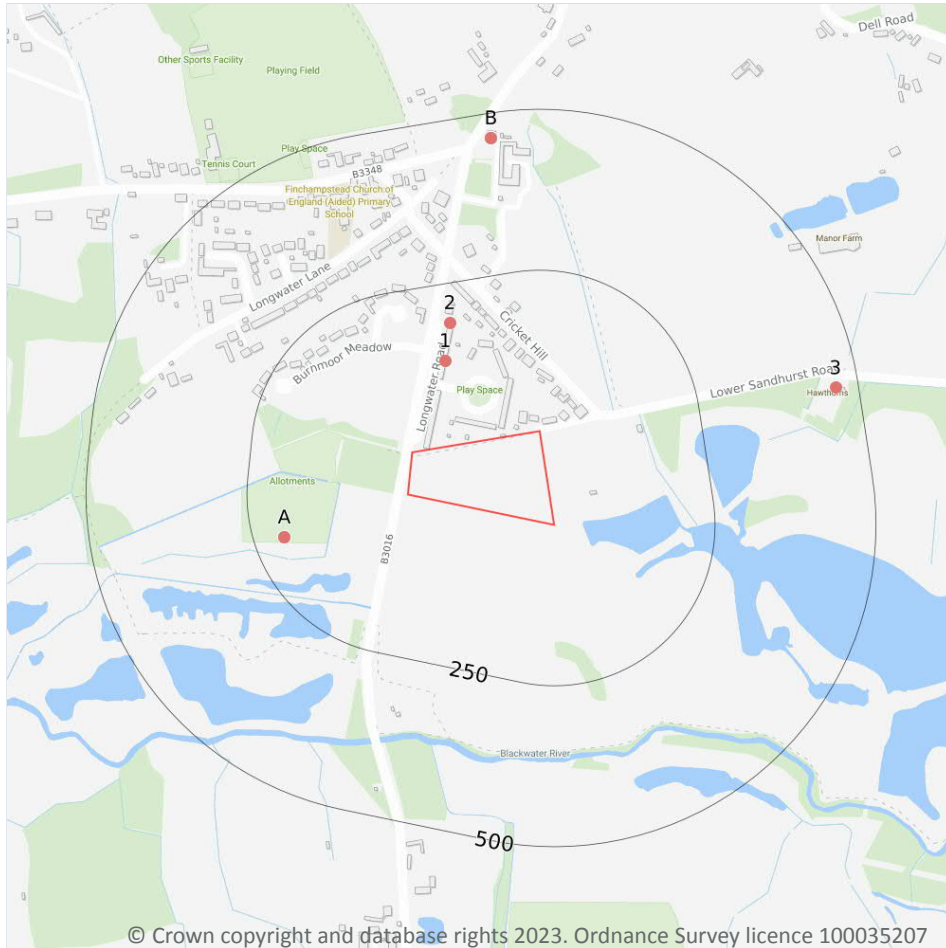
Features are displayed on the Past land use - un-grouped map on [page 19](#) >

ID	Location	Land Use	Date	Group ID
H	465m NW	Garage	1995	63935
H	465m NW	Garage	1995	63935
H	466m NW	Garage	1973	62934
H	468m NW	Garage	1990	63935
H	468m NW	Garage	1988	63935

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



— Site Outline
Search buffers in metres (m)
● Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m**0**

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m**0**

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

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

3.5 Historical waste sites

Records within 500m**0**

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

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

3.6 Licensed waste sites

Records within 500m**0**

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

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

3.7 Waste exemptions

Records within 500m**21**

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
1	131m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, BERKSHIRE, RG40 3TS	WEX102977	Using waste exemption	Not on a farm	Use of waste in construction
2	188m N	MANOR FARM, LONGWATER RIAD, BERKSHIRE, RG40 3TS	WEX351340	Using waste exemption	On a farm	Use of waste in construction
A	204m W	-	WEX127150	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
A	204m W	-	WEX127150	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
A	204m W	Finchampstead Allotment Site Long Water Road Near RG40 3TS	WEX268741	Treating waste exemption	Not on a farm	Aerobic composting and associated prior treatment
A	204m W	Finchampstead Allotment Site Long Water Road Near RG40 3TS	WEX268741	Treating waste exemption	Not on a farm	Treatment of waste wood and waste plant matter by chipping, shredding, cutting or pulverising
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Disposing of waste exemption	On a farm	Disposal by incineration
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Disposing of waste exemption	On a farm	Burning waste in the open
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Storing waste exemption	On a farm	Storage of waste in secure containers
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Treating waste exemption	On a farm	Screening and blending of waste
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Using waste exemption	On a farm	Use of waste in construction

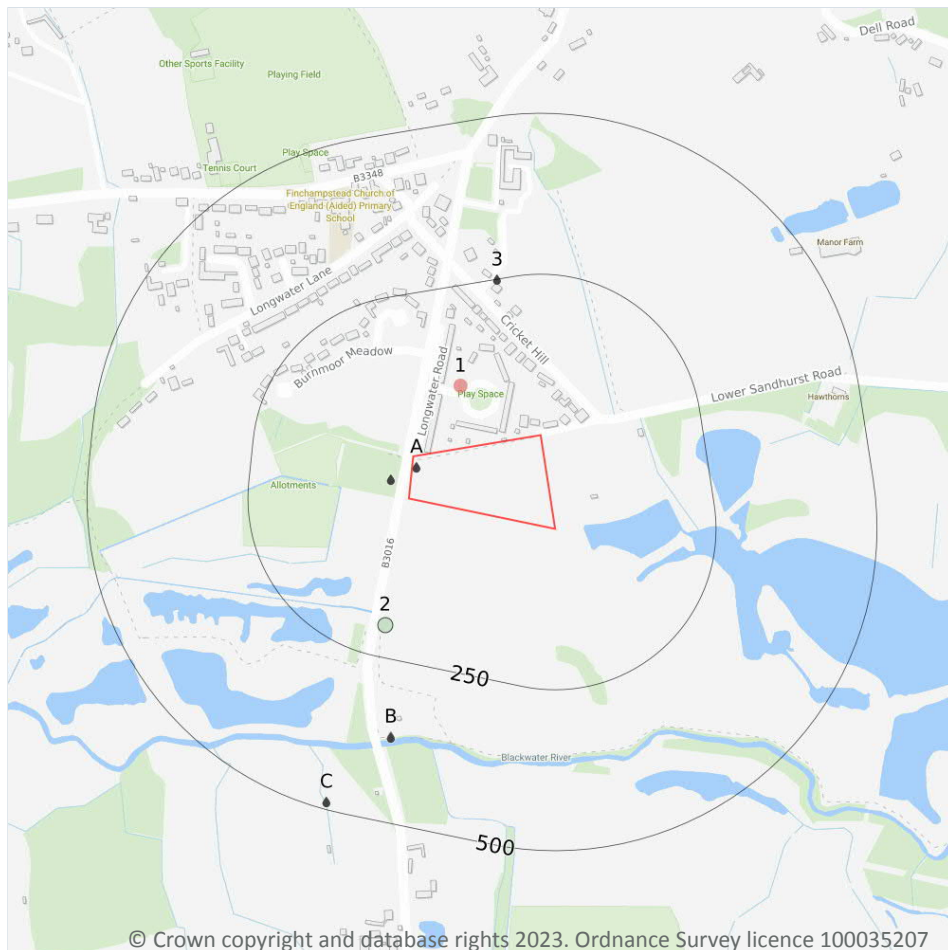


ID	Location	Site	Reference	Category	Sub-Category	Description
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Using waste exemption	On a farm	Use of mulch
B	461m N	MANOR FARM, LONGWATER ROAD, FINCHAMPSTEAD, WOKINGHAM, RG40 3TS	WEX122832	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	461m N	-	WEX262522	Using waste exemption	On a farm	Use of waste in construction
B	461m N	-	WEX262522	Using waste exemption	On a farm	Use of mulch
B	461m N	-	WEX262522	Using waste exemption	On a farm	Spreading of plant matter to confer benefit
B	461m N	-	WEX262522	Treating waste exemption	On a farm	Screening and blending of waste
B	461m N	-	WEX262522	Disposing of waste exemption	On a farm	Disposal by incineration
B	461m N	-	WEX262522	Disposing of waste exemption	On a farm	Burning waste in the open
B	461m N	-	WEX262522	Storing waste exemption	On a farm	Storage of waste in secure containers
3	464m E	Manor Farm 200m from, RG40 3TL	EPR/TH0373A P/A001	Using waste exemption	Non-Agricultural Waste Only	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 Discharges to controlled waters
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

1

Current potentially contaminative industrial sites.

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

ID	Location	Company	Address	Activity	Category
1	96m N	Electricity Sub Station	Berkshire, RG40	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.



4.2 Current or recent petrol stations

Records within 500m**0**

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.3 Electricity cables

Records within 500m**0**

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.4 Gas pipelines

Records within 500m**0**

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.5 Sites determined as Contaminated Land

Records within 500m**0**

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

This data is sourced from Local Authority records.

4.6 Control of Major Accident Hazards (COMAH)

Records within 500m**0**

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

This data is sourced from the Health and Safety Executive.

4.7 Regulated explosive sites

Records within 500m

0

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

This data is sourced from the Health and Safety Executive.

4.8 Hazardous substance storage/usage

Records within 500m

0

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

This data is sourced from Local Authority records.

4.9 Historical licensed industrial activities (IPC)

Records within 500m

0

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

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

4.10 Licensed industrial activities (Part A(1))

Records within 500m

0

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

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

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

Records within 500m

0

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

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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

4.13 Licensed Discharges to controlled waters

Records within 500m

13

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

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

ID	Location	Address	Details	
A	On site	GROUNDWATER RECHARGE SCHEME, MANOR FARM, LOWER SANDHURST ROAD, FINCHAMPSTEAD, BERKSHIRE, RG40 3TN	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CASM.1392 Permit Version: 1 Receiving Water: LAND-ALLUVIUM OVER LONDON CLAY	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 12/12/2005 Effective Date: 08/12/2005 Revocation Date: 20/12/2012
A	On site	GROUNDWATER RECHARGE SCHEME, MANOR FARM, LOWER SANDHURST ROAD, FINCHAMPSTEAD, BERKSHIRE, RG40 3TN	Effluent Type: TRADE DISCHARGES - PROCESS EFFLUENT - NOT WATER COMPANY Permit Number: CASM.1392 Permit Version: 2 Receiving Water: LAND-ALLUVIUM OVER LONDON CLAY	Status: SURRENDERED UNDER EPR 2010 Issue date: 21/12/2012 Effective Date: 21/12/2012 Revocation Date: 25/08/2015
A	30m W	Cricket Hill, Cricket Hill	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0776 Permit Version: 1 Receiving Water: BLACKWATER	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010
A	30m W	Cricket Hill, Cricket Hill	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0776 Permit Version: 2 Receiving Water: Blackwater	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 13/10/2015



ID	Location	Address	Details	
3	249m N	MOONRAKERS, CHURCH LANE, FINCHAMPSTEAD, WOKINGHAM, BERKSHIRE, RG40 4LN	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - NOT WATER COMPANY Permit Number: EPRSB3532AC Permit Version: 1 Receiving Water: TRIB OF BLACKWATER RIVER	Status: NEW ISSUED UNDER EPR 2010 Issue date: 12/06/2013 Effective Date: 12/06/2013 Revocation Date: -
B	368m S	Eversley Cross (Longwater), Eversley Cross (Longwater)	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: TEMP.2572 Permit Version: 2 Receiving Water: Blackwater	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 31/03/2016
B	368m S	Eversley Cross (Longwater), Eversley Cross (Longwater)	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: TEMP.2572 Permit Version: 1 Receiving Water: BLACKWATER	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010
B	369m S	EVERSLEY STW, EVERSLEY, HANTS, EVERSLEY STW, EVERSLEY, HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSC.1368 Permit Version: 2 Receiving Water: RIVER BLACKWATER	Status: MODIFIED - (WRA 91 SCHD 10 - AS AMENDED BY ENV ACT 1995) Issue date: 31/03/2005 Effective Date: 31/03/2005 Revocation Date: 31/12/2009
B	369m S	EVERSLEY STW, EVERSLEY, HANTS, EVERSLEY STW, EVERSLEY, HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSC.1368 Permit Version: 1 Receiving Water: RIVER BLACKWATER	Status: TRANSFERRED FROM COPA 1974 Issue date: 10/10/1985 Effective Date: 10/10/1985 Revocation Date: 30/03/2005
B	369m S	EVERSLEY STW, EVERSLEY, HANTS, EVERSLEY STW, EVERSLEY, HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSC.1368 Permit Version: 3 Receiving Water: RIVER BLACKWATER	Status: MODIFIED - (WRA 91 SCHD 10 - AS AMENDED BY ENV ACT 1995) Issue date: 25/09/2009 Effective Date: 01/01/2010 Revocation Date: 31/03/2010



ID	Location	Address	Details	
B	369m S	EVERSLEY STW, EVERSLEY, HANTS, EVERSLEY STW, EVERSLEY, HANTS	Effluent Type: SEWAGE DISCHARGES - FINAL/TREATED EFFLUENT - WATER COMPANY Permit Number: CSSC.1368 Permit Version: 4 Receiving Water: RIVER BLACKWATER	Status: MODIFIED - (WRA 91 SCHD 10 - AS AMENDED BY ENV ACT 1995) Issue date: 01/04/2010 Effective Date: 01/04/2010 Revocation Date: -
C	488m SW	Eversley, Longwater Lane, Eversley, Longwater Lane	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0929 Permit Version: 2 Receiving Water: Castle Bottom Stream	Status: SURRENDERED UNDER EPR 2010 Issue date: 03/09/2010 Effective Date: 03/09/2010 Revocation Date: 31/03/2016
C	488m SW	Eversley, Longwater Lane, Eversley, Longwater Lane	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: TEMP.0929 Permit Version: 1 Receiving Water: CASTLE BOTTOM STREAM	Status: TEMPORARY CONSENTS (WATER ACT 1989, SECTION 113) Issue date: 02/11/1989 Effective Date: 02/11/1989 Revocation Date: 02/09/2010

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m

0

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

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

4.15 Pollutant release to public sewer

Records within 500m

0

Discharges of Special Category Effluents to the public sewer.

