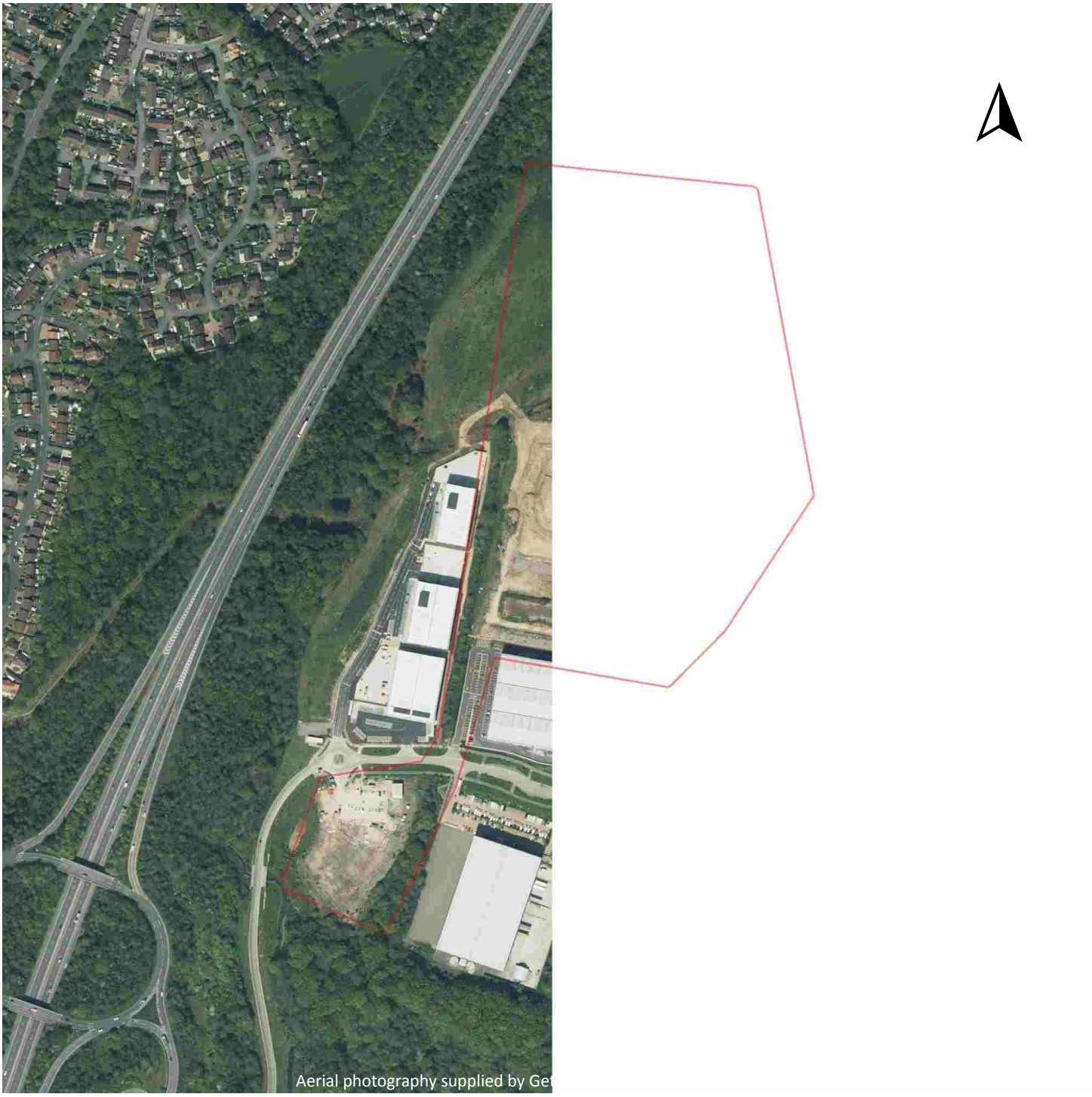
Recent aerial photograph



Capture Date: 03/05/2023

Site Area: 14.59ha

Recent site history - 2021 aerial photograph

Capture Date: 20/04/2021

Site Area: 14.59ha

Recent site history - 2017 aerial photograph

Capture Date: 21/06/2017

Site Area: 14.59ha

Recent site history - 2005 aerial photograph

Capture Date: 17/04/2005

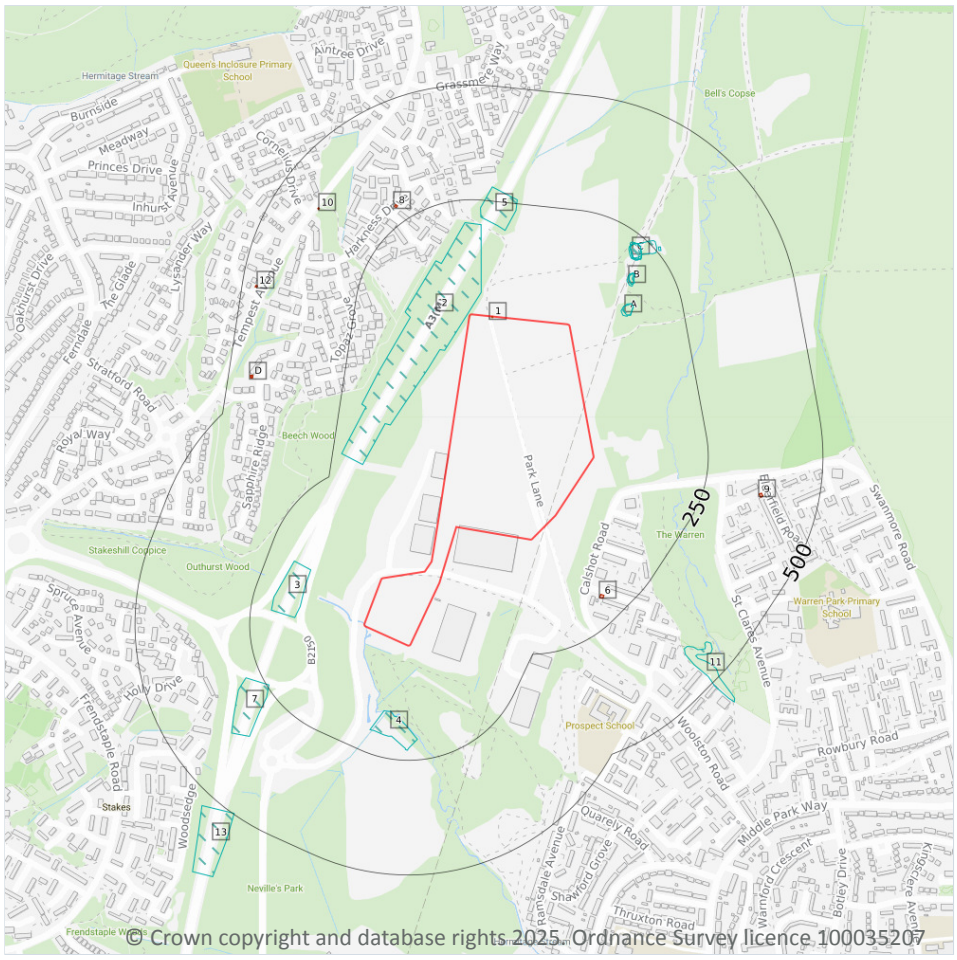
Site Area: 14.59ha

Recent site history - 1999 aerial photograph

Capture Date: 04/09/1999

Site Area: 14.59ha

1 Past land use



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1.1 Historical industrial land uses

Records within 500m	18

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 14 >**

ID	Location	Land use	Dates present	Group ID
2	6m NW	Cuttings	1980 - 1991	1934127

ID	Location	Land use	Dates present	Group ID
A	117m E	Unspecified Pit	1942 - 1963	1983603
A	123m E	Unspecified Pit	1933	1937386
3	145m W	Cuttings	1980 - 1991	1928548
4	148m S	Brick and Tile Works	1866	1900935
B	158m NE	Unspecified Pit	1963	1929117
B	162m NE	Unspecified Pit	1933	1973315
B	163m NE	Unspecified Ground Workings	1942	1879936
5	190m N	Cuttings	1991	1885325
C	199m NE	Unspecified Pit	1963	1918603
C	201m NE	Clay Pit	1867	1887163
C	203m NE	Old Clay Pit	1907	1916571
C	203m NE	Old Clay Pit	1895	1918975
C	203m NE	Unspecified Pit	1933 - 1942	1978622
7	246m SW	Cuttings	1980 - 1991	1966032
C	255m NE	Brick Kiln	1867	1909488
11	404m SE	Unspecified Pit	1963	1902185
13	498m SW	Cuttings	1980 - 1991	1965119

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m	**1**

Tank features digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale, intelligently grouped into contiguous features. To prevent misrepresentation of the size of historical features at any given time, features are only grouped if they have similar geometries within immediately preceding or succeeding map editions. See section 2 for a breakdown of grouping if required. Grouped and the original 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 14 >**

ID	Location	Land use	Dates present	Group ID
1	**On site**	**Unspecified Tank**	**1972**	**326620**

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	7

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

Features are displayed on the Past land use map on **page 14 >**

ID	Location	Land use	Dates present	Group ID
6	191m SE	Electricity Substation	1971 - 1985	227461
8	284m NW	Electricity Substation	1987 - 1992	223119
9	370m E	Electricity Substation	1971 - 1993	218458
10	402m NW	Gas Governor	1984 - 1992	214352
D	447m W	Electricity Substation	1983 - 1993	233665
D	449m W	Electricity Substation	1989	219766
12	467m W	Electricity Substation	1987 - 1992	215053

This data is sourced from Ordnance Survey / Groundsure.