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



4.16 List 1 Dangerous Substances

Records within 500m

0

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

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

4.17 List 2 Dangerous Substances

Records within 500m

0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

1

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 27 >](#)

ID	Location	Details	
2	199m SW	Incident Date: 15/08/2003 Incident Identification: 182506 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

Records within 500m

0

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

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



4.20 Pollution inventory waste transfers

Records within 500m

0

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

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

4.21 Pollution inventory radioactive waste

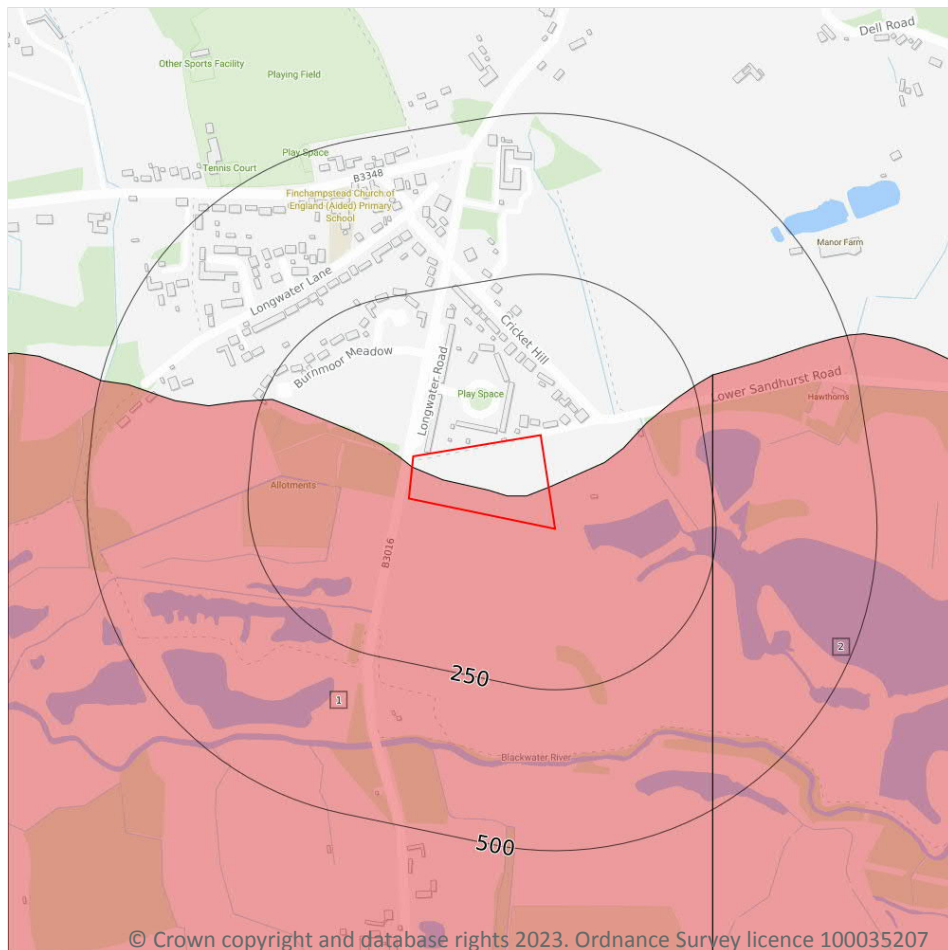
Records within 500m

0

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

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

5 Hydrogeology - Superficial aquifer



- Site Outline**
- Search buffers in metres (m)**
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive
 - Unknown

5.1 Superficial aquifer

Records within 500m

2

Aquifer status of groundwater held within superficial geology.

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

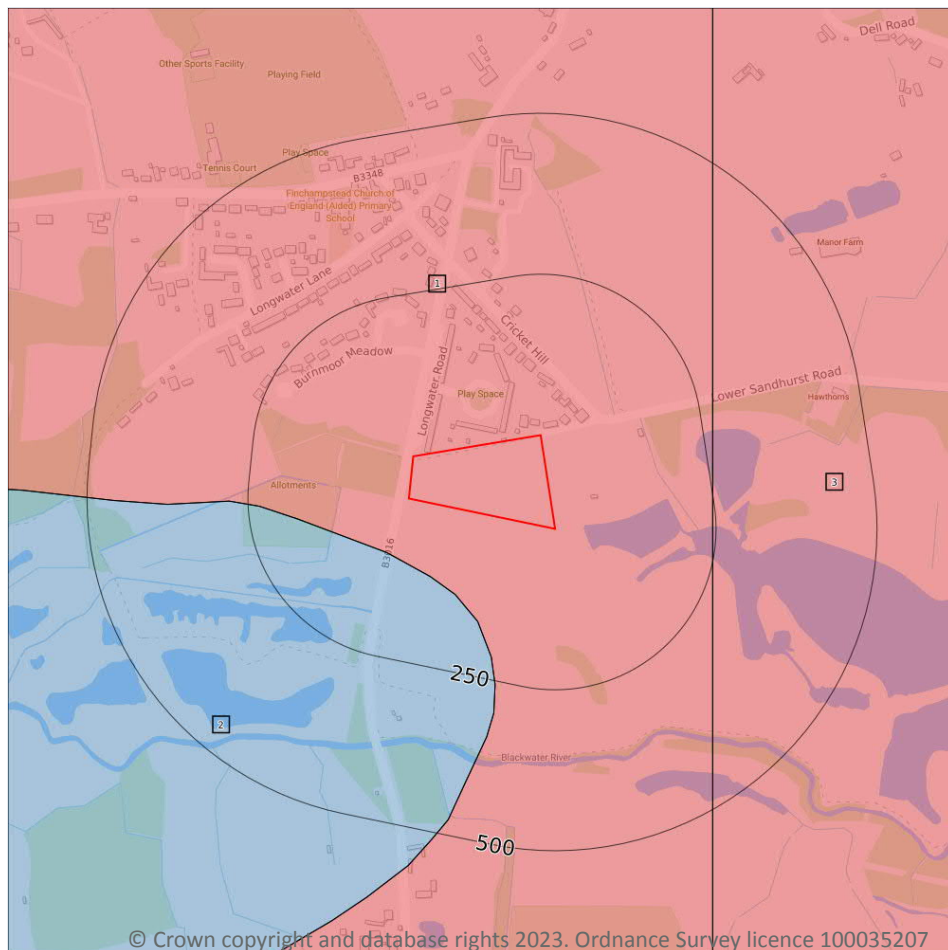
ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	245m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers



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



Bedrock aquifer



- Site Outline
- Search buffers in metres (m)
- Principal
 - Secondary A
 - Secondary B
 - Secondary Undifferentiated
 - Unproductive

5.2 Bedrock aquifer

Records within 500m

3

Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on [page 37](#) >

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	91m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

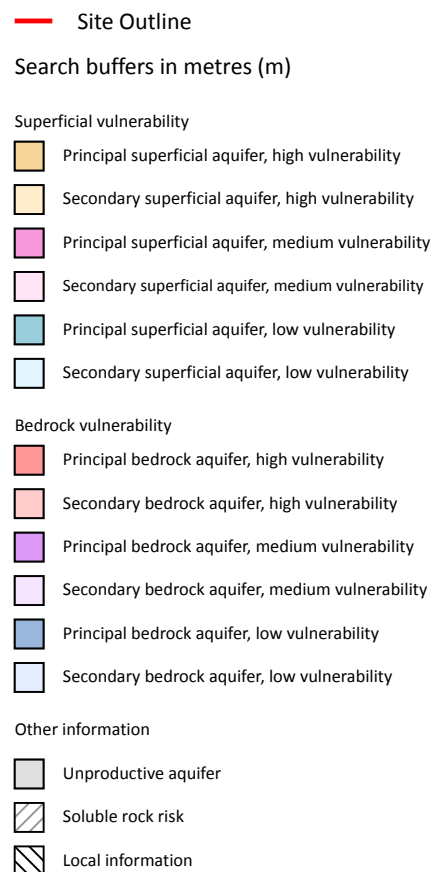
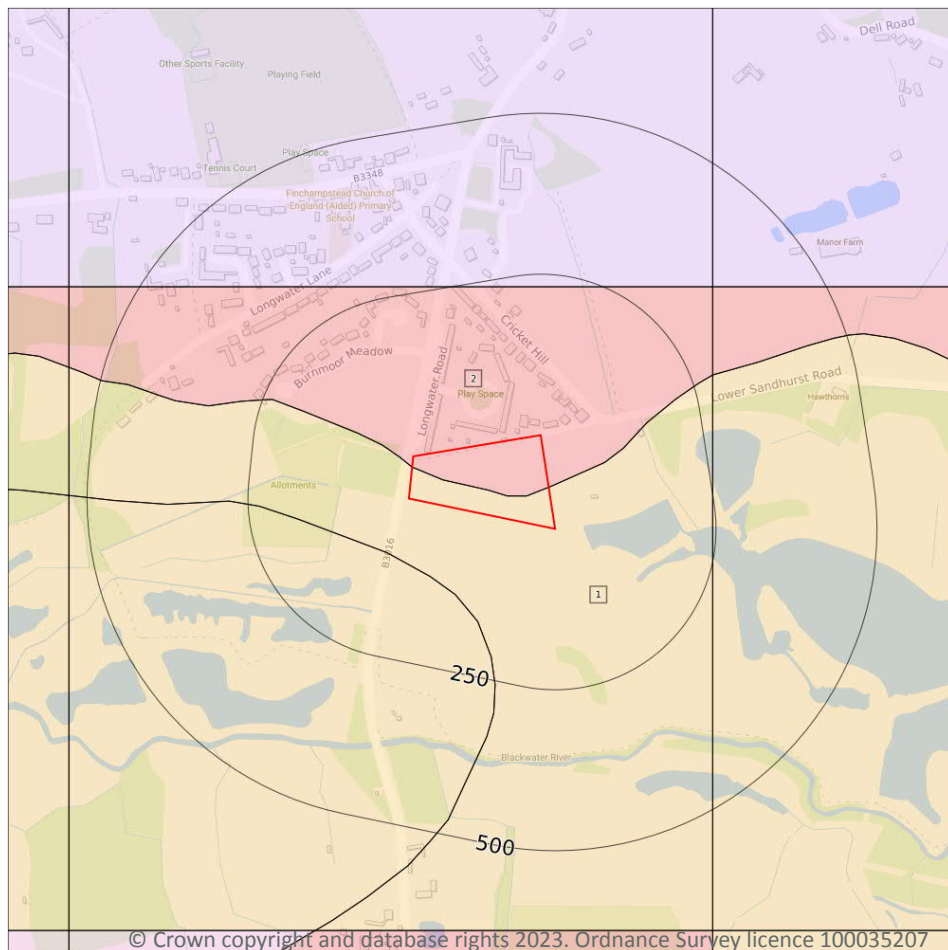


ID	Location	Designation	Description
3	245m E	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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



Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

2

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

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

Features are displayed on the Groundwater vulnerability map on [page 39](#) >



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

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

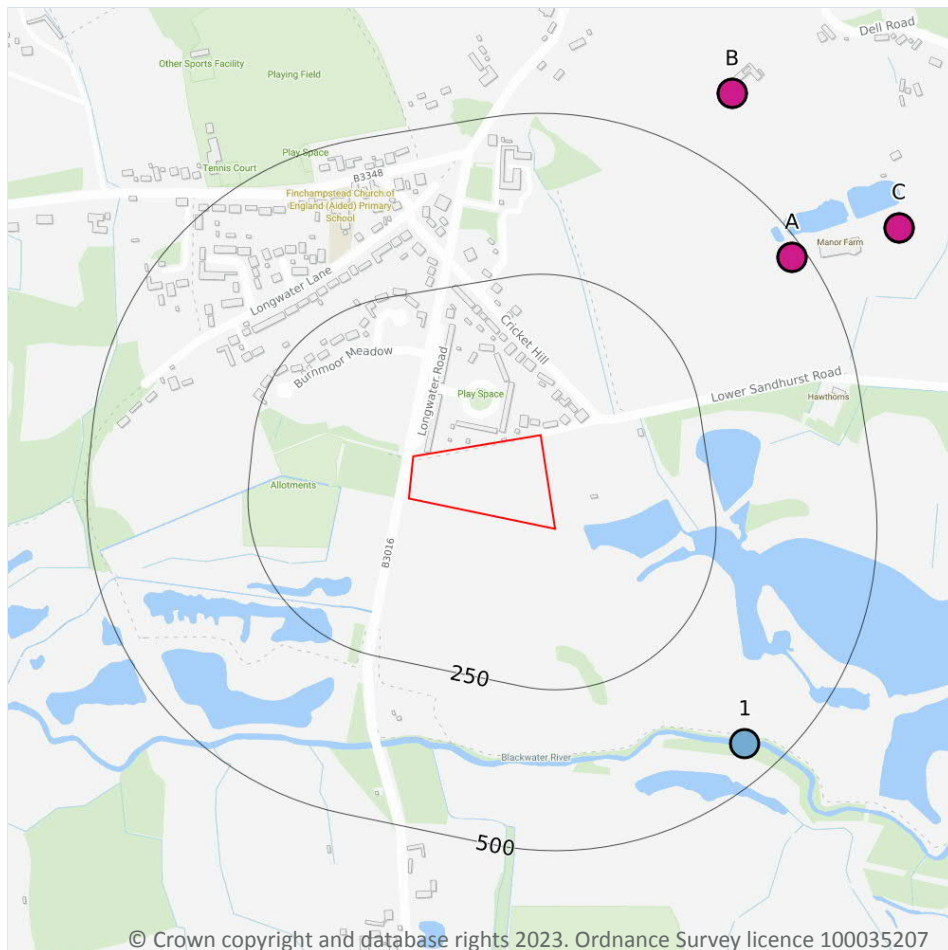
0

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

15

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 41](#) >



ID	Location	Details	
A	478m NE	Status: Active Licence No: TH/039/0024/018 Details: Trickle Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: MANOR FARM BOREHOLE A Data Type: Point Name: EU Plants Limited Easting: 480123 Northing: 163046	Annual Volume (m ³): 119262 Max Daily Volume (m ³): 576 Original Application No: NPS/NA/001175 Original Start Date: 04/04/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/09/2021 Version End Date: -
A	478m NE	Status: Active Licence No: TH/039/0024/018 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: MANOR FARM BOREHOLE A Data Type: Point Name: EU Plants Limited Easting: 480123 Northing: 163046	Annual Volume (m ³): 119262 Max Daily Volume (m ³): 576 Original Application No: NPS/NA/001175 Original Start Date: 04/04/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/09/2021 Version End Date: -
B	608m NE	Status: Active Licence No: TH/039/0024/018 Details: Trickle Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: MANOR FARM BOREHOLE C Data Type: Point Name: EU Plants Limited Easting: 480030 Northing: 163300	Annual Volume (m ³): 119262 Max Daily Volume (m ³): 576 Original Application No: NPS/NA/001175 Original Start Date: 04/04/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/09/2021 Version End Date: -
B	608m NE	Status: Active Licence No: TH/039/0024/018 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: MANOR FARM BOREHOLE C Data Type: Point Name: EU Plants Limited Easting: 480030 Northing: 163300	Annual Volume (m ³): 119262 Max Daily Volume (m ³): 576 Original Application No: NPS/NA/001175 Original Start Date: 04/04/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/09/2021 Version End Date: -
C	643m NE	Status: Active Licence No: TH/039/0024/018 Details: Spray Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: MANOR FARM BOREHOLE B Data Type: Point Name: EU Plants Limited Easting: 480289 Northing: 163092	Annual Volume (m ³): 119262 Max Daily Volume (m ³): 576 Original Application No: NPS/NA/001175 Original Start Date: 04/04/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/09/2021 Version End Date: -



ID	Location	Details	
C	643m NE	Status: Active Licence No: TH/039/0024/018 Details: Trickle Irrigation - Storage Direct Source: THAMES GROUNDWATER Point: MANOR FARM BOREHOLE B Data Type: Point Name: EU Plants Limited Easting: 480289 Northing: 163092	Annual Volume (m ³): 119262 Max Daily Volume (m ³): 576 Original Application No: NPS/NA/001175 Original Start Date: 04/04/2014 Expiry Date: 31/03/2028 Issue No: 2 Version Start Date: 24/09/2021 Version End Date: -
-	867m SE	Status: Active Licence No: 28/39/24/0202 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: GRAVEL PIT AT EVERSLEY QUARRY, FOX LANE, EVERSLEY CROSS HANTS Data Type: Point Name: CEMEX UK MATERIALS LIMITED Easting: 480309 Northing: 161956	Annual Volume (m ³): 1045602 Max Daily Volume (m ³): 3665 Original Application No: NPS/WR/030724 Original Start Date: 06/02/1991 Expiry Date: - Issue No: 107 Version Start Date: 21/12/2018 Version End Date: -
-	872m SE	Status: Historical Licence No: 28/39/24/0202 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: WET PIT AT CHANDLERS FARM MILL LANE YATELEY Data Type: Point Name: RMC AGGREGATES (SOUTHERN) LTD Easting: 480310 Northing: 161950	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 06/02/1991 Expiry Date: - Issue No: 102 Version Start Date: 05/02/2003 Version End Date: -
-	872m SE	Status: Historical Licence No: 28/39/24/0202 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: GRAVEL PIT AT EVERSLEY QUARRY, FOX LANE, EVERSLEY CROSS HANTS Data Type: Point Name: CEMEX UK MATERIALS LIMITED Easting: 480310 Northing: 161950	Annual Volume (m ³): 1045602 Max Daily Volume (m ³): 3665 Original Application No: - Original Start Date: 06/02/1991 Expiry Date: - Issue No: 105 Version Start Date: 07/05/2009 Version End Date: -



ID	Location	Details	
-	1110m SE	Status: Historical Licence No: 28/39/24/0202 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: WET PIT AT CHANDLERS FARM, MILL LANE, YATELEY Data Type: Point Name: RMC AGGREGATES (SOUTHERN) LTD Easting: 480500 Northing: 161800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 06/02/1991 Expiry Date: - Issue No: 101 Version Start Date: 01/01/1999 Version End Date: -
-	1211m SE	Status: Active Licence No: 28/39/24/0202 Details: Mineral Washing Direct Source: THAMES GROUNDWATER Point: GRAVEL PIT AT EVERSLEY QUARRY, FOX LANE, EVERSLEY CROSS HANTS Data Type: Point Name: CEMEX UK MATERIALS LIMITED Easting: 480727 Northing: 161900	Annual Volume (m ³): 1045602 Max Daily Volume (m ³): 3665 Original Application No: NPS/WR/030724 Original Start Date: 06/02/1991 Expiry Date: - Issue No: 107 Version Start Date: 21/12/2018 Version End Date: -
-	1220m SE	Status: Active Licence No: 28/39/24/0202 Details: Process Water Direct Source: THAMES GROUNDWATER Point: EVERSLEY QUARRY, FOX LANE, EVERSLEY CROSS, HANTS Data Type: Point Name: CEMEX UK MATERIALS LIMITED Easting: 480730 Northing: 161890	Annual Volume (m ³): 1045602 Max Daily Volume (m ³): 3665 Original Application No: NPS/WR/030724 Original Start Date: 06/02/1991 Expiry Date: - Issue No: 107 Version Start Date: 21/12/2018 Version End Date: -
-	1706m SE	Status: Active Licence No: 28/39/24/0218 Details: Spray Irrigation - Direct Direct Source: THAMES GROUNDWATER Point: BLACKWATER VALLEY GOLF CLUB, YATELEY - LAKE Data Type: Point Name: BLACKWATER VALLEY GOLF CENTRE LIMITED Easting: 481300 Northing: 161900	Annual Volume (m ³): 2000 Max Daily Volume (m ³): 27 Original Application No: - Original Start Date: 03/03/1995 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2008 Version End Date: -



ID	Location	Details	
-	1952m W	Status: Historical Licence No: 28/39/24/0163 Details: General Farming & Domestic Direct Source: THAMES GROUNDWATER Point: BANISTERS, FINCHAMPSTEAD - BOREHOLE Data Type: Point Name: BARLEY Easting: 477600 Northing: 163000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/11/1974 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2000 Version End Date: -
-	1952m W	Status: Historical Licence No: 28/39/24/0163 Details: Spray Irrigation - Spray Irrigation Definition Order Direct Source: THAMES GROUNDWATER Point: BANISTERS, FINCHAMPSTEAD - BOREHOLE Data Type: Point Name: BARLEY Easting: 477600 Northing: 163000	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/11/1974 Expiry Date: - Issue No: 101 Version Start Date: 01/04/2000 Version End Date: -

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

5.7 Surface water abstractions

Records within 2000m

1

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.

Features are displayed on the Abstractions and Source Protection Zones map on [page 41 >](#)

ID	Location	Details	
1	445m SE	Status: Historical Licence No: 28/39/24/0249 Details: Transfer Between Sources (Pre Water Act 2003) Direct Source: THAMES SURFACE WATER - NON TIDAL Point: RIVER BLACKWATER AT EVERSLEY QUARRY MANOR FARM FINCHAMPSTEAD Data Type: Point Name: CEMEX UK MATERIALS LIMITED Easting: 480050 Northing: 162290	Annual Volume (m ³): 438000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 14/03/2006 Expiry Date: 31/03/2016 Issue No: 1 Version Start Date: 14/03/2006 Version End Date: -

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



5.8 Potable abstractions

Records within 2000m

0

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

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

5.9 Source Protection Zones

Records within 500m

0

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

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m

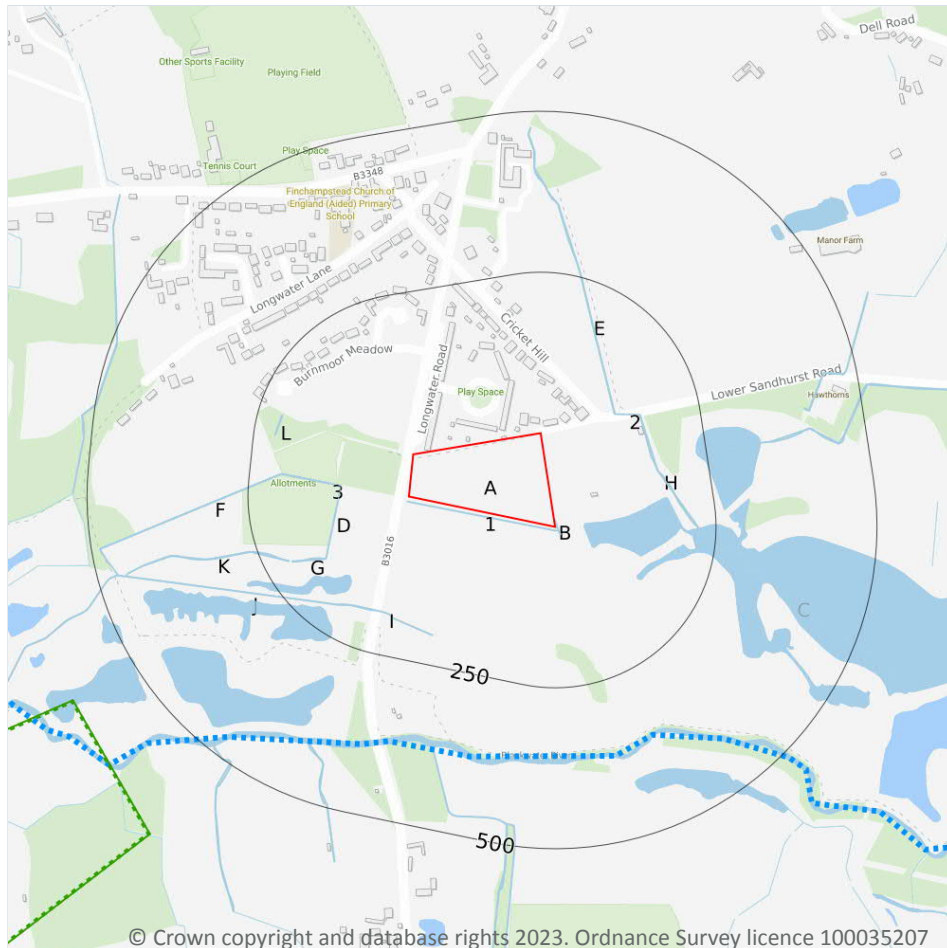
0

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

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



6 Hydrology



- Site Outline
- Search buffers in metres (m)
- Water Network (OS MasterMap)
- Surface water features (wider than 5m)
- Surface water features (narrower than 5m)
- ⋯ WFD River, canal and surface water transfer water bodies
- WFD Lake water bodies
- WFD Transitional and coastal water bodies
- WFD Surface water body catchments boundaries
- WFD Groundwater body boundaries

6.1 Water Network (OS MasterMap)

Records within 250m

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 47 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
B	1m SE	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
1	5m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
B	8m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
D	106m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
2	118m NE	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
E	118m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	122m W	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
F	125m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	156m NE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	161m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	183m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	183m SW	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
J	184m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	190m SW	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
K	211m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	212m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	223m E	Lake, loch or reservoir.	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

12

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 47 >](#)

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 47 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Blackwater (Hawley to Whitewater confluence at Bramshill)	GB106039017290	Loddon	Loddon and Trib

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 47 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
6	356m S	River	Blackwater (Hawley to Whitewater confluence at Bramshill)	GB106039017290 ↗	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

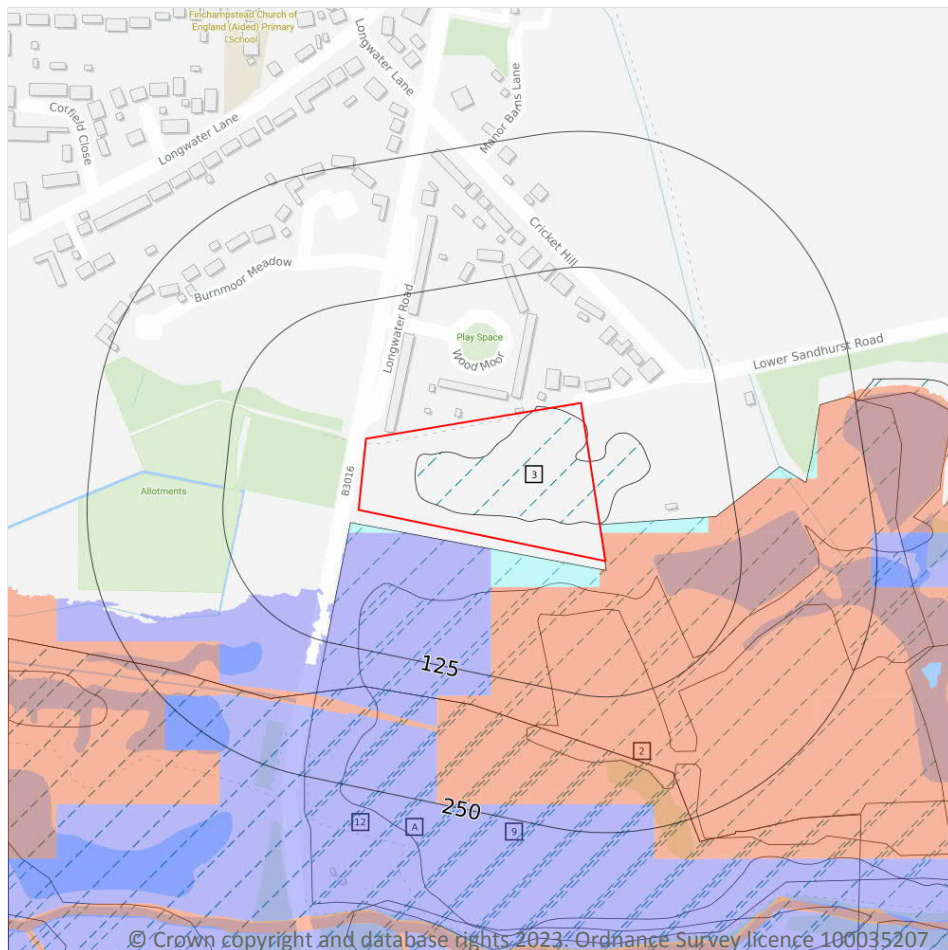
Groundwater bodies are also covered by the Directive and the same regime of objectives and reporting detailed in the previous section is in place. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each groundwater body listed.

Features are displayed on the Hydrology map on [page 47 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Farnborough Bagshot Beds	GB40602G601300 ↗	Good	Good	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

7

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 51](#) >



Distance	Flood risk category
On site	High
0 - 50m	High

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

7.2 Historical Flood Events

Records within 250m	5
----------------------------	----------

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.

Features are displayed on the River and coastal flooding map on [page 51 >](#)

ID	Location	Event name	Date of flood	Flood source	Flood cause	Type of flood
2	On site	Thames Se Area July 2007	2007-07-20 2007-07-21	Main river	Channel capacity exceeded (no raised defences)	Fluvial
3	On site	South West England	2014-01-30 2014-02-10	Unclassified	Unclassified	No data
9	27m SE	South West England	2014-01-30 2014-02-10	Unclassified	Unclassified	No data
12	154m S	06septemberautumn 1968	1968-01-01 1968-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial
A	154m S	06marchspring1947	1947-01-01 1947-12-12	Main river	Channel capacity exceeded (no raised defences)	Fluvial

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

7.3 Flood Defences

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

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

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



7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

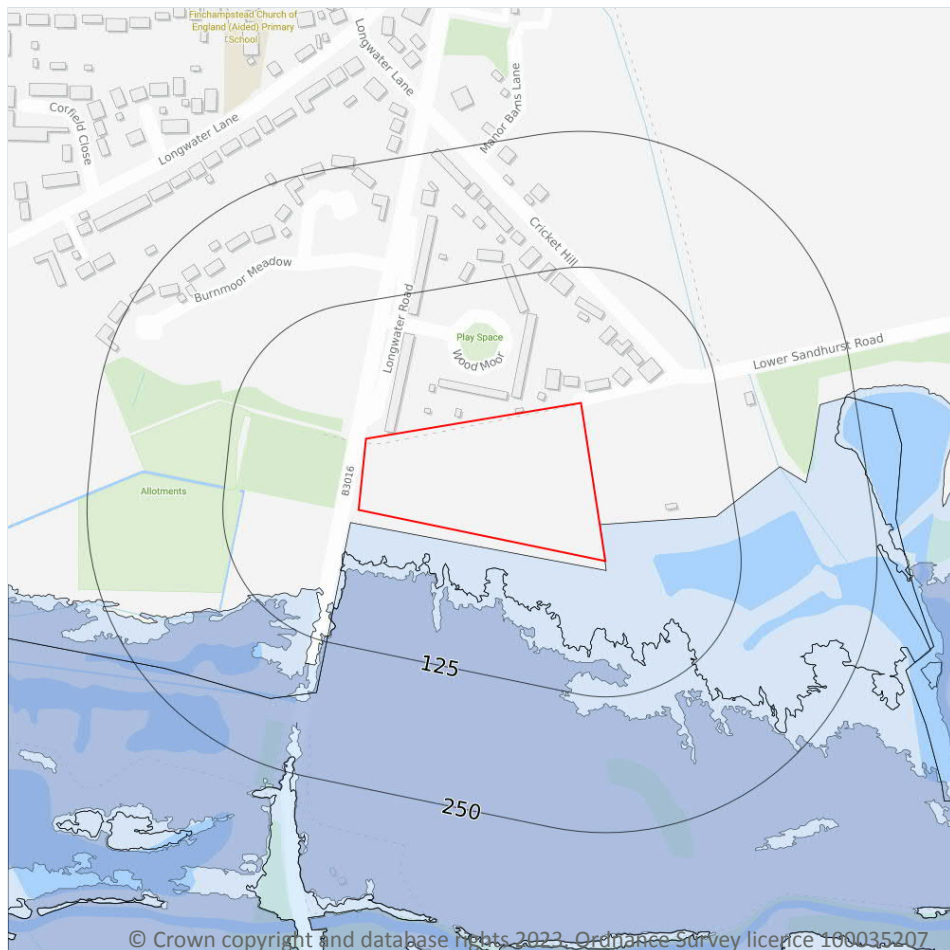
0

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

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



River and coastal flooding - Flood Zones



- 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 51](#) >

Location	Type
On site	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 51](#) >

Location	Type
43m SW	Zone 3 - (Fluvial 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 30 year, 0.3m - 1.0m

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 56 >](#)

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.