1.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

1.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

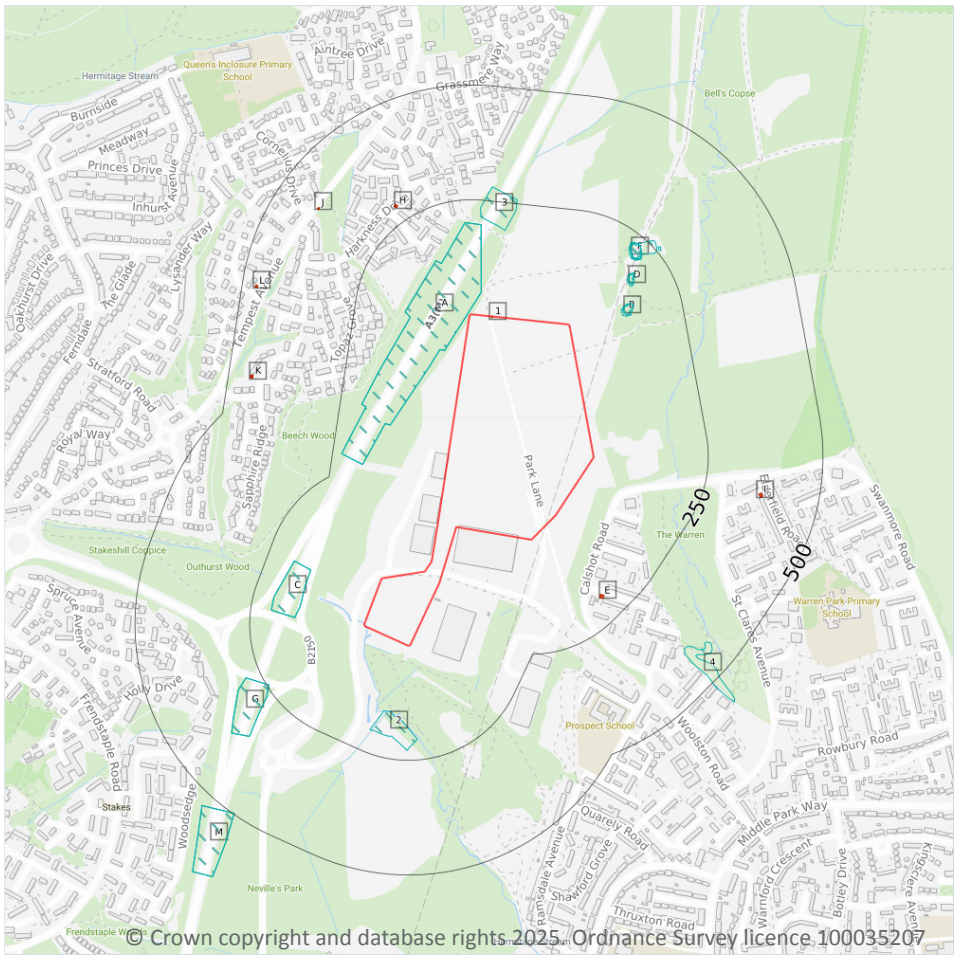
1.6 Historical military land

Records within 500m	0

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

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

2 Past land use - un-grouped



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2.1 Historical industrial land uses

Records within 500m	24

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

Features are displayed on the Past land use - un-grouped map on **page 18 >**

ID	Location	Land Use	Date	Group ID
A	6m NW	Cuttings	1991	1934127
A	6m NW	Cuttings	1980	1934127
B	117m E	Unspecified Pit	1963	1983603

ID	Location	Land Use	Date	Group ID
B	122m E	Unspecified Pit	1942	1983603
B	123m E	Unspecified Pit	1933	1937386
C	145m W	Cuttings	1991	1928548
C	145m W	Cuttings	1980	1928548
2	148m S	Brick and Tile Works	1866	1900935
D	158m NE	Unspecified Pit	1963	1929117
D	162m NE	Unspecified Pit	1933	1973315
D	163m NE	Unspecified Ground Workings	1942	1879936
3	190m N	Cuttings	1991	1885325
F	199m NE	Unspecified Pit	1963	1918603
F	201m NE	Clay Pit	1867	1887163
F	203m NE	Unspecified Pit	1933	1978622
F	203m NE	Unspecified Pit	1942	1978622
F	203m NE	Old Clay Pit	1907	1916571
F	203m NE	Old Clay Pit	1895	1918975
G	246m SW	Cuttings	1991	1966032
G	246m SW	Cuttings	1980	1966032
F	255m NE	Brick Kiln	1867	1909488
4	404m SE	Unspecified Pit	1963	1902185
M	498m SW	Cuttings	1991	1965119
M	498m SW	Cuttings	1980	1965119

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m	1

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

Features are displayed on the Past land use - un-grouped map on **page 18 >**

ID	Location	Land Use	Date	Group ID
1	**On site**	**Unspecified Tank**	**1972**	**326620**

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m	**29**

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 18 >**

ID	Location	Land Use	Date	Group ID
E	191m SE	Electricity Substation	1972	227461
E	192m SE	Electricity Substation	1971	227461
E	192m SE	Electricity Substation	1985	227461
H	284m NW	Electricity Substation	1992	223119
H	285m NW	Electricity Substation	1987	223119
H	285m NW	Electricity Substation	1988	223119
H	285m NW	Electricity Substation	1989	223119
I	370m E	Electricity Substation	1971	218458
I	370m E	Electricity Substation	1972	218458
I	370m E	Electricity Substation	1993	218458
I	371m E	Electricity Substation	1985	218458
J	402m NW	Gas Governor	1992	214352
J	403m NW	Gas Governor	1984	214352
J	403m NW	Gas Governor	1987	214352
J	403m NW	Gas Governor	1988	214352
J	403m NW	Gas Governor	1989	214352
K	447m W	Electricity Substation	1984	233665
K	447m W	Electricity Substation	1987	233665
K	447m W	Electricity Substation	1988	233665

ID	Location	Land Use	Date	Group ID
K	447m W	Electricity Substation	1989	233665
K	447m W	Electricity Substation	1992	233665
K	449m W	Electricity Substation	1993	233665
K	449m W	Electricity Substation	1983	233665
K	449m W	Electricity Substation	1987	233665
K	449m W	Electricity Substation	1989	219766
L	467m W	Electricity Substation	1987	215053
L	467m W	Electricity Substation	1988	215053
L	467m W	Electricity Substation	1989	215053
L	467m W	Electricity Substation	1992	215053

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

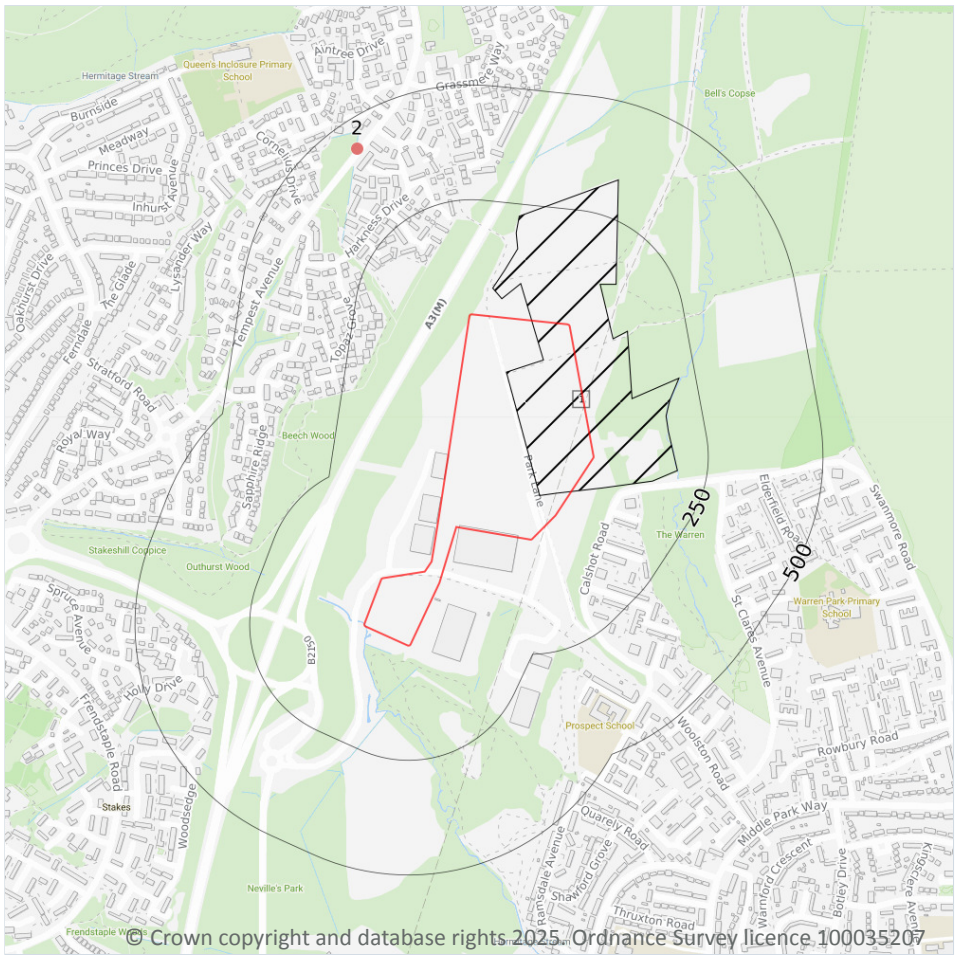
2.5 Historical garages

Records within 500m	0

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

This data is sourced from Ordnance Survey / Groundsure.