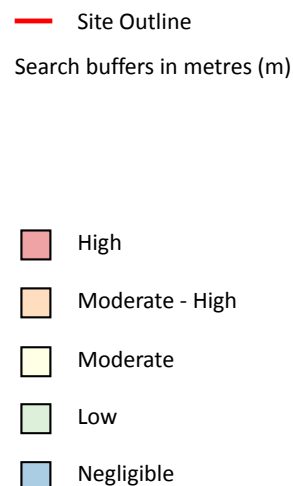
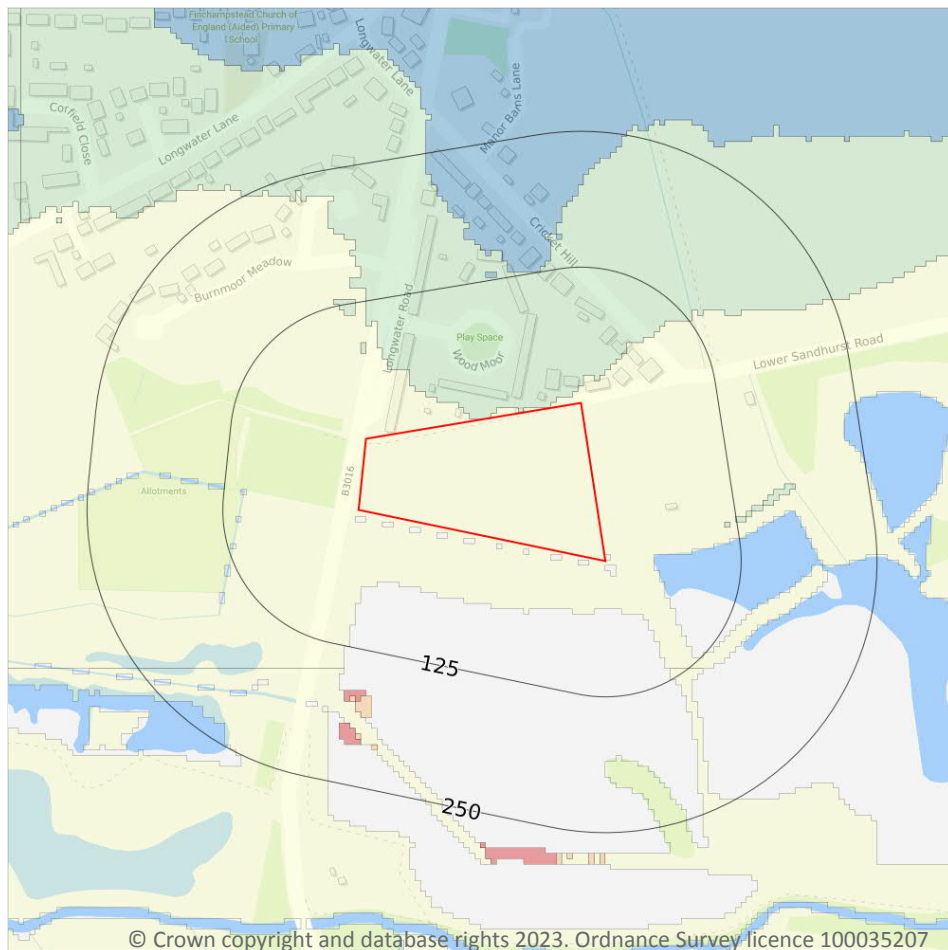
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m and 1.0m
1 in 250 year	Between 0.3m and 1.0m
1 in 100 year	Between 0.3m and 1.0m
1 in 30 year	Between 0.3m and 1.0m

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

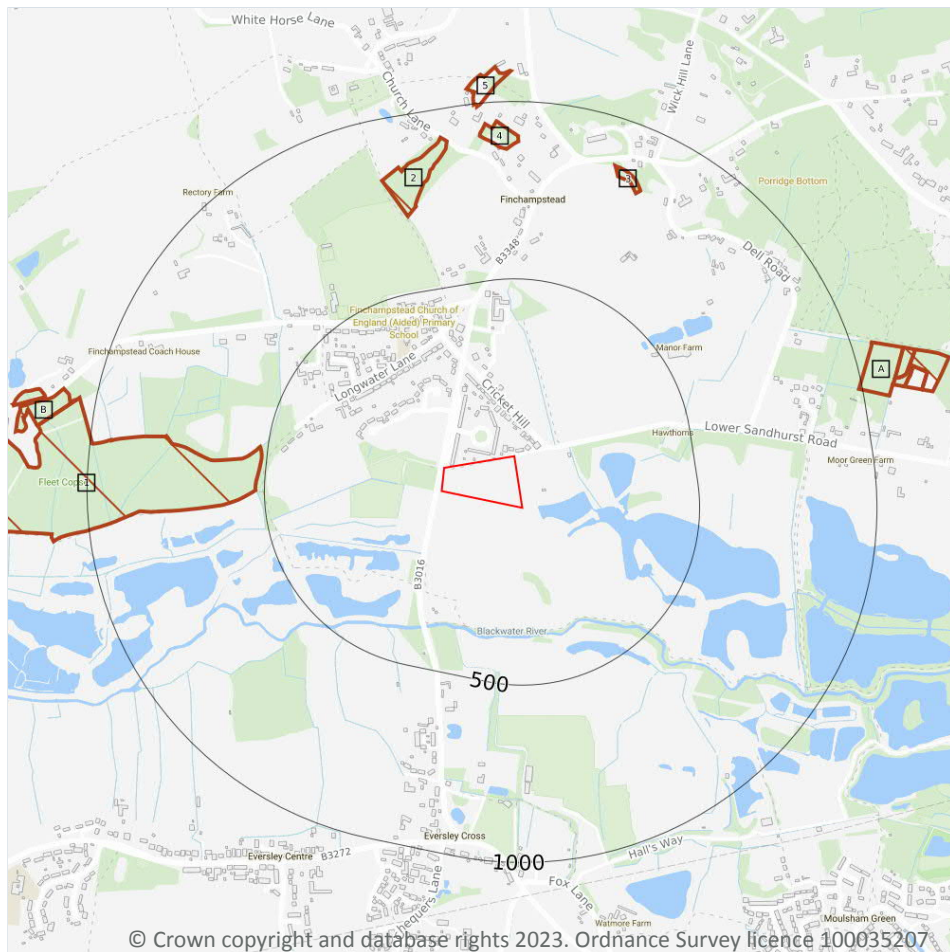
Moderate

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

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

This data is sourced from Ambienta Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Designated Ancient Woodland

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

0

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

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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m**0**

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

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m**0**

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m**0**

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

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

10.5 National Nature Reserves (NNR)

Records within 2000m**0**

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

19

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 59 >](#)

ID	Location	Name	Woodland Type
1	515m W	Fleet Copse(tithe: The Fleet)	Ancient & Semi-Natural Woodland
2	716m N	Unknown	Ancient & Semi-Natural Woodland
3	816m NE	(Tithe: Nut Shaw)	Ancient & Semi-Natural Woodland
4	866m N	Pie Hill(tithe: Lions Copse)	Ancient & Semi-Natural Woodland
A	990m E	(Tithe: Both=the Copse)	Ancient & Semi-Natural Woodland
5	991m N	Pie Hill(tithe: Pie Hill)	Ancient & Semi-Natural Woodland
B	1056m W	Fleet Copse(tithe: The Fleet)	Ancient & Semi-Natural Woodland
A	1087m E	(Tithe: 756=heath Copse)	Ancient & Semi-Natural Woodland
A	1096m E	(Tithe: Burchetts)	Ancient & Semi-Natural Woodland
A	1118m E	(Tithe: Heath Copse)	Ancient & Semi-Natural Woodland
B	1142m W	Unknown	Ancient & Semi-Natural Woodland
-	1379m E	(Tithe: Home Copse)	Ancient & Semi-Natural Woodland
-	1476m SW	Lower Eversley Copse	Ancient & Semi-Natural Woodland
-	1625m E	Fishers Copse(tithe: Fishers Copse)	Ancient & Semi-Natural Woodland
-	1688m E	Fishers Copse (Tithe: 46=long Moor Coppice)	Ancient & Semi-Natural Woodland
-	1762m W	Banisters Copse(tithe: Banisters Copse)	Ancient & Semi-Natural Woodland



ID	Location	Name	Woodland Type
-	1817m E	Fishers Copse (Tithe: Long Moor Coppice)	Ancient & Semi-Natural Woodland
-	1820m E	(Tithe: Fishers Copse)	Ancient & Semi-Natural Woodland
-	1932m N	(Tithe: Wix Hill)	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**2**

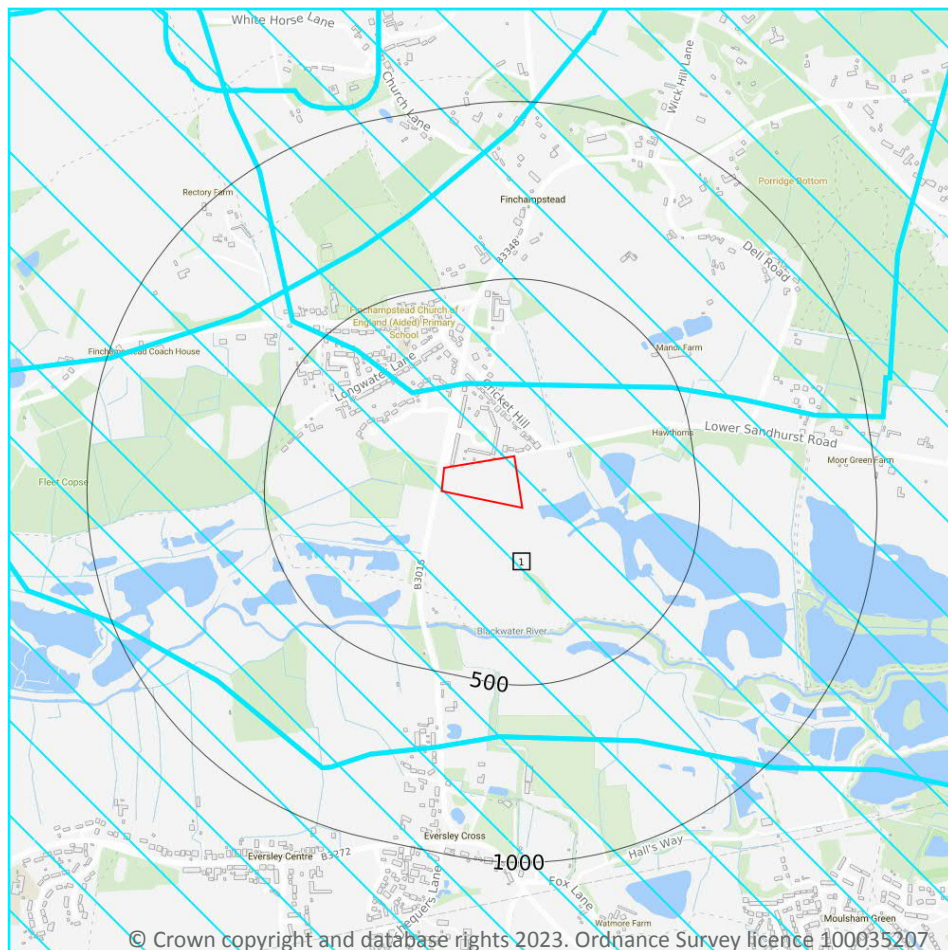
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
839m N	Barkham Brook NVZ	Surface Water	449	Existing
1285m NE	Emm Brook NVZ	Surface Water	460	Existing

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



SSSI Impact Zones and Units



- Site Outline
- Search buffers in metres (m)
- SSSI Impact Risk Zones
- SSSI Units
- Not recorded
- Favourable
- Unfavourable - Recovering
- Unfavourable - No change
- Unfavourable - Declining
- Partially destroyed
- Destroyed

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 65](#) >

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Airports, helipads and other aviation proposals. Wind and Solar - 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. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 750m², manure stores > 3500t). Combustion - General combustion processes >50MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion. Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. Notes: Strategic solutions for recreational impacts are in place. Please contact your Local Planning Authority as they have the information to advise on specific requirements.

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0
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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.

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

11 Visual and cultural designations



- Site Outline
- Search buffers in metres (m)
- Listed buildings
- Conservation areas
- Conservation areas - no data
- National Parks
- Areas of Outstanding Natural Beauty
- Registered parks and gardens
- Scheduled Monuments
- World Heritage Sites

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m**0**

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

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

11.3 National Parks

Records within 250m**0**

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

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

11.4 Listed Buildings

Records within 250m**0**

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

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

11.5 Conservation Areas

Records within 250m**1**

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



Features are displayed on the Visual and cultural designations map on [page 67](#) >

ID	Location	Name	District	Date of designation
1	On site	The Local Authority for this area have not supplied conservation area data.		-

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

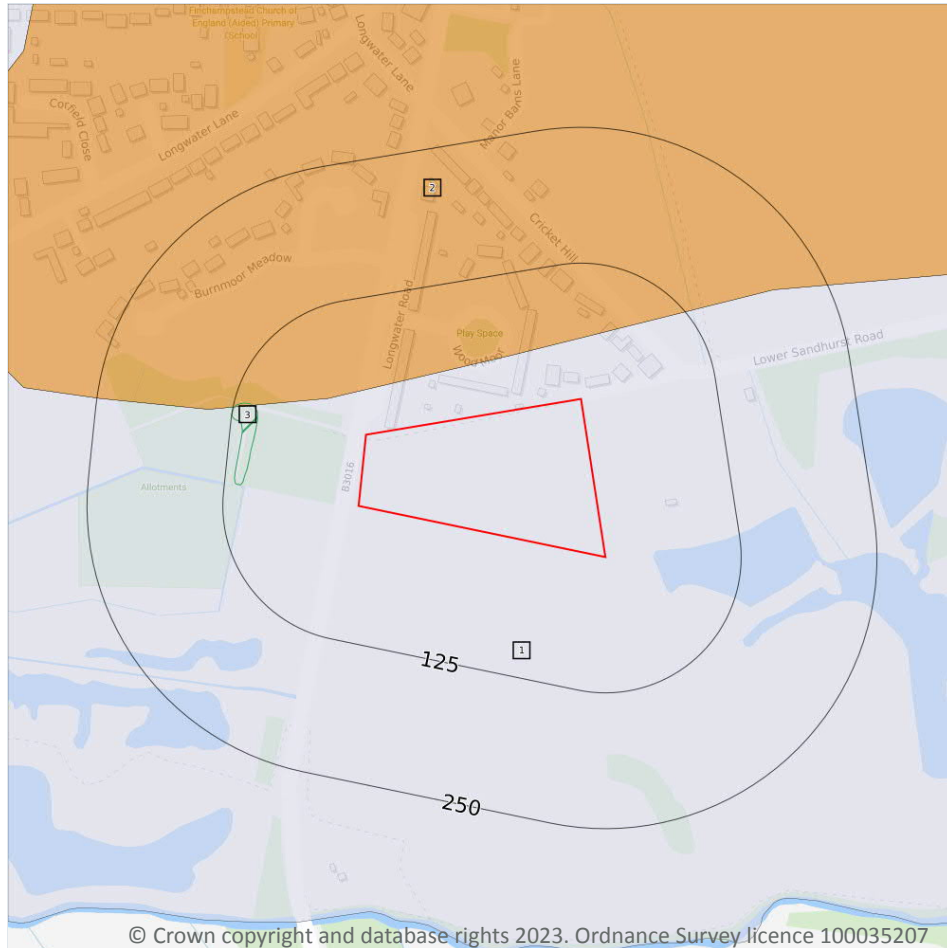
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Parks and gardens assessed to be of particular interest and of special historic interest. The emphasis being on 'designed' landscapes, rather than on planting or botanical importance. Registration is a 'material consideration' in the planning process, 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

2

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 70](#) >

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



ID	Location	Classification	Description
2	41m NW	Grade 3	Good to moderate quality agricultural land. Land with moderate limitations which affect the choice of crops, timing and type of cultivation, harvesting or the level of yield. Where more demanding crops are grown yields are generally lower or more variable than on land in Grades 1 and 2.

This data is sourced from Natural England.

12.2 Open Access Land

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

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

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

12.3 Tree Felling Licences

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

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

Features are displayed on the Agricultural designations map on [page 70 >](#)

ID	Location	Description	Reference	Application date
3	101m W	Clear Fell (Unconditional)	019/579/11-12	03/05/2012

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

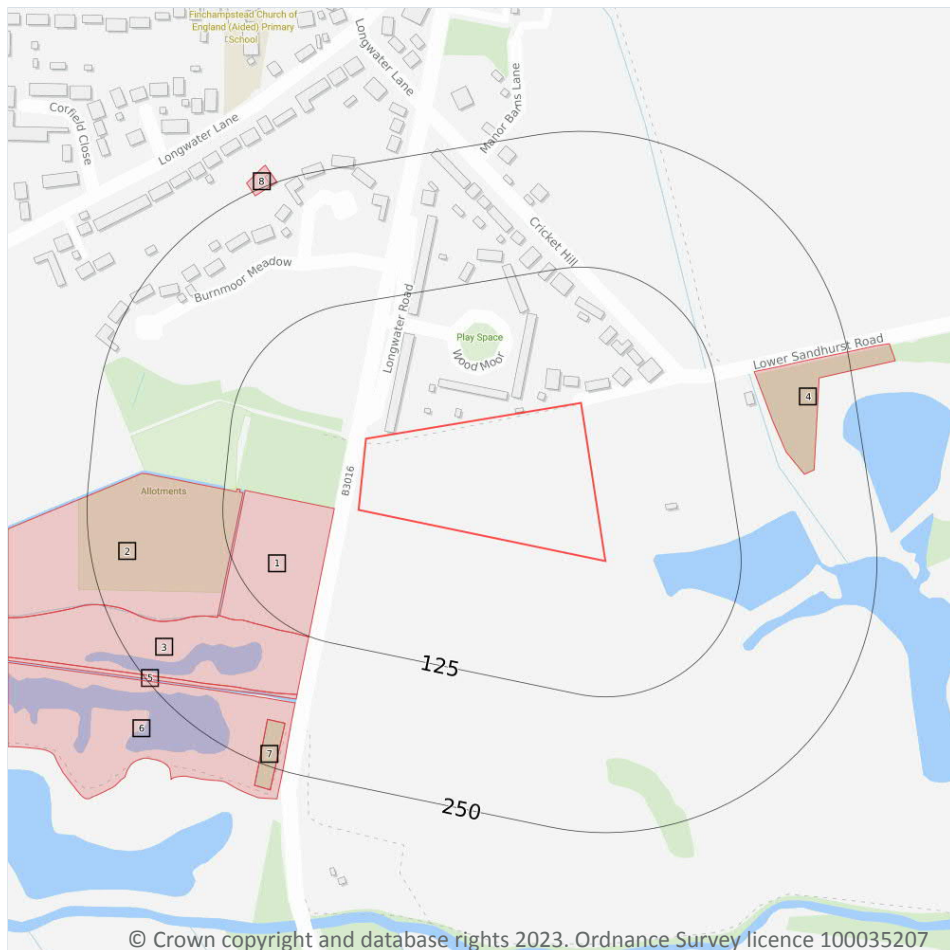
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Countryside Stewardship covers a range of schemes that provide financial incentives to farmers, foresters and land managers to look after and improve the environment. Main objectives are to improve the farmed environment for wildlife and to reduce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

This data is sourced from Natural England.



13 Habitat designations



- 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

8

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 73 >](#)

ID	Location	Main Habitat	Other habitats
1	22m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
2	108m W	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
3	126m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
4	162m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)



ID	Location	Main Habitat	Other habitats
5	179m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
6	187m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
7	208m SW	Coastal and floodplain grazing marsh	Main habitat: CFPGM (INV > 50%)
8	246m NW	Traditional orchard	Overruled by Traditional Orchards HAP Inventory dataset

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

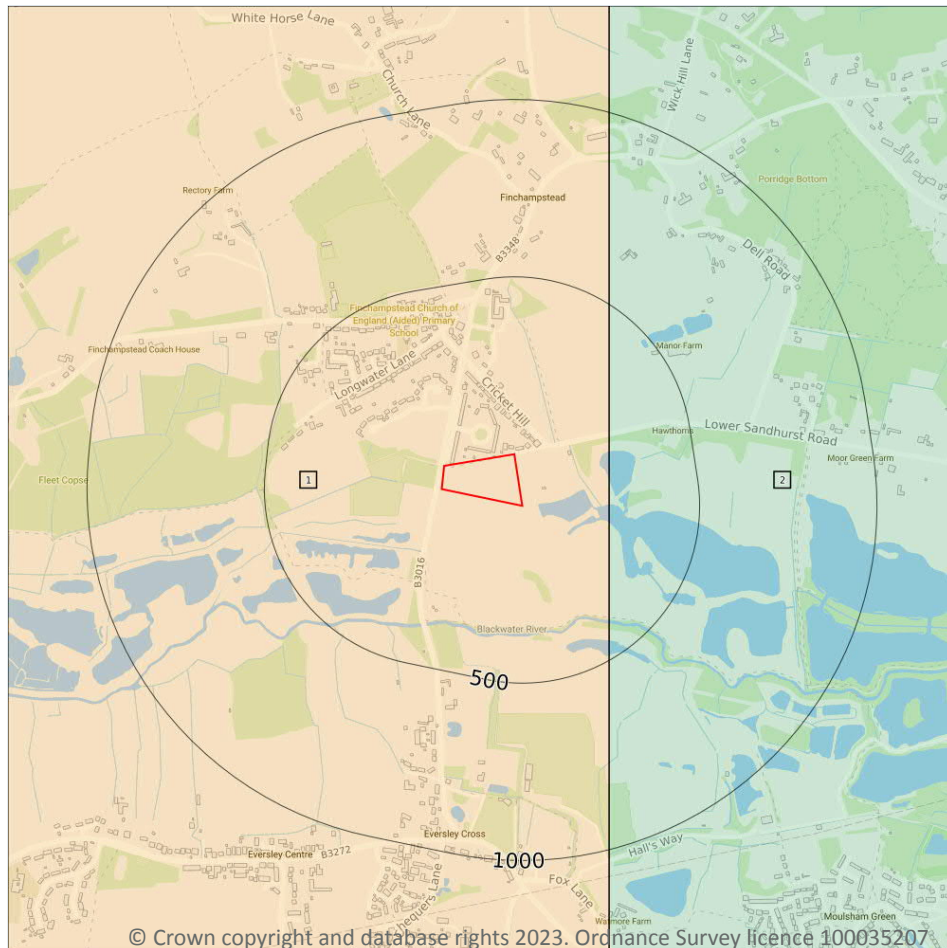
Records within 250m

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.

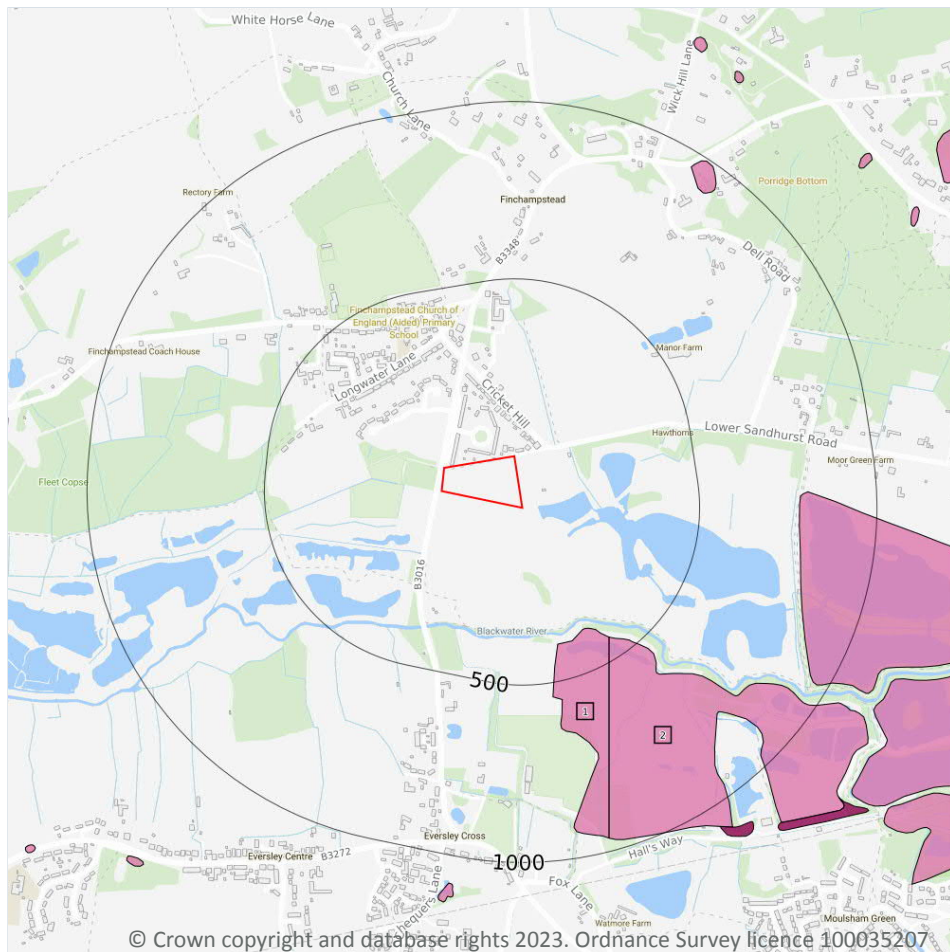
Features are displayed on the Geology 1:10,000 scale - Availability map on [page 75](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Partial	Partial	No coverage	SU76SE
2	245m E	Full	Full	Full	No coverage	SU86SW

This data is sourced from the British Geological Survey.



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



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

14.2 Artificial and made ground (10k)

Records within 500m

2

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.