3 Waste and landfill



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3.1 Active or recent landfill

Records within 500m	0

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

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

3.2 Historical landfill (BGS records)

Records within 500m	0

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

This data is sourced from the British Geological Survey.

3.3 Historical landfill (LA/mapping records)

Records within 500m	0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m	1

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

Features are displayed on the Waste and landfill map on **page 22 >**

ID	Location	Details		
1	**On site**	**Site Address: Dunsbury Hill Farm, Cowplain, Hampshire** **Licence Holder Address: Haredon House, London Road, North Cheam, Sutton, Surrey**	**Waste Licence: Yes** **Site Reference: 13/3, FHA17** **Waste Type: Inert** **Environmental Permitting Regulations (Waste) Reference: -** **Licence Issue: -** **Licence Surrender: -**	**Operator: -** **Licence Holder: Gleeson Civil Engineering Limited** **First Recorded -** **Last Recorded: -**

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	1

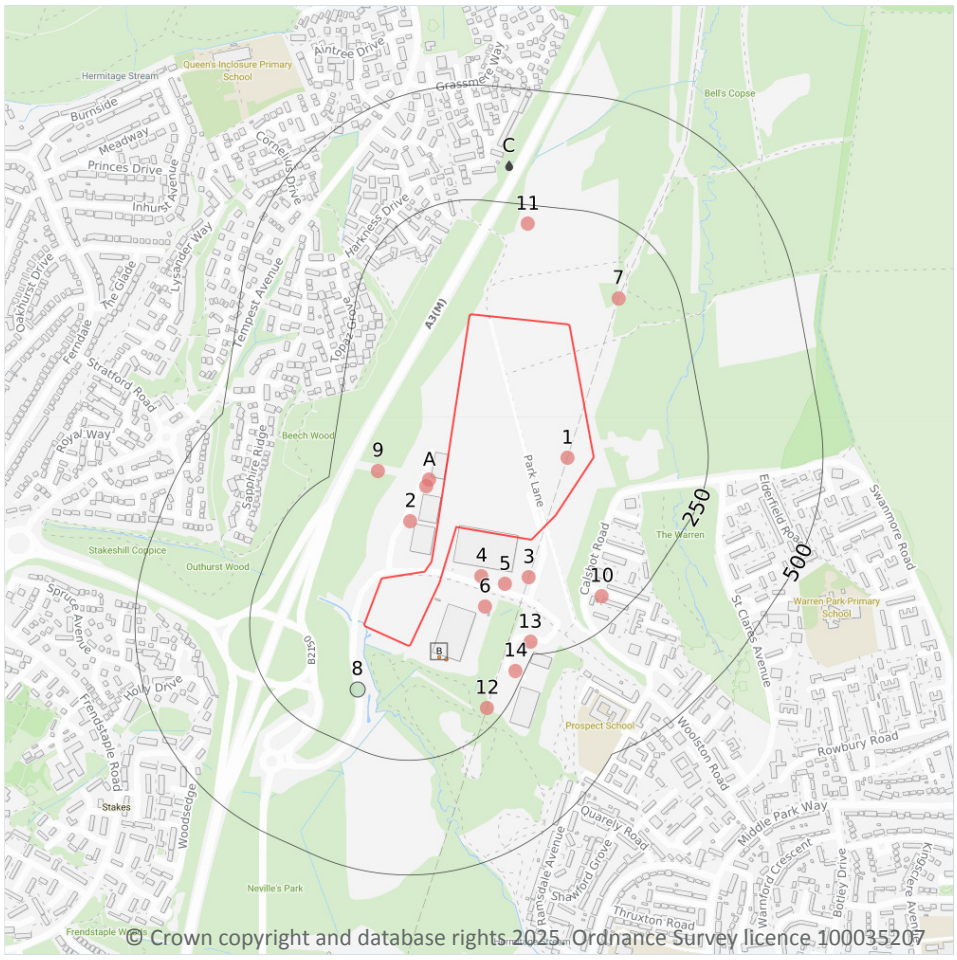
Activities involving the storage, treatment, use or disposal of waste that are exempt from needing a permit. Exemptions have specific limits and conditions that must be adhered to.

Features are displayed on the Waste and landfill map on **page 22 >**

ID	Location	Site	Reference	Category	Sub-Category	Description
2	439m NW	-	WEX039750	Using waste exemption	Not on a farm	Use of waste in construction

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

4 Current industrial land use



4.1 Recent industrial land uses

Records within 250m	15

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 25 >**

ID	Location	Company	Address	Activity	Category
1	**On site**	**Pylon**	**Hampshire, PO9**	**Electrical Features**	**Infrastructure and Facilities**
A	33m W	Electricity Pole	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
A	38m W	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
2	60m W	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
3	82m S	Pylon	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
4	84m E	Electricity Sub Stations	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
5	105m S	Gas Governor	Hampshire, PO9	Gas Features	Infrastructure and Facilities
6	112m SE	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
7	122m NE	Pylon	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
9	146m W	Electricity Poles	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
10	195m SE	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
11	209m N	Mast (Telecommunication)	Hampshire, PO9	Telecommunications Features	Infrastructure and Facilities
12	217m SE	Pylon	Hampshire, PO9	Electrical Features	Infrastructure and Facilities
13	223m S	Gas Governor	Hampshire, PO9	Gas Features	Infrastructure and Facilities
14	232m SE	Electricity Sub Station	Hampshire, PO9	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

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

Records within 250m	**2**

Current or recent tanks identified from the Ordnance Survey NGD.

Features are displayed on the Current industrial land use map on **page 25 >**

ID	Location	Tank description	Activity	Date first identified
B	65m SE	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	09/03/2017
B	81m SE	Roofed Storage Tank	Commercial Activity: Distribution Or Storage	09/03/2017

This data is sourced from Ordnance Survey.

4.3 Current or recent petrol stations

Records within 500m	0

Open, closed, under development and obsolete petrol stations.

This data is sourced from Experian.

4.4 Electricity cables

Records within 500m	0

High voltage underground electricity transmission cables.

This data is sourced from National Grid.

4.5 Gas pipelines

Records within 500m	0

High pressure underground gas transmission pipelines.

This data is sourced from National Grid.

4.6 Sites determined as Contaminated Land

Records within 500m	0

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

This data is sourced from Local Authority records.

4.7 Control of Major Accident Hazards (COMAH)

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.8 Regulated explosive sites

Records within 500m	0

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

This data is sourced from the Health and Safety Executive.

4.9 Hazardous substance storage/usage

Records within 500m	0

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

This data is sourced from Local Authority records.

4.10 Historical licensed industrial activities (IPC)

Records within 500m	0

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

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

4.11 Licensed industrial activities (Part A(1))

Records within 500m	0

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

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

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

Records within 500m	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.

4.13 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.

4.14 Licensed Discharges to controlled waters

Records within 500m	2

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 25 >**

ID	Location	Address	Details	
C	330m N	RAMBLERS WAY WATERLOOVILLE CEO, RAMBLERS WAY WATERLOOVILLE CEO, RAMBLERS WAY, WATERLOOVILLE, HAMPSHIRE, PO7 8RE	Effluent Type: SEWAGE DISCHARGES - PUMPING STATION - WATER COMPANY Permit Number: A01276 Permit Version: 1 Receiving Water: UNNAMED TRIB OF R. WALLINGTON	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/05/2007 Effective Date: 28/05/2007 Revocation Date: -
C	330m N	RAMBLERS WAY WATERLOOVILLE CEO, RAMBLERS WAY WATERLOOVILLE CEO, RAMBLERS WAY, WATERLOOVILLE, HAMPSHIRE, PO7 8RE	Effluent Type: SEWAGE DISCHARGES - SEWER STORM OVERFLOW - WATER COMPANY Permit Number: A01276 Permit Version: 1 Receiving Water: UNNAMED TRIB OF R. WALLINGTON	Status: NEW CONSENT (WRA 91, S88 & SCHED 10 AS AMENDED BY ENV ACT 1995) Issue date: 28/05/2007 Effective Date: 28/05/2007 Revocation Date: -

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

4.15 Pollutant release to surface waters (Red List)

Records within 500m	0

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

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

4.16 Pollutant release to public sewer

Records within 500m	0

Discharges of Special Category Effluents to the public sewer.