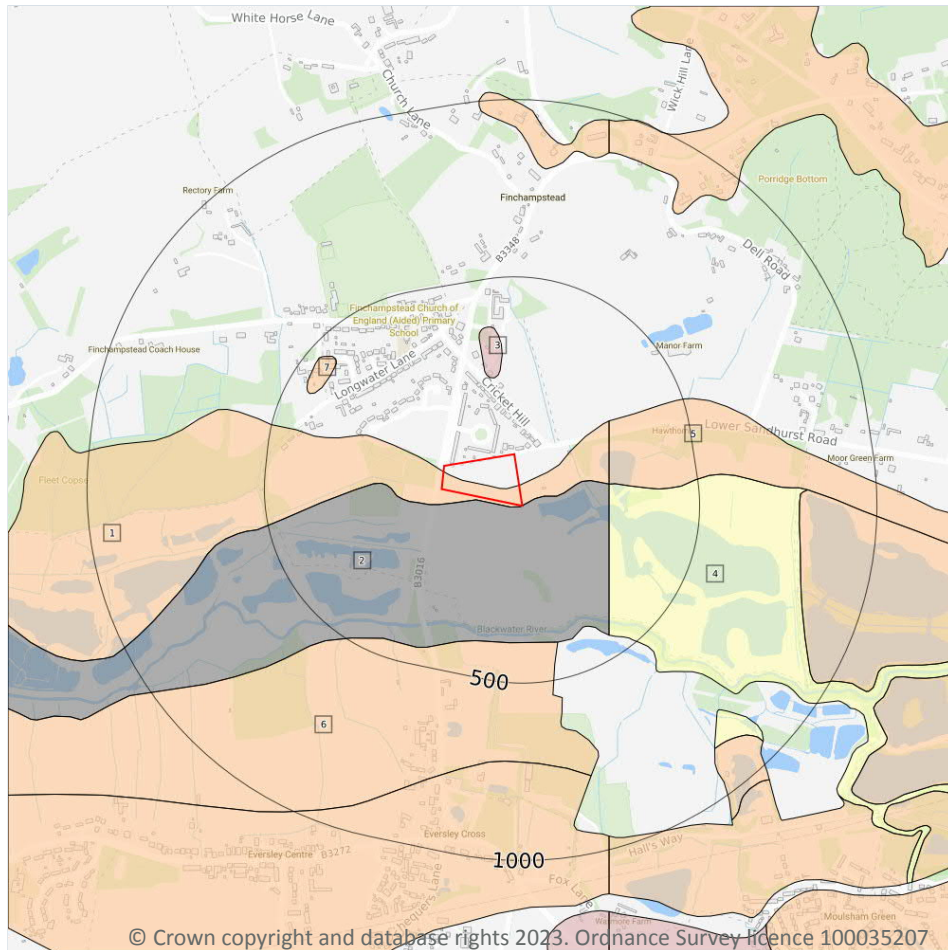
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on [page 76](#) >

ID	Location	LEX Code	Description	Rock description
1	383m SE	WGR-VOID	Worked Ground (Undivided)	Void
2	439m SE	WGR-UNKNOWN	Worked 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

7

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 77](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel
2	On site	ALV-Z	Alluvium - Silt (unlithified Deposits Coding Scheme)	Silt
3	221m N	HEAD-XVSZC	Head - Gravel, Sand, Silt And Clay	Gravel, Sand, Silt And Clay



ID	Location	LEX Code	Description	Rock description
4	245m E	ALV-XSZC	Alluvium - Sand, Silt And Clay	Sand, Silt And Clay
5	251m E	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel
6	386m S	RTD2-XSV	River Terrace Deposits, 2 - Sand And Gravel	Sand And Gravel
7	409m NW	RTD4-XSV	River Terrace Deposits, 4 - Sand And Gravel	Sand And Gravel

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



— Site Outline

Search buffers in metres (m)

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

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

14.5 Bedrock geology (10k)

Records within 500m

5

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 79 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	BGS-SANDU	Bagshot Formation - Sand	Eocene Epoch
2	95m SW	LC-CLSISA	London Clay Formation - Clay, Silt And Sand	Eocene Epoch
3	135m N	WIDS-SANDU	Windlesham Formation - Sand	Eocene Epoch



ID	Location	LEX Code	Description	Rock age
4	245m E	BGS-SANDU	Bagshot Formation - Sand	Eocene Epoch
6	440m NE	WIDS-SANDU	Windlesham Formation - Sand	Eocene Epoch

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m

1

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.

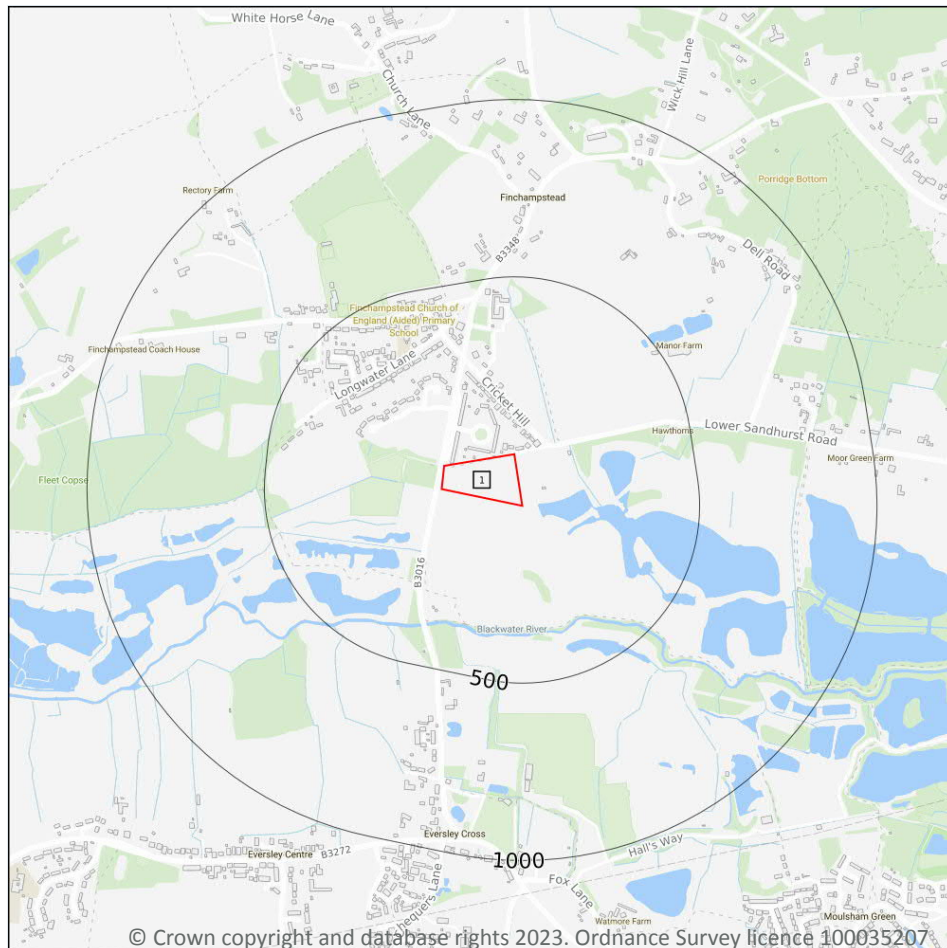
Features are displayed on the Geology 1:10,000 scale - Bedrock map on [page 79 >](#)

ID	Location	Category	Description
5	349m NW	FAULT	Normal fault, inferred

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.

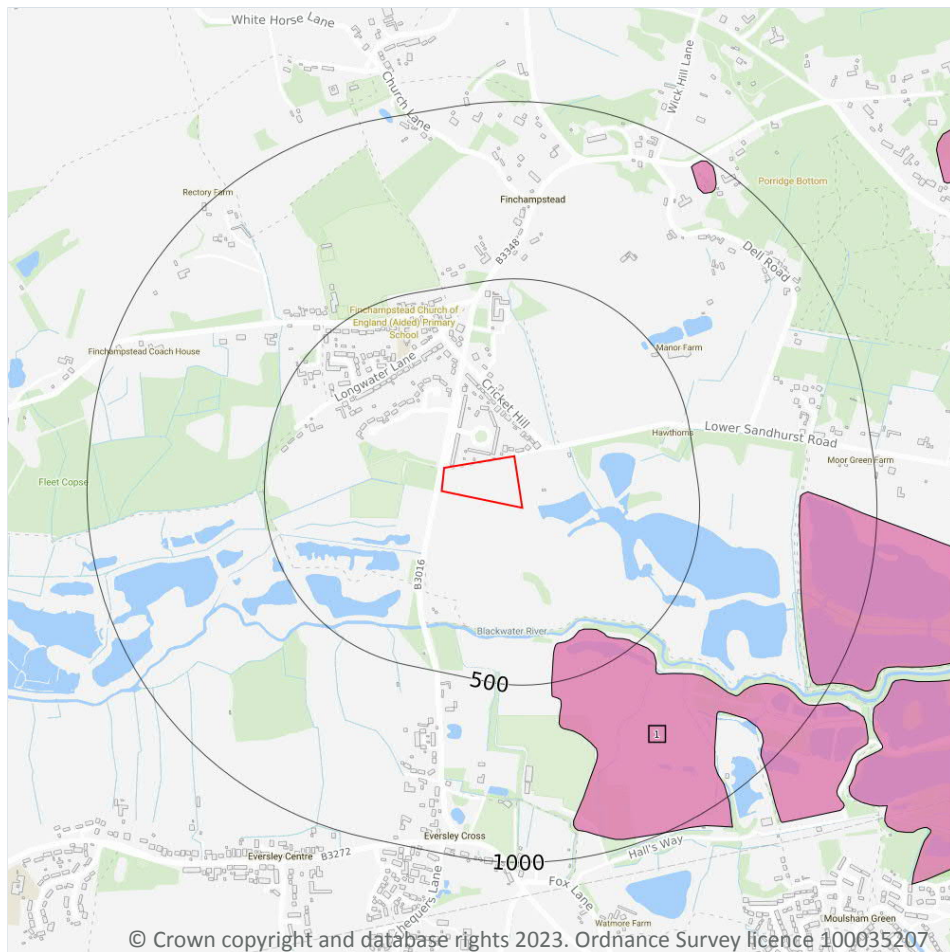
Features are displayed on the Geology 1:50,000 scale - Availability map on [page 81](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	EW268_reading_v4

This data is sourced from the British Geological Survey.



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



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

15.2 Artificial and made ground (50k)

Records within 500m

1

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on [page 82](#) >

ID	Location	LEX Code	Description	Rock description
1	382m SE	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.



15.3 Artificial ground permeability (50k)

Records within 50m

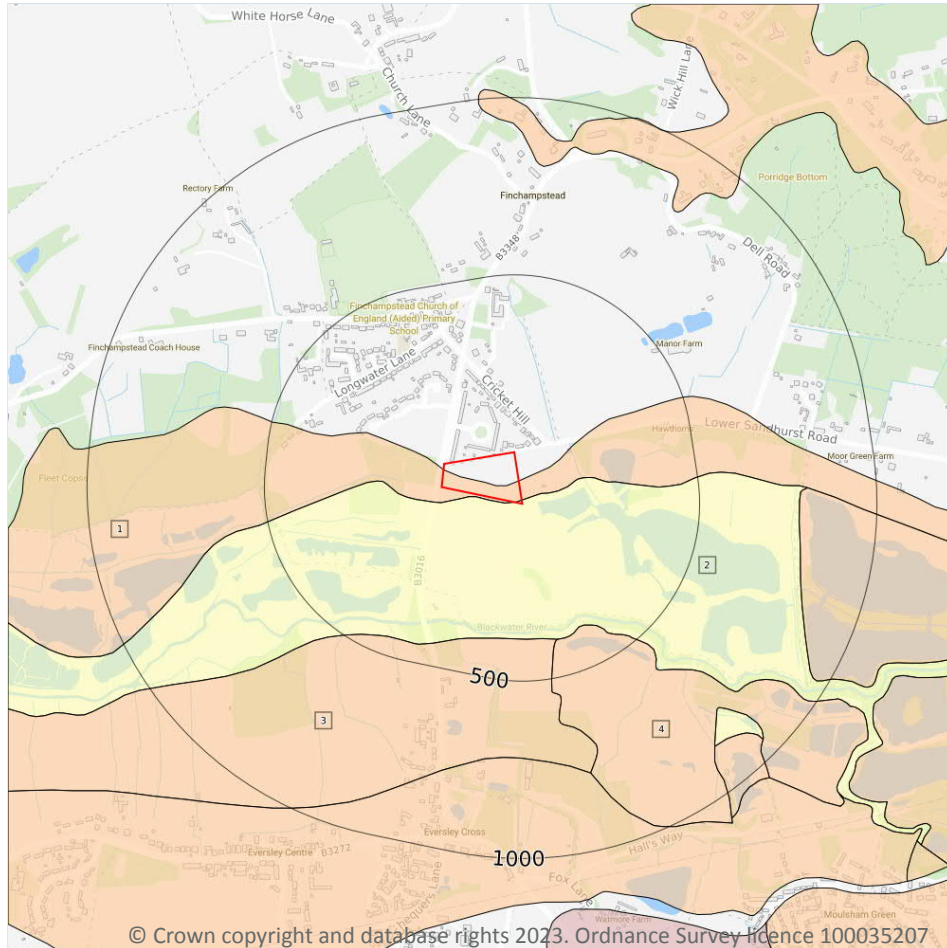
0

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

4

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 84](#) >

ID	Location	LEX Code	Description	Rock description
1	On site	RTD2-XSV	RIVER TERRACE DEPOSITS, 2	SAND AND GRAVEL
2	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
3	381m S	RTD2-XSV	RIVER TERRACE DEPOSITS, 2	SAND AND GRAVEL
4	382m SE	T1T2-XSV	RIVER TERRACE DEPOSITS, 1 TO 2	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	Intergranular	High	Very Low
On site	Intergranular	Very High	High

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.7 Landslip permeability (50k)

Records within 50m

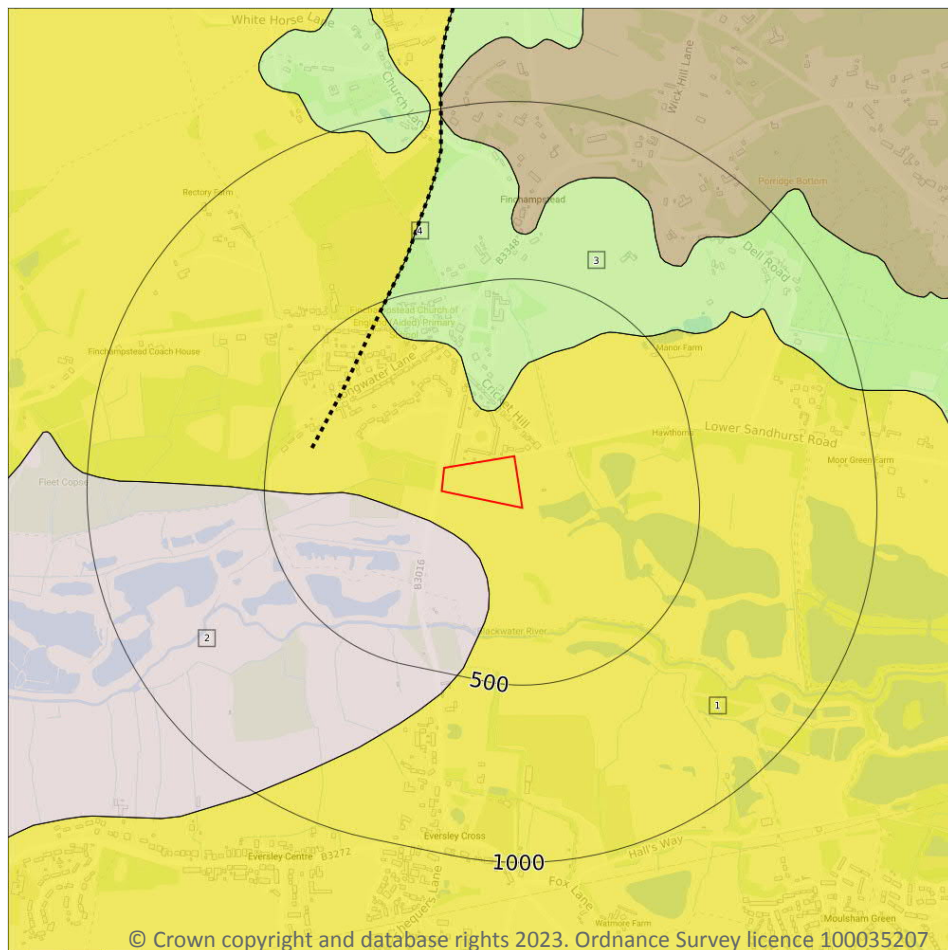
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Bedrock



Site Outline

Search buffers in metres (m)

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

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

15.8 Bedrock geology (50k)

Records within 500m

3

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 86 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	BGS-S	BAGSHOT FORMATION - SAND	YPRESIAN
2	91m SW	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN
3	137m N	WIDS-XSZC	WINDLESHAM FORMATION - SAND, SILT AND CLAY	-

This data is sourced from the British Geological Survey.