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

4.17 List 1 Dangerous Substances

Records within 500m	0

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

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

4.18 List 2 Dangerous Substances

Records within 500m	0

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

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

4.19 Pollution Incidents (EA/NRW)

Records within 500m	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 25 >**

ID	Location	Details	
8	132m SW	Incident Date: 01/03/2004 Incident Identification: 219859 Pollutant: Sewage Materials Pollutant Description: Crude Sewage	Water Impact: Category 2 (Significant) Land Impact: Category 3 (Minor) Air Impact: Category 3 (Minor)

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

4.20 Pollution inventory substances

Records within 500m	0

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

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

4.21 Pollution inventory waste transfers

Records within 500m	0

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

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

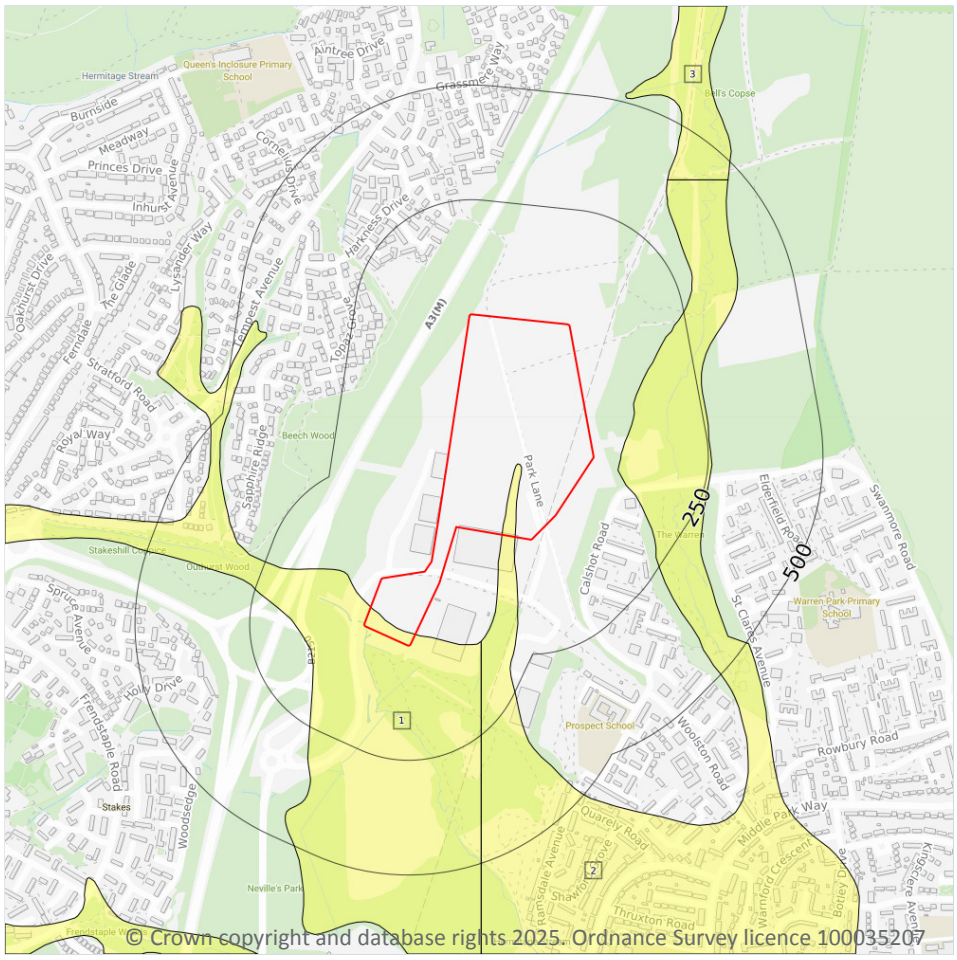
4.22 Pollution inventory radioactive waste

Records within 500m	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



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5.1 Superficial aquifer

Records within 500m	3

Aquifer status of groundwater held within superficial geology.

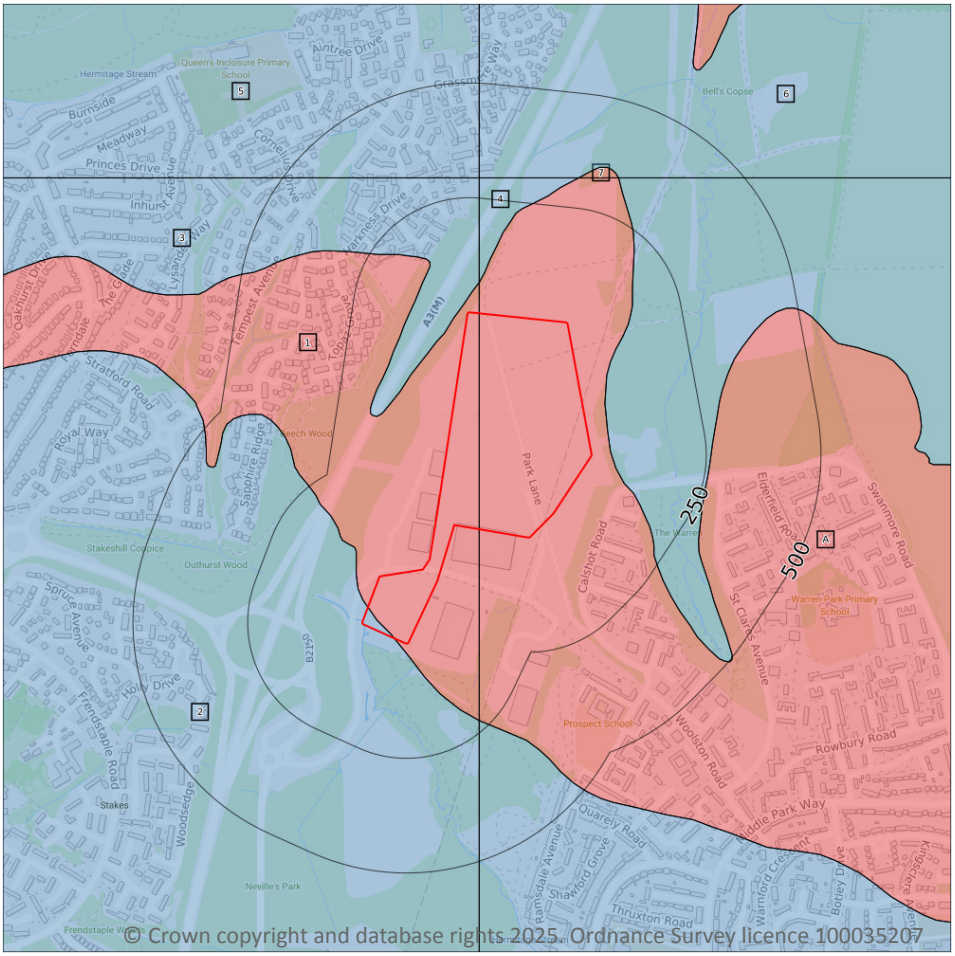
Features are displayed on the Hydrogeology map on **page 32 >**

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

ID	Location	Designation	Description
3	382m NE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



5.2 Bedrock aquifer

Records within 500m	9

Aquifer status of groundwater held within bedrock geology.

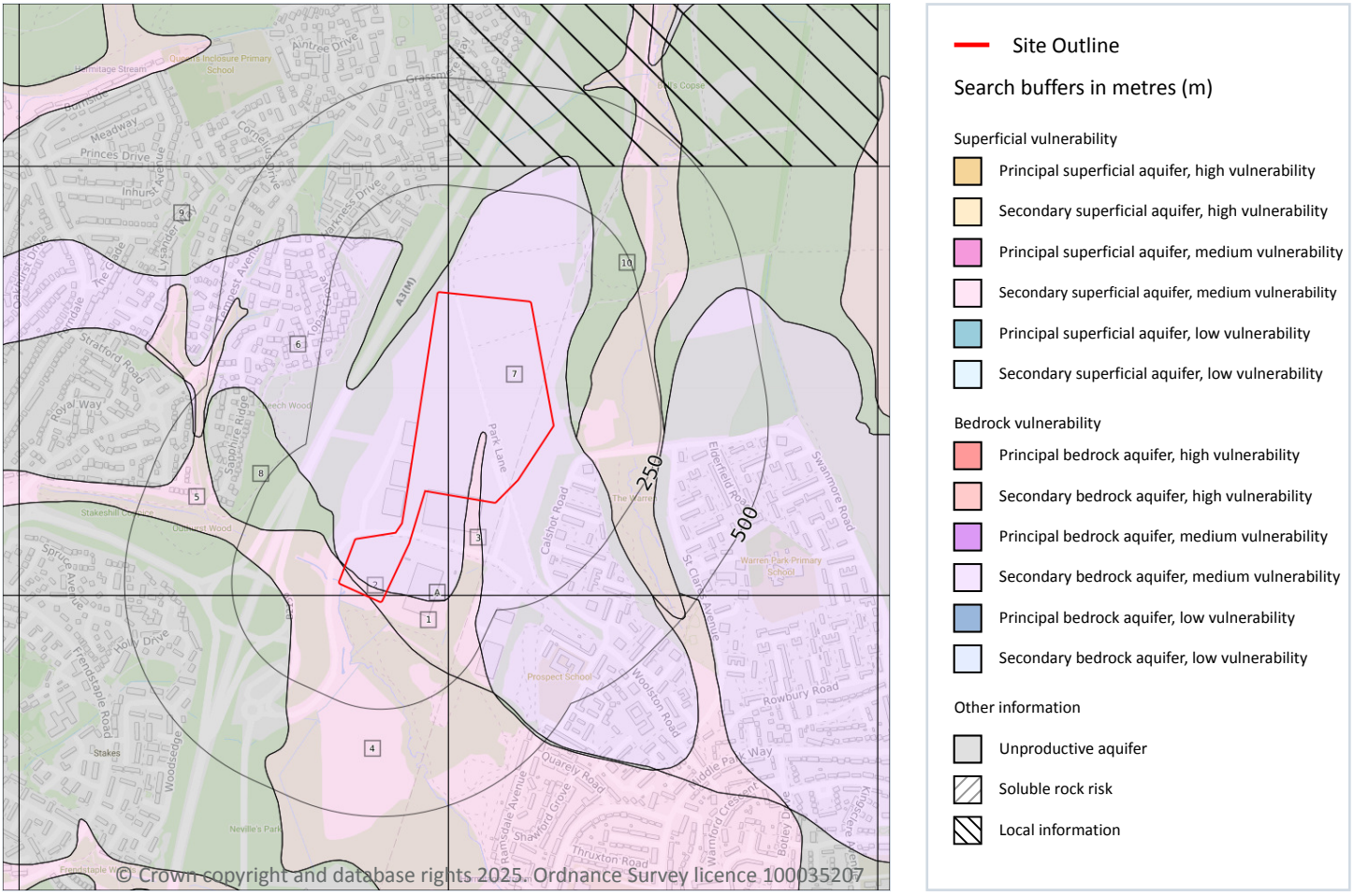
Features are displayed on the Bedrock aquifer map on **page 34 >**

ID	Location	Designation	Description
1	On site	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	On site	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
A	**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**
3	19m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
A	42m E	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	67m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
5	293m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
6	294m N	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
7	316m N	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m	11

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

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

Features are displayed on the Groundwater vulnerability map on **page 36 >**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
2	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
3	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed
4	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
5	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
6	On site	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
7	**On site**	**Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer**	**Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year**	**Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data**	**Vulnerability: Medium Aquifer type: Secondary Flow mechanism: Mixed**
8	18m W	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
9	19m NW	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
10	42m E	Summary Classification: Unproductive aquifer (may have productive aquifer beneath) Combined classification: Unproductive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed
A	45m SE	Summary Classification: Secondary bedrock aquifer - Medium Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: 300-550mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: Medium 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.

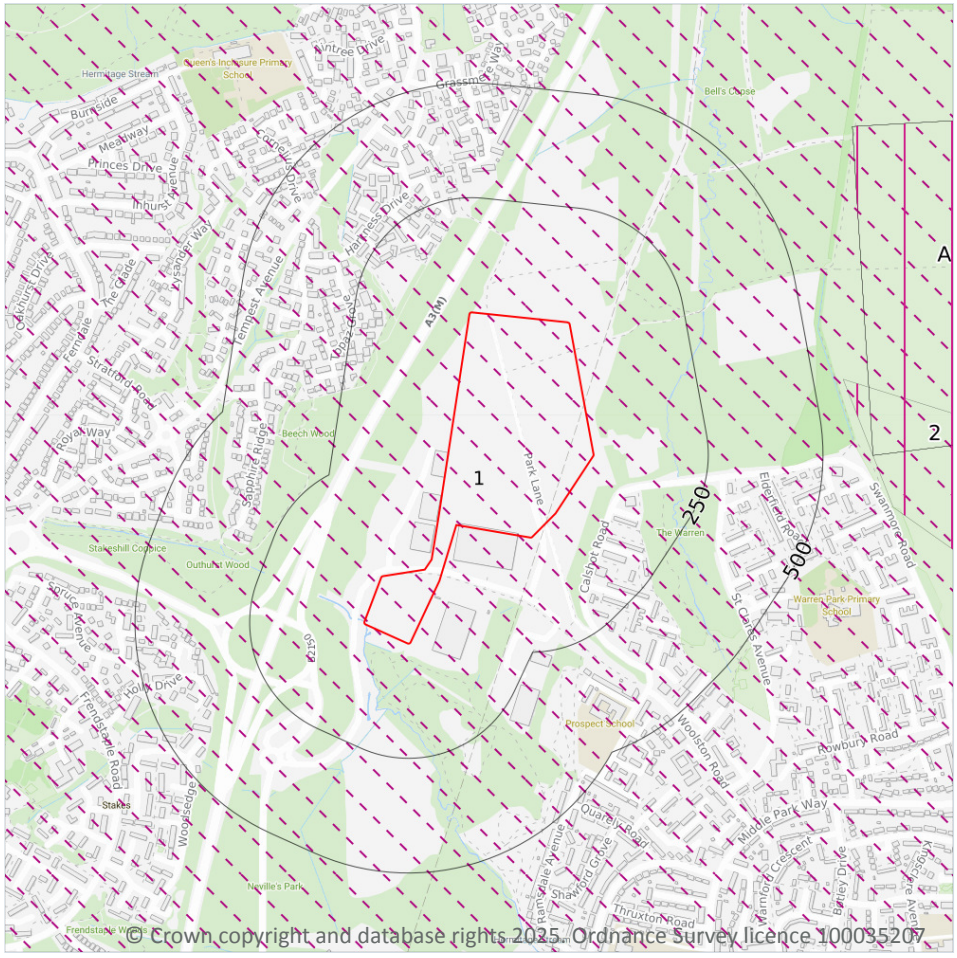
5.5 Groundwater vulnerability- local information

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



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5.6 Groundwater abstractions

Records within 2000m	19

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 40 >**

ID	Location	Details	
2	565m E	Status: Active Licence No: SO/042/0028/023 Details: Dewatering Direct Source: Southern Region Groundwater Point: RED ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 470789 Northing: 109561	Annual Volume (m^3): 67031 Max Daily Volume (m^3): 184 Original Application No: NPS/WR/041028 Original Start Date: 04/07/2024 Expiry Date: 31/12/2029 Issue No: 1 Version Start Date: 04/07/2024 Version End Date: -
A	608m E	Status: Historical Licence No: SO/042/0028/021 Details: Process Water Direct Source: Southern Region Groundwater Point: ABSTRACTION AREA 2.1 Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 470809 Northing: 110112	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
A	608m E	Status: Historical Licence No: SO/042/0028/021 Details: Dust Suppression Direct Source: Southern Region Groundwater Point: ABSTRACTION AREA 2.1 Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 470809 Northing: 110112	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
A	608m E	Status: Historical Licence No: SO/042/0028/021 Details: Dewatering Direct Source: Southern Region Groundwater Point: ABSTRACTION AREA 2.1 Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 470809 Northing: 110112	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
-	935m E	Status: Active Licence No: SO/042/0028/021 Details: Dewatering Direct Source: Southern Region Groundwater Point: BLUE ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471161 Northing: 109583	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -

ID	Location	Details	
-	935m E	Status: Active Licence No: SO/042/0028/021 Details: Process Water Direct Source: Southern Region Groundwater Point: BLUE ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471161 Northing: 109583	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -
-	935m E	Status: Active Licence No: SO/042/0028/021 Details: Dust Suppression Direct Source: Southern Region Groundwater Point: BLUE ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471161 Northing: 109583	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -
-	982m E	Status: Active Licence No: SO/042/0028/021 Details: Dust Suppression Direct Source: Southern Region Groundwater Point: RED ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471085 Northing: 110300	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -
-	982m E	Status: Active Licence No: SO/042/0028/021 Details: Process Water Direct Source: Southern Region Groundwater Point: RED ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471085 Northing: 110300	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -
-	982m E	Status: Active Licence No: SO/042/0028/021 Details: Dewatering Direct Source: Southern Region Groundwater Point: RED ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471085 Northing: 110300	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -

ID	Location	Details	
-	988m E	Status: Historical Licence No: SO/042/0028/021 Details: Process Water Direct Source: Southern Region Groundwater Point: ABSTRACTION AREA 2.2 Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471053 Northing: 110361	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
-	988m E	Status: Historical Licence No: SO/042/0028/021 Details: Dust Suppression Direct Source: Southern Region Groundwater Point: ABSTRACTION AREA 2.2 Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471053 Northing: 110361	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
-	988m E	Status: Historical Licence No: SO/042/0028/021 Details: Dewatering Direct Source: Southern Region Groundwater Point: ABSTRACTION AREA 2.2 Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471053 Northing: 110361	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
-	1103m E	Status: Historical Licence No: SO/042/0028/021 Details: Dewatering Direct Source: Southern Region Groundwater Point: ABSTRACTION REACH Data Type: Line Name: Future Water MJJV Ltd Easting: 471343 Northing: 109504	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
-	1103m E	Status: Historical Licence No: SO/042/0028/021 Details: Dust Suppression Direct Source: Southern Region Groundwater Point: ABSTRACTION REACH Data Type: Line Name: Future Water MJJV Ltd Easting: 471343 Northing: 109504	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -

ID	Location	Details	
-	1103m E	Status: Historical Licence No: SO/042/0028/021 Details: Process Water Direct Source: Southern Region Groundwater Point: ABSTRACTION REACH Data Type: Line Name: Future Water MJJV Ltd Easting: 471343 Northing: 109504	Annual Volume (m^3): 418077 Max Daily Volume (m^3): 1267 Original Application No: NPS/WR/038078 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 1 Version Start Date: 13/12/2023 Version End Date: -
-	1182m E	Status: Active Licence No: SO/042/0028/021 Details: Dust Suppression Direct Source: Southern Region Groundwater Point: GREEN ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471384 Northing: 109736	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -
-	1182m E	Status: Active Licence No: SO/042/0028/021 Details: Process Water Direct Source: Southern Region Groundwater Point: GREEN ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471384 Northing: 109736	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 Version End Date: -
-	1182m E	Status: Active Licence No: SO/042/0028/021 Details: Dewatering Direct Source: Southern Region Groundwater Point: GREEN ABSTRACTION AREA Data Type: Poly4 Name: Future Water MJJV Ltd Easting: 471384 Northing: 109736	Annual Volume (m^3): 471051 Max Daily Volume (m^3): 1295 Original Application No: NPS/WR/041104 Original Start Date: 13/12/2023 Expiry Date: 31/12/2028 Issue No: 2 Version Start Date: 04/07/2024 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 40 >**

ID	Location	Details	
-	1710m NE	Status: Historical Licence No: 11/42/36.1/3CA Details: Spray Irrigation - Direct Direct Source: Southern Region Surface Waters Point: BLENDWORTH COMMON RESERVOIR AT PADNELL FARM Data Type: Point Name: Borrow Investments Ltd Easting: 471000 Northing: 111190	Annual Volume (m^3): 15456 Max Daily Volume (m^3): 1000.1 Original Application No: - Original Start Date: 03/07/1978 Expiry Date: - Issue No: 100 Version Start Date: 01/04/2016 Version End Date: -