15.9 Bedrock permeability (50k)

Records within 50m

1

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Intergranular	High	High

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m

1

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.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on [page 86](#) >

ID	Location	Category	Description
4	355m NW	FAULT	Fault, inferred

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

1

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.

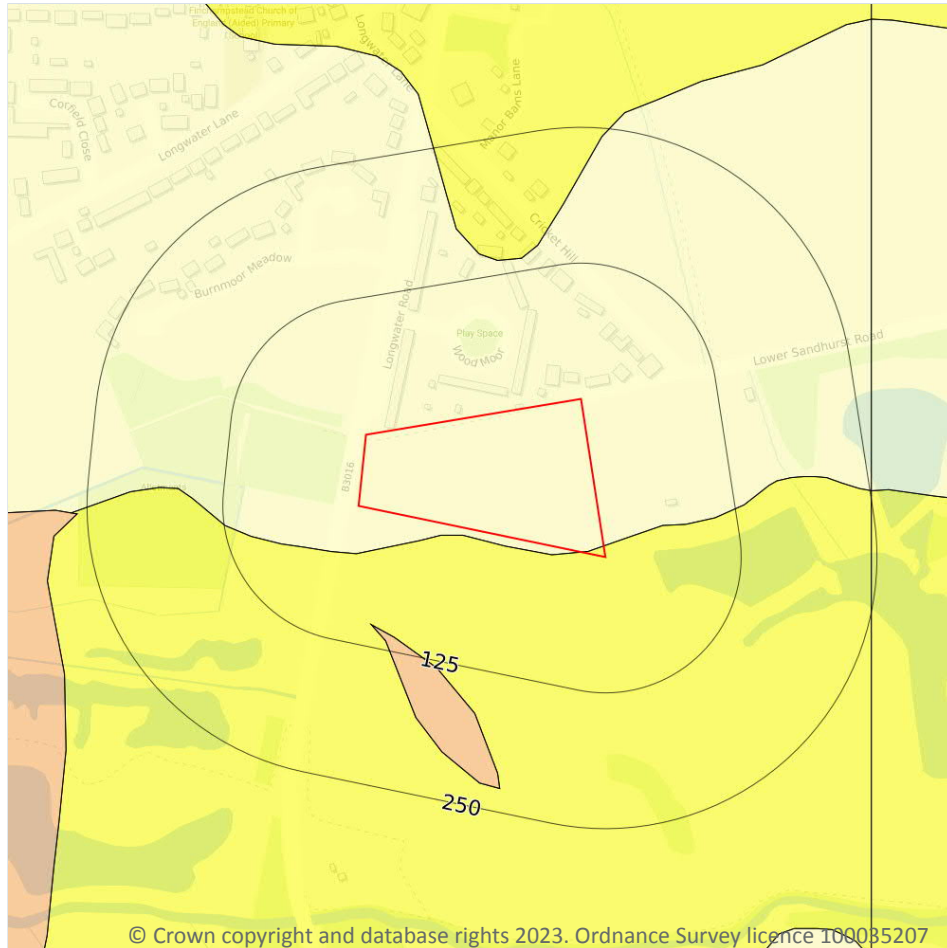
Features are displayed on the Boreholes map on [page 88](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	202m SW	479420 162500	NEAR FINCHAMPSTEAD BRIDGE	6.5	N	427285 ↗

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).

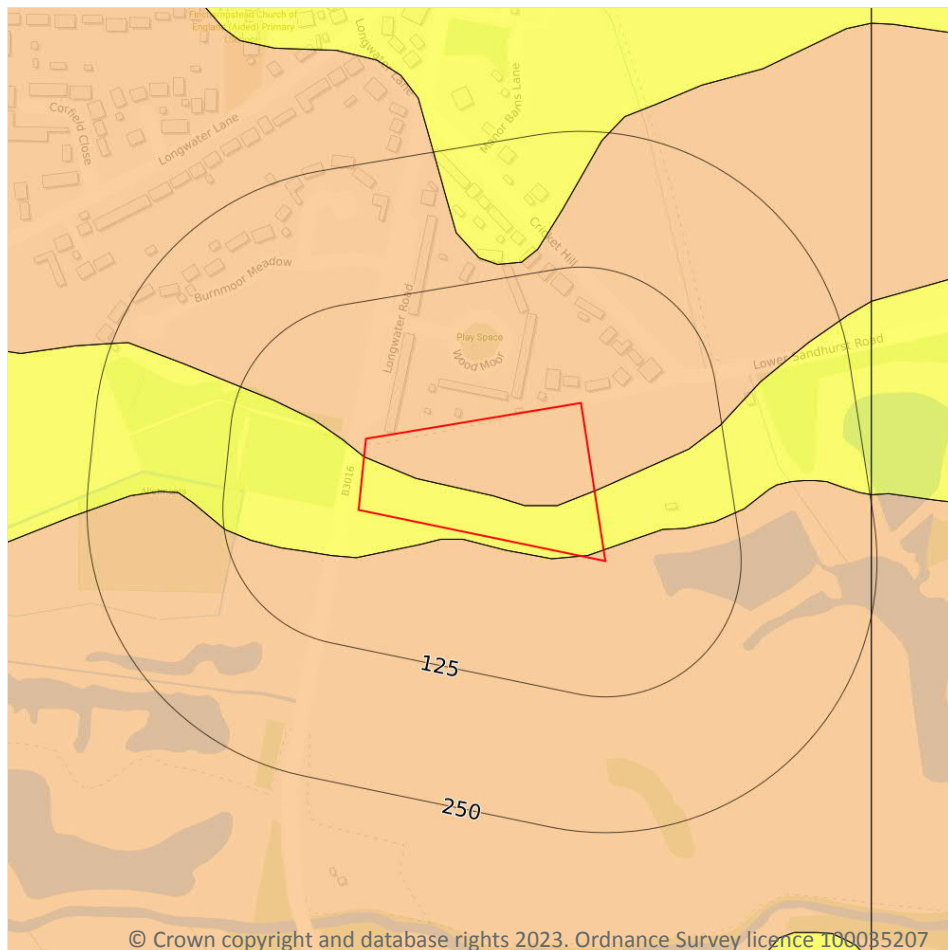
Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 89](#) >

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



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

17.2 Running sands

Records within 50m

2

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 90](#) >

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.

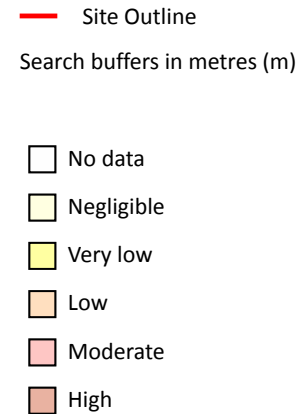
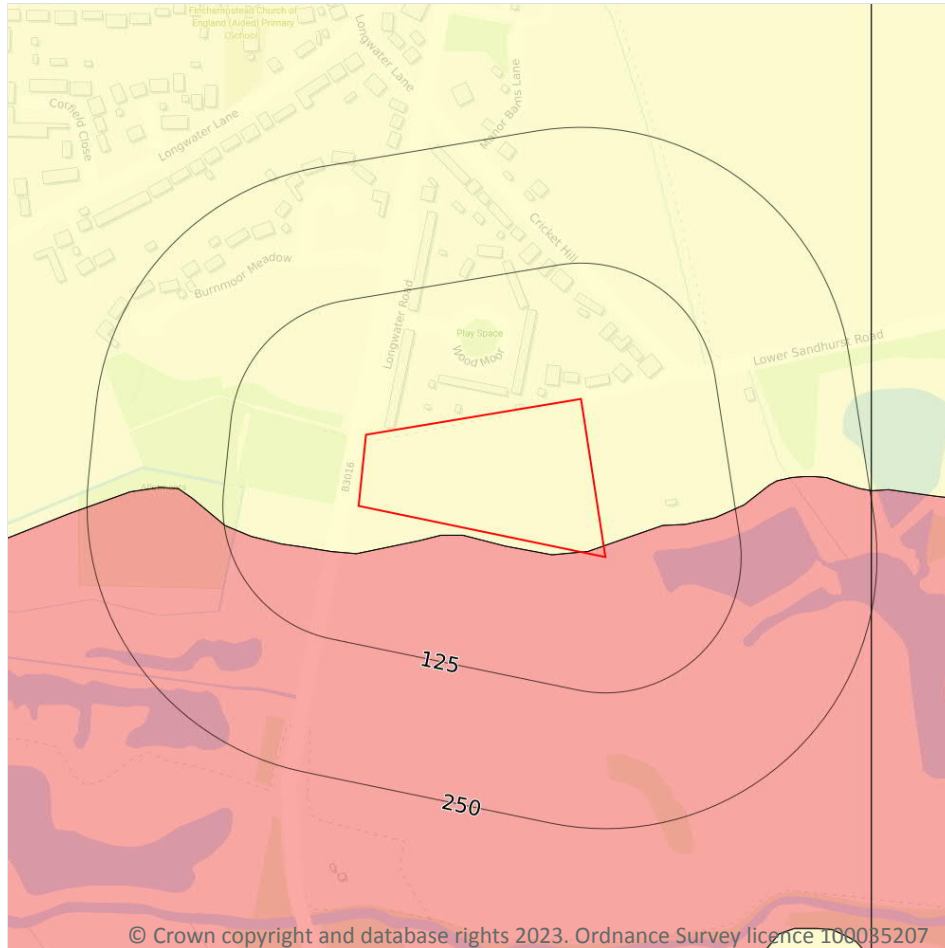


Location	Hazard rating	Details
On site	Low	Running sand conditions may be present. Constraints may apply to land uses involving excavation or the addition or removal of water.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



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.

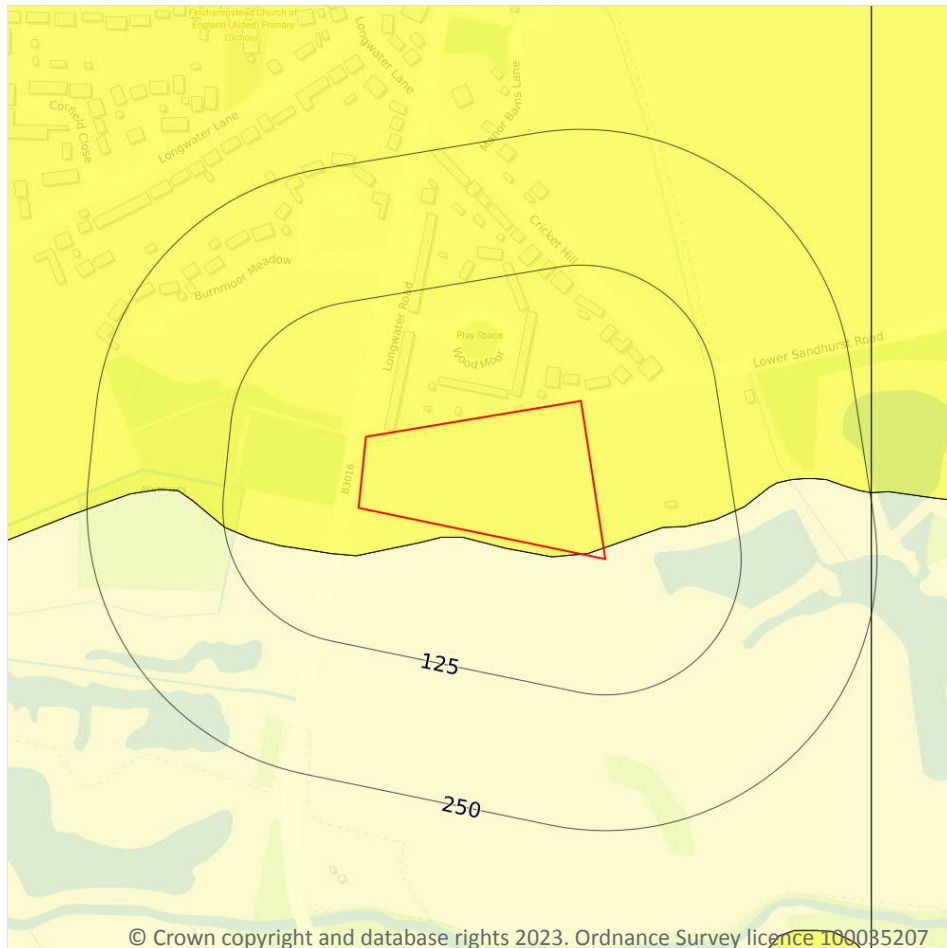
Features are displayed on the Natural ground subsidence - Compressible deposits map on [page 92 >](#)

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

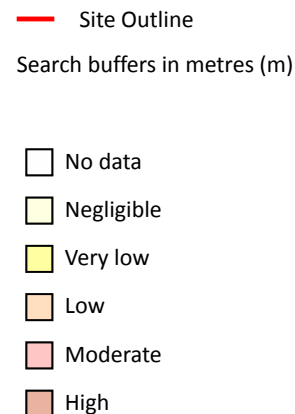
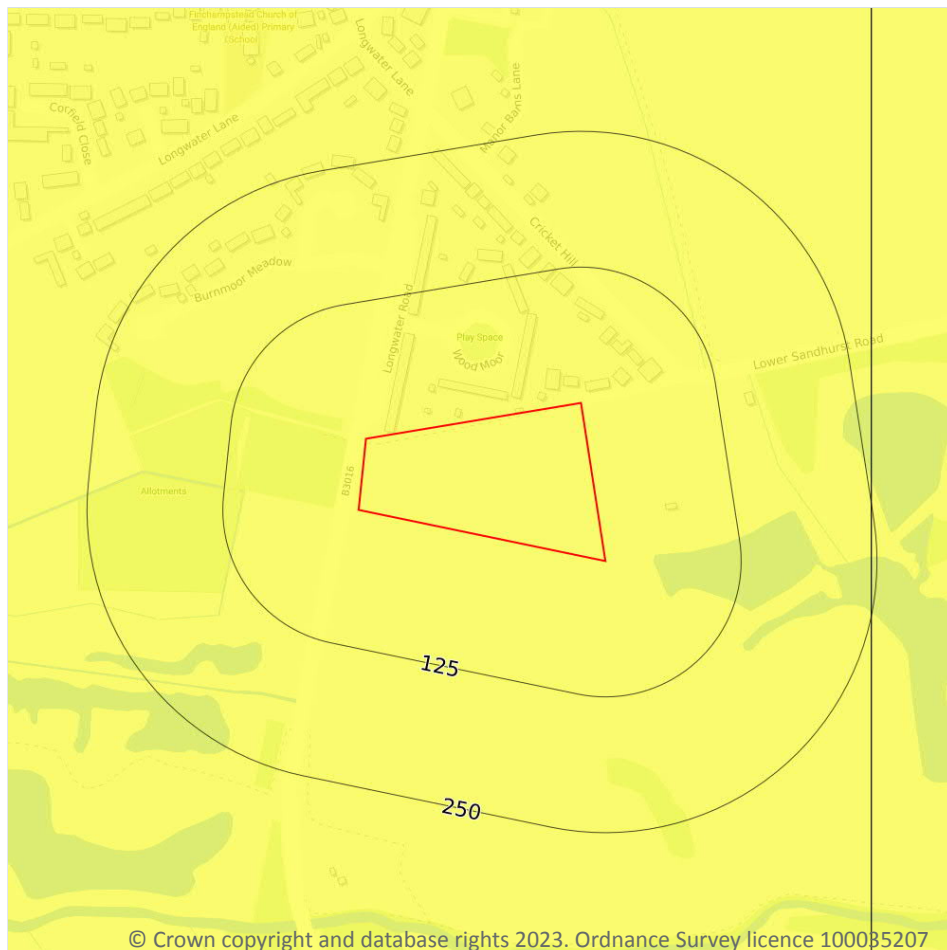
Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 94 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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