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

5.8 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	1

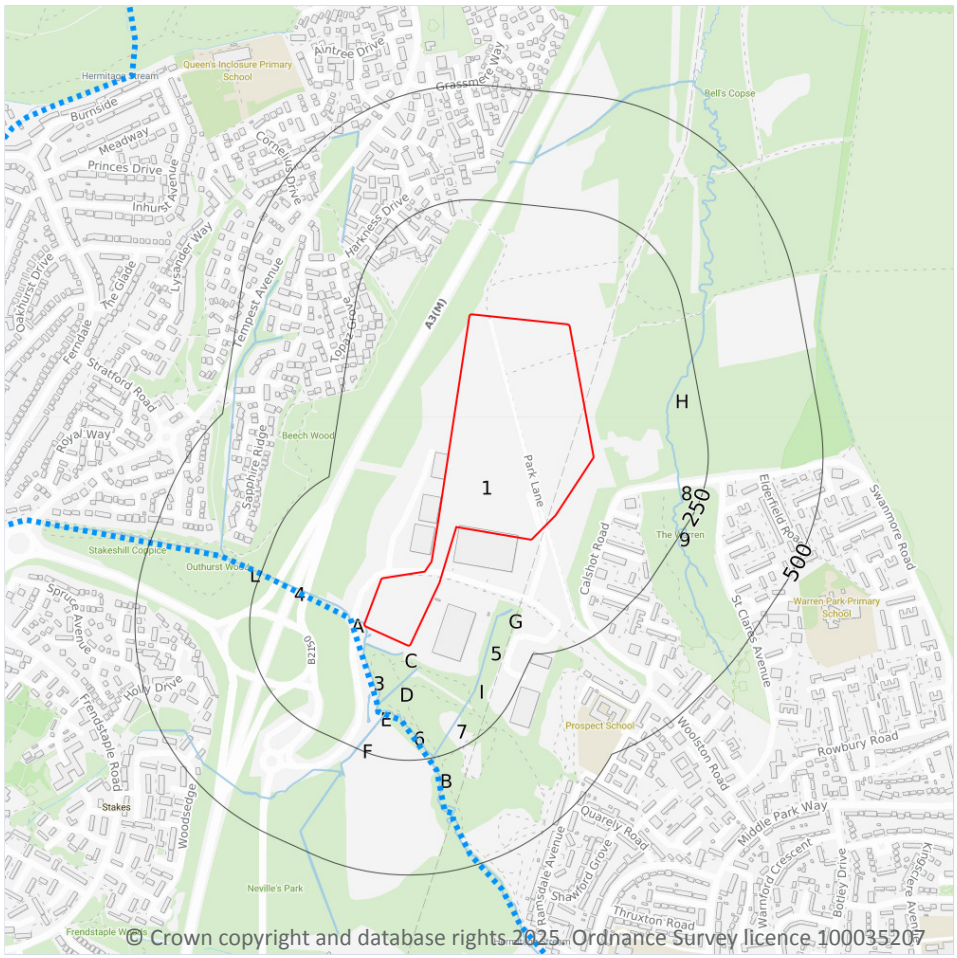
Source Protection Zones in the confined aquifer define the sensitivity around a deep groundwater abstraction to contamination. A confined aquifer would normally be protected from contamination by overlying geology and is only considered a sensitive resource if deep excavation/drilling is taking place.

Features are displayed on the Abstractions and Source Protection Zones map on **page 40 >**

ID	Location	Type	Description
1	**On site**	**1c**	**Inner catchment within confined aquifer**

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

6 Hydrology



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6.1 Water Network (OS MasterMap)

Records within 250m	19

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 46 >**

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

ID	Location	Type of water feature	Ground level	Permanence	Name
C	17m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	19m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
C	32m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
3	35m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hermitage Stream
D	53m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
4	112m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hermitage Stream
5	145m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
E	146m SW	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hermitage Stream
6	149m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hermitage Stream
F	149m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
G	150m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
H	164m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
I	166m 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
7	173m SE	Inland river not influenced by normal tidal action.	Not provided	Watercourse contains water year round (in normal circumstances)	-
8	190m E	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
9	202m E	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-
L	241m W	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hermitage Stream
B	248m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	Hermitage Stream

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	11

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 46 >**

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 46 >**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	**On site**	**River**	**Hermitage Stream**	**GB107042016370**	**East Hampshire Rivers**	**East Hampshire**

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 46 >**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	25m W	River	Hermitage Stream	GB107042016370 ↗	Moderate	Fail	Moderate	2019

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

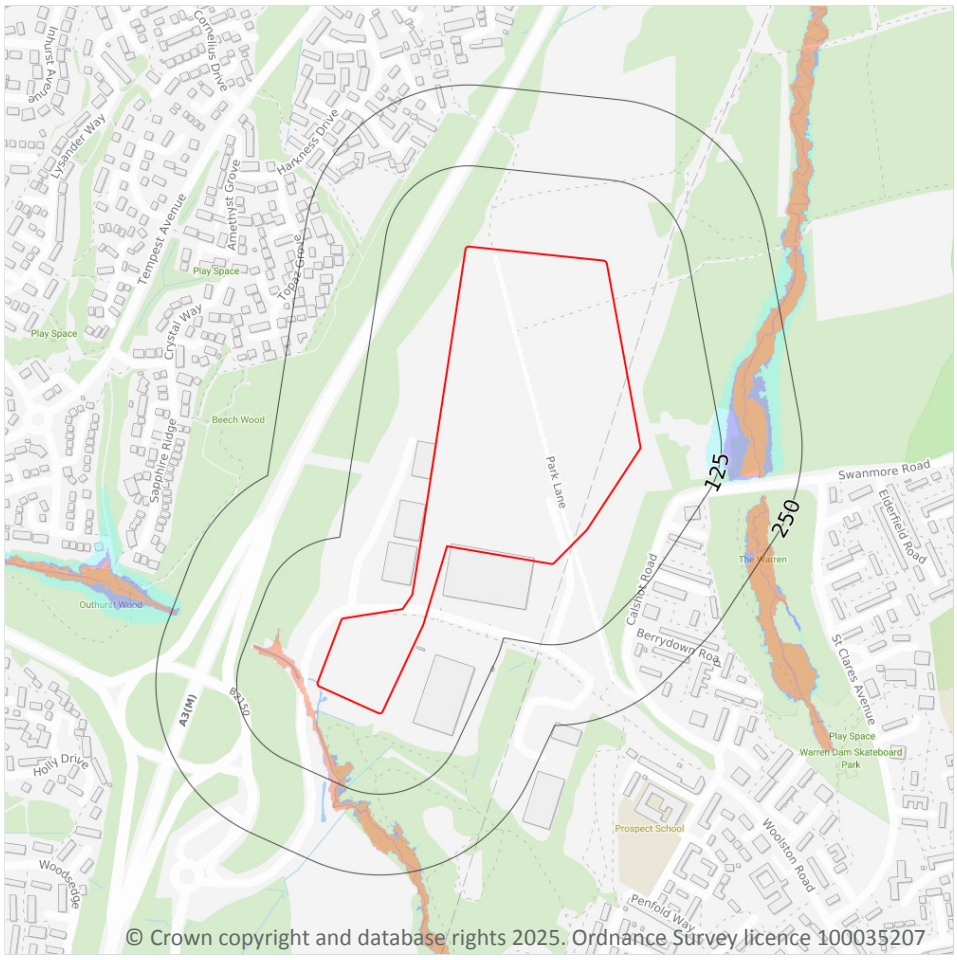
6.5 WFD Groundwater bodies

Records on site	0

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

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

7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m	10

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 50 >**

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

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

7.2 Historical Flood Events

Records within 250m	**0**

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

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

7.3 Flood Defences

Records within 250m	**0**

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m	**0**

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

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

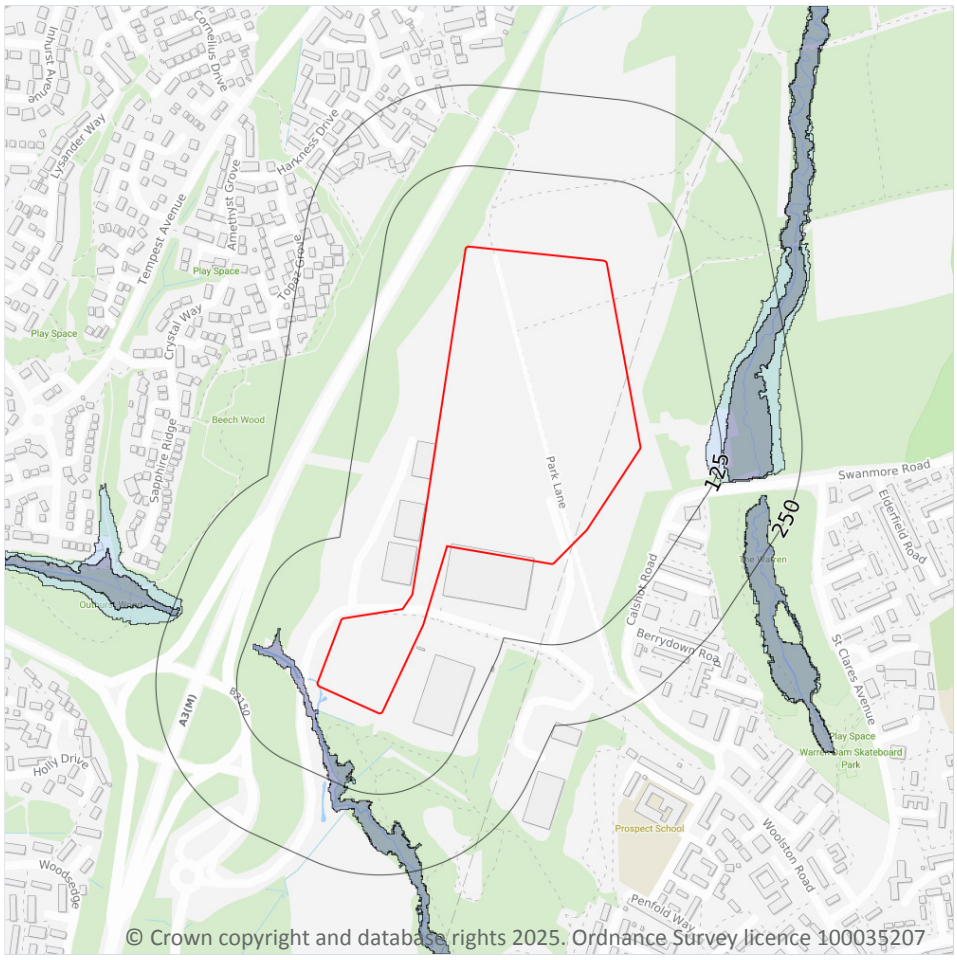
7.5 Flood Storage Areas

Records within 250m	**0**

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

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

River and coastal flooding - Flood Zones



7.6 Flood Zone 2

Records within 50m	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 50 >**

Location	Type
33m SW	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

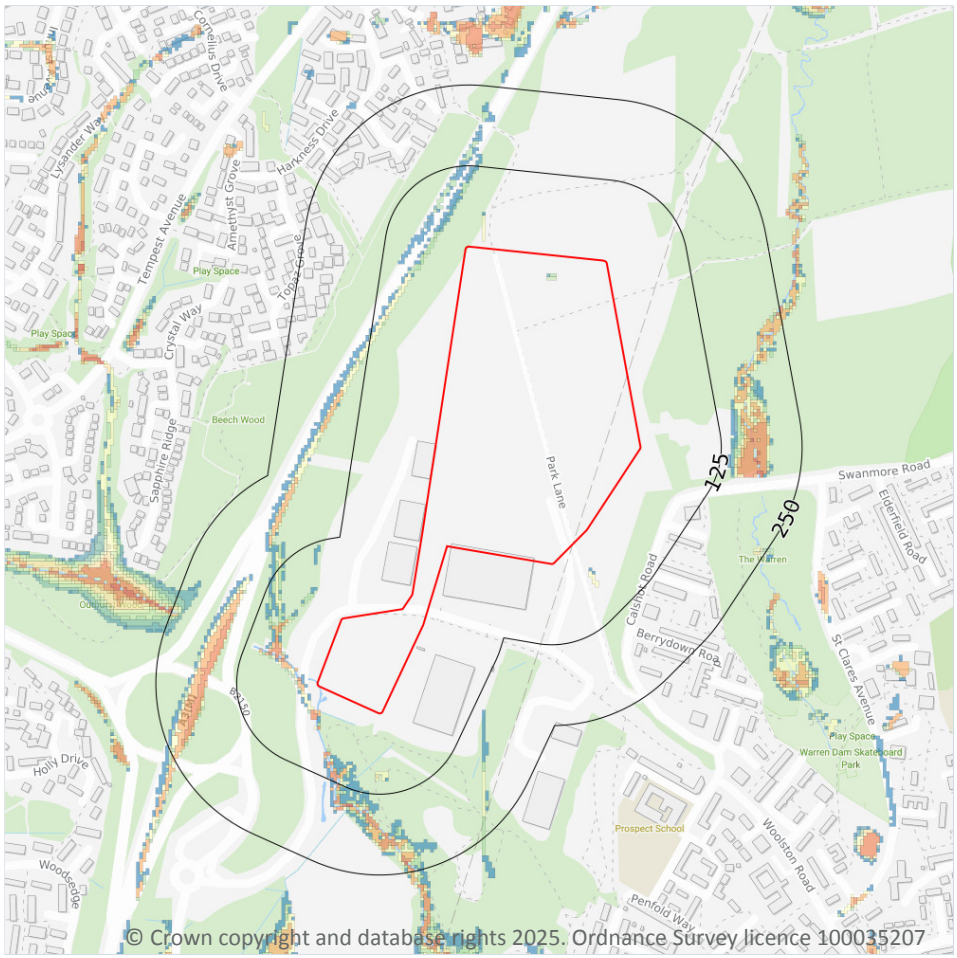
Areas of land at risk of flooding, when the presence of flood defences are ignored. Covering land with a 1 in 100 (1%) or greater chance of flooding each year from rivers or a 1 in 200 (0.5%) or greater chance of flooding each year from the sea.

Features are displayed on the River and coastal flooding map on **page 50 >**

Location	Type
18m W	Zone 3 - (Fluvial /Tidal Models)

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

8 Surface water flooding



Site Outline
Search buffers in metres (m)

1 in 1000 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period
- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site	**1 in 250 year, 0.3m - 1.0m**
Highest risk within 50m	**1 in 30 year, 0.3m - 1.0m**

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

Features are displayed on the Surface water flooding map on **page 54 >**

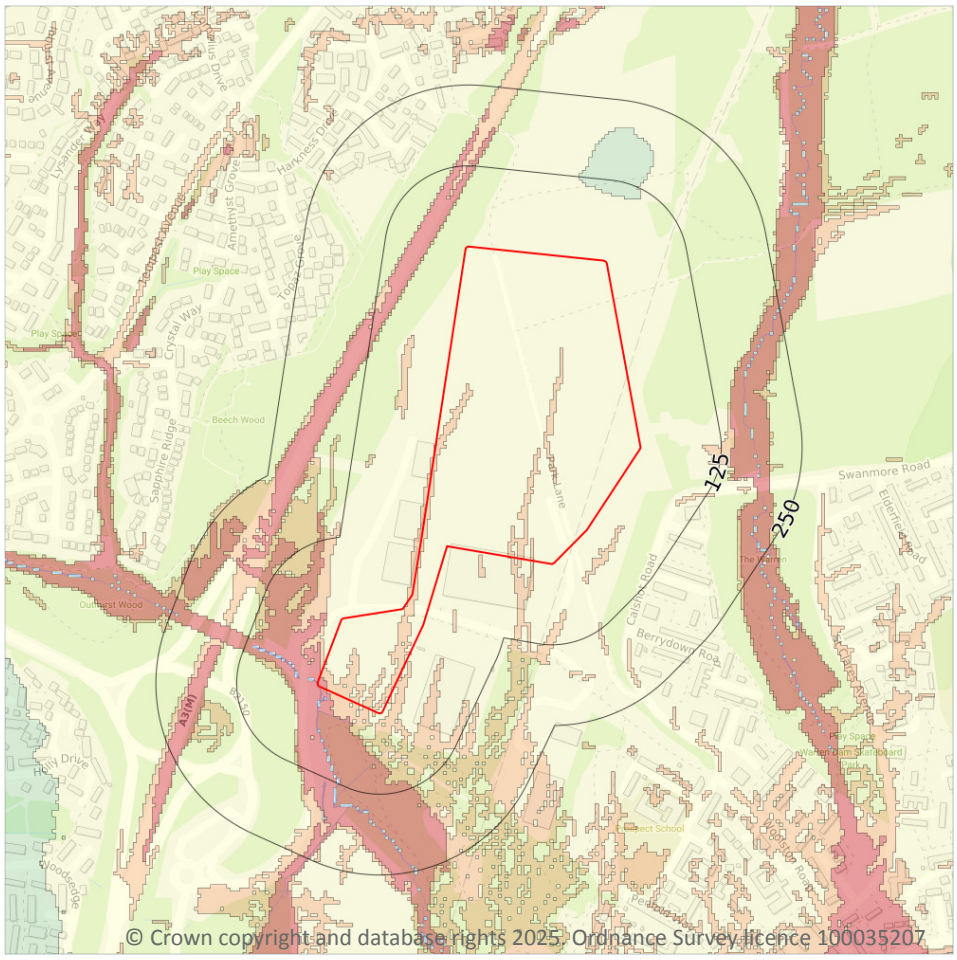
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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	Negligible
1 in 30 year	Negligible

This data is sourced from Ambiental Risk Analytics.