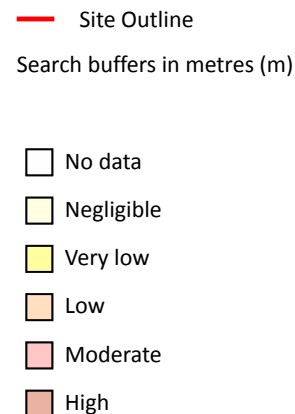
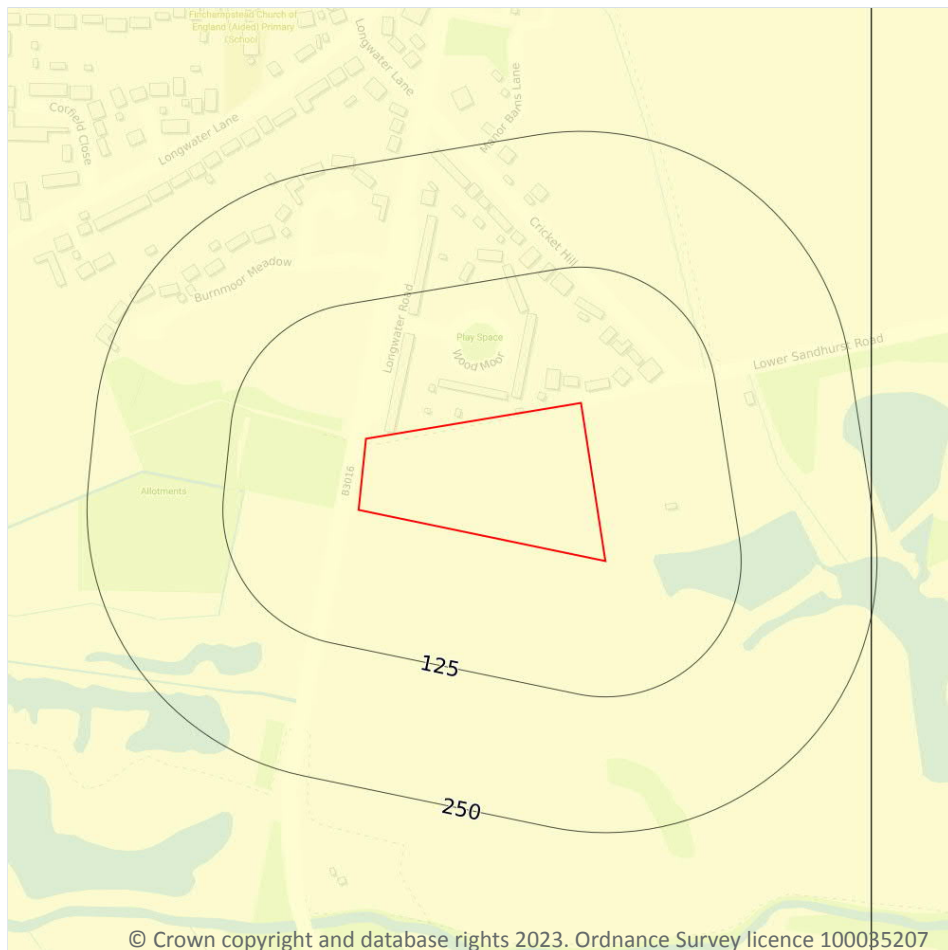
Features are displayed on the Natural ground subsidence - Landslides map on [page 95 >](#)

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 96](#)

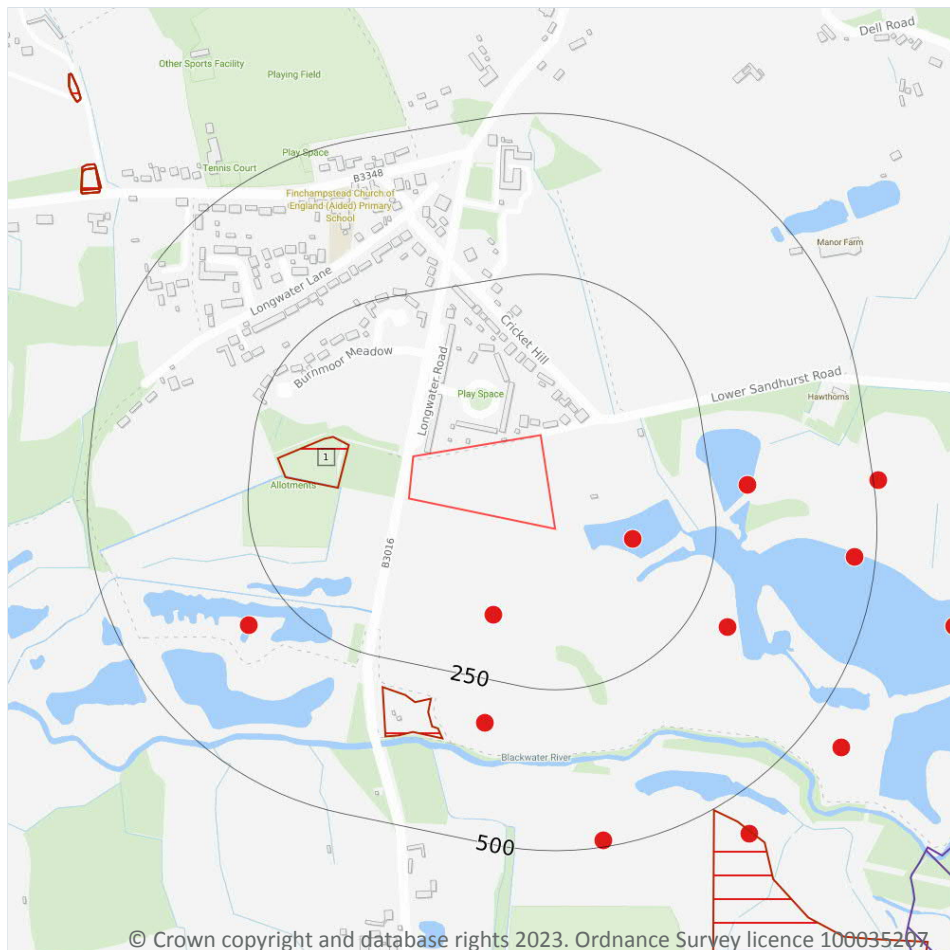
Location	Hazard rating	Details
On site	Negligible	Soluble rocks are either not thought to be present within the ground, or not prone to dissolution. Dissolution features are unlikely to be present.



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

8

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

Features are displayed on the Mining and ground workings map on [page 98 >](#)

ID	Location	Details	Description
2	121m E	Name: Manor Farm Quarry Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
3	150m S	Name: Manor Farm Quarry Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
5	305m E	Name: Manor Farm Quarry Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
6	308m SE	Name: Manor Farm Quarry Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
7	316m SW	Name: Fleethill Farm Sand and Gravel Pit Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
8	316m S	Name: Manor Farm Quarry Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority



ID	Location	Details	Description
9	466m E	Name: Manor Farm Quarry Address: Finchampstead, WOKINGHAM, Berkshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority
10	489m S	Name: Eversley Quarry Address: Eversley, BASINGSTOKE, Hampshire Commodity: Sand & Gravel Status: Ceased	Type: A surface mineral working. It may be termed Quarry, Sand Pit, Clay Pit or Opencast Coal Site Status description: Site which, at date of entry, has ceased to extract minerals. May be considered as Closed by operator. May be considered to have Active, Dormant or Expired planning permissions by Mineral Planning Authority

This data is sourced from the British Geological Survey.

18.2 Surface ground workings

Records within 250m

1

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 98](#) >

ID	Location	Land Use	Year of mapping	Mapping scale
1	102m W	Sewage Works	1977	1:10000

This is data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m

0

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

This is data is sourced from Ordnance Survey/Groundsure.



18.4 Underground mining extents

Records within 500m**0**

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

This data is sourced from Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m**0**

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

This data is sourced from the British Geological Survey.

18.6 Non-coal mining

Records within 1000m**0**

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

This data is sourced from the British Geological Survey.

18.7 JPB mining areas

Records on site**0**

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

This data is sourced from Johnson Poole and Bloomer.

18.8 The Coal Authority non-coal mining

Records within 500m**0**

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



Coal Authority and permission should be sought from Groundsure prior to any re-use.

This data is sourced from The Coal Authority.

18.9 Researched mining

Records within 500m

2

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

Location	Mineral type
21m SE	Stone
384m SE	Stone

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.



18.12 Coal mining

Records on site	0
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Areas which could be affected by past, current or future coal mining.

This data is sourced from the Coal Authority.

18.13 Brine areas

Records on site	0
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The Cheshire Brine Compensation District indicates areas that may be affected by salt and brine extraction in Cheshire and where compensation would be available where damage from this mining has occurred. Damage from salt and brine mining can still occur outside this district, but no compensation will be available.

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

18.14 Gypsum areas

Records on site	0
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Generalised areas that may be affected by gypsum extraction.

This data is sourced from British Gypsum.

18.15 Tin mining

Records on site	0
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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
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Generalised areas that may be affected by kaolin and ball clay extraction.

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

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



This data is sourced from Groundsure.

19.5 National karst database

Records within 500m

0

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

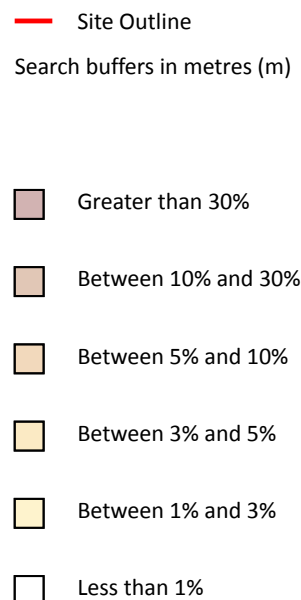
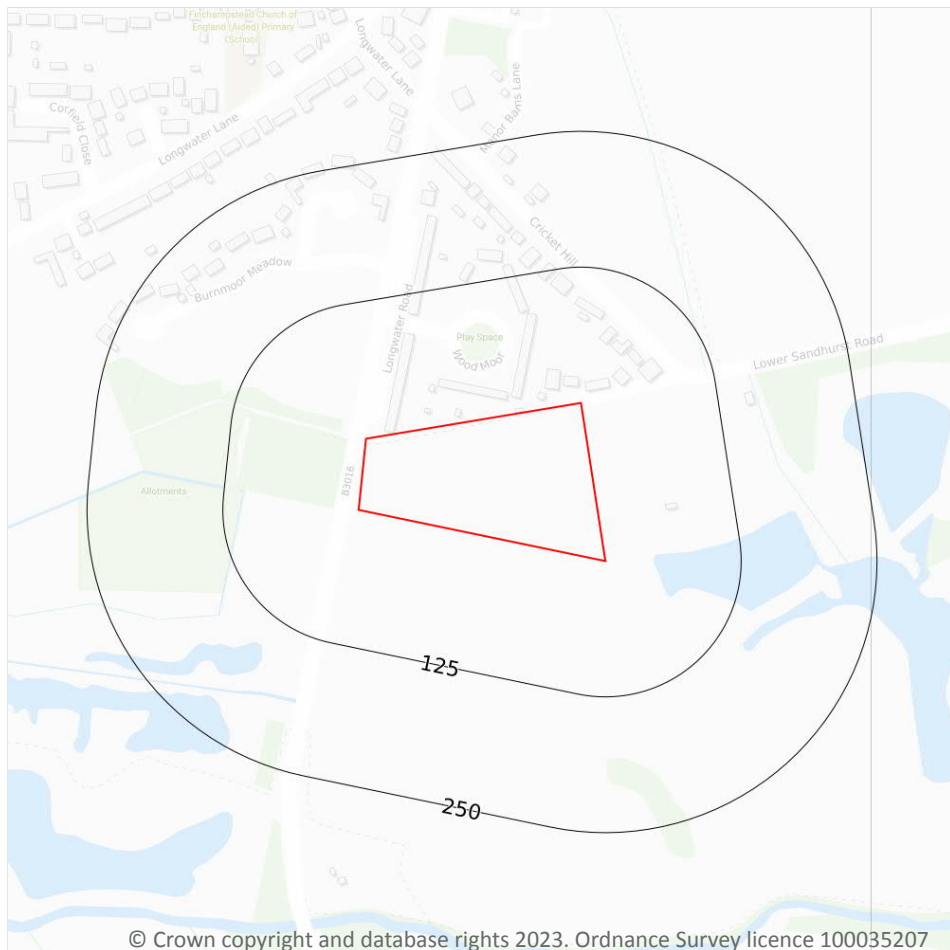
Since the database was set up in 2002 data covering most of the evaporite karst areas of the UK have now been added, along with data covering about 60% of the Chalk, and 35% of the Carboniferous Limestone outcrops. Many of the classic upland karst areas have yet to be included. Recorded so far are: Over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

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

This data is sourced from the British Geological Survey.



20 Radon



20.1 Radon

Records on site

1

The Radon Potential data classifies areas based on their likelihood of a property having a radon level at or above the Action Level in Great Britain. The dataset is intended for use at 1:50,000 scale and was derived from both geological assessments and indoor radon measurements (more than 560,000 records). A minimum 50m buffer should be considered when searching the maps, as the smallest detectable feature at this scale is 50m. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain (1:100,000 scale).

Features are displayed on the Radon map on [page 106 >](#)

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 - 25 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
28m W	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
36m W	15 - 25 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
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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
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Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways.

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 1

Records within 500m	0
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The Crossrail railway project links 41 stations over 100 kilometres from Reading and Heathrow in the west, through underground sections in central London, to Shenfield and Abbey Wood in the east.

This data is sourced from publicly available information by Groundsure.

22.9 Crossrail 2

Records within 500m	0
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Crossrail 2 is a proposed railway linking the national rail networks in Surrey and Hertfordshire via an underground tunnel through London.

This data is sourced from publicly available information by Groundsure.

22.10 HS2

Records within 500m	0
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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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Groundsure's Terms and Conditions can be accessed at this link: www.groundsure.com/terms-and-conditions-april-2023/ ↗.





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