9 Groundwater flooding



Site Outline

Search buffers in metres (m)

High

Moderate - High

Moderate

Low

Negligible

9.1 Groundwater flooding

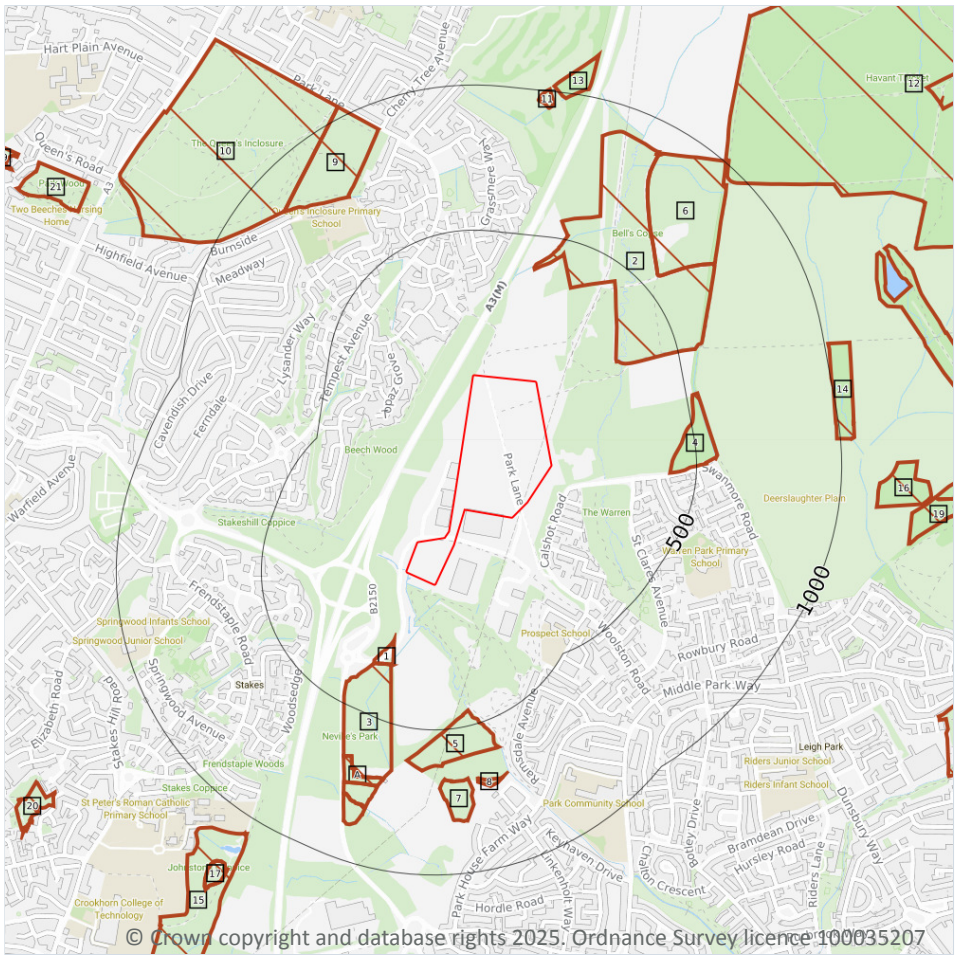
Highest risk on site	**High**
Highest risk within 50m	**High**

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 56 >**

This data is sourced from Ambiental Risk Analytics.

10 Environmental designations



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Site Outline

Search buffers in metres (m)

Local Nature Reserves (LNR)

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	1

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.

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

ID	Location	Name	Data source
-	1822m N	Hazleton Common Lnr	Natural England

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

10.7 Designated Ancient Woodland

Records within 2000m	35

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 57 >**

ID	Location	Name	Woodland Type
1	230m SW	Unknown	Ancient & Semi-Natural Woodland
2	286m E	Bells Copse	Ancient & Semi-Natural Woodland
3	311m SW	Unknown	Ancient & Semi-Natural Woodland
4	409m E	Cabbagefield Row	Ancient & Semi-Natural Woodland
5	448m S	Bushy Lease	Ancient & Semi-Natural Woodland
6	559m NE	Bells Copse	Ancient Replanted Woodland
A	655m SW	Unknown	Ancient & Semi-Natural Woodland
7	671m S	Unknown	Ancient & Semi-Natural Woodland
8	683m S	Unknown	Ancient & Semi-Natural Woodland
A	721m S	Unknown	Ancient & Semi-Natural Woodland
9	750m NW	The Queens Inclosure	Ancient & Semi-Natural Woodland
A	781m SW	Unknown	Ancient Replanted Woodland

ID	Location	Name	Woodland Type
10	863m NW	The Queens Inclosure	Ancient Replanted Woodland
11	942m N	Unknown	Ancient & Semi-Natural Woodland
12	964m NE	Forest Of Bere	Ancient Replanted Woodland
13	982m N	Unknown	Ancient & Semi-Natural Woodland
14	988m E	Unknown	Ancient & Semi-Natural Woodland
15	1056m SW	Unknown	Ancient & Semi-Natural Woodland
16	1129m E	Round Wood	Ancient & Semi-Natural Woodland
17	1183m SW	Unknown	Ancient Replanted Woodland
18	1218m E	Unknown	Ancient & Semi-Natural Woodland
19	1253m E	Unknown	Ancient Replanted Woodland
20	1430m SW	Unknown	Ancient & Semi-Natural Woodland
21	1474m NW	Unknown	Ancient & Semi-Natural Woodland
-	1528m SW	Unknown	Ancient & Semi-Natural Woodland
-	1543m SW	Unknown	Ancient Replanted Woodland
24	1589m SE	Great Copse	Ancient & Semi-Natural Woodland
-	1625m SW	Unknown	Ancient & Semi-Natural Woodland
-	1638m S	Unknown	Ancient & Semi-Natural Woodland
-	1686m S	Unknown	Ancient & Semi-Natural Woodland
-	1687m E	Unknown	Ancient & Semi-Natural Woodland
29	1741m NW	Unknown	Ancient & Semi-Natural Woodland
-	1789m S	Unknown	Ancient Replanted Woodland
-	1846m E	Hammond's Lands Copse	Ancient & Semi-Natural Woodland
-	1971m NE	Unknown	Ancient & Semi-Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m	0

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

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

10.9 Forest Parks

Records within 2000m	0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m	0

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

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

10.11 Green Belt

Records within 2000m	0

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

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

10.12 Proposed Ramsar sites

Records within 2000m	0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m	0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m	0

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m	0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m	2

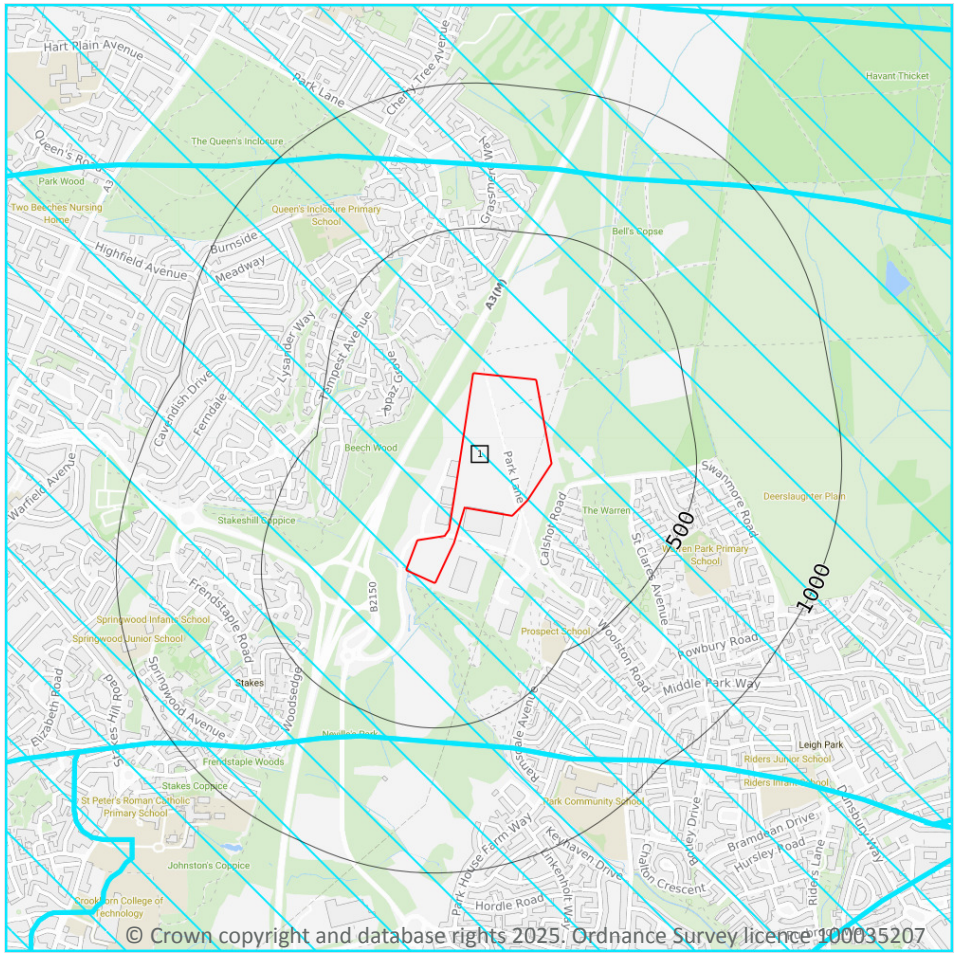
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	**Chichester,Langstone and Portsmouth Harbours Eutrophic NVZ (TraC)**	**Eutrophic Water**	**2**	**Existing**

Location	Name	Type	NVZ ID	Status
620m NE	Hampshire Chalk	Groundwater	143	Existing

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

SSSI Impact Zones and Units



Site Outline

Search buffers in metres (m)

SSSI Impact Risk Zones

SSSI Units

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

10.17 SSSI Impact Risk Zones

Records on site	1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 64 >**

ID	Location	Type of developments requiring consultation
1	**On site**	**https://irz.geodata.org.uk/IRZ/step2.html?irzcode=0300055430050&notes=11101+11414&location=471425,109304 %20(IRZ%20polygon%20centre)**

This data is sourced from Natural England.

10.18 SSSI Units

Records within 2000m	0

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

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

11 Visual and cultural designations

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	0

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

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

11.6 Scheduled Ancient Monuments

Records within 250m	0

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

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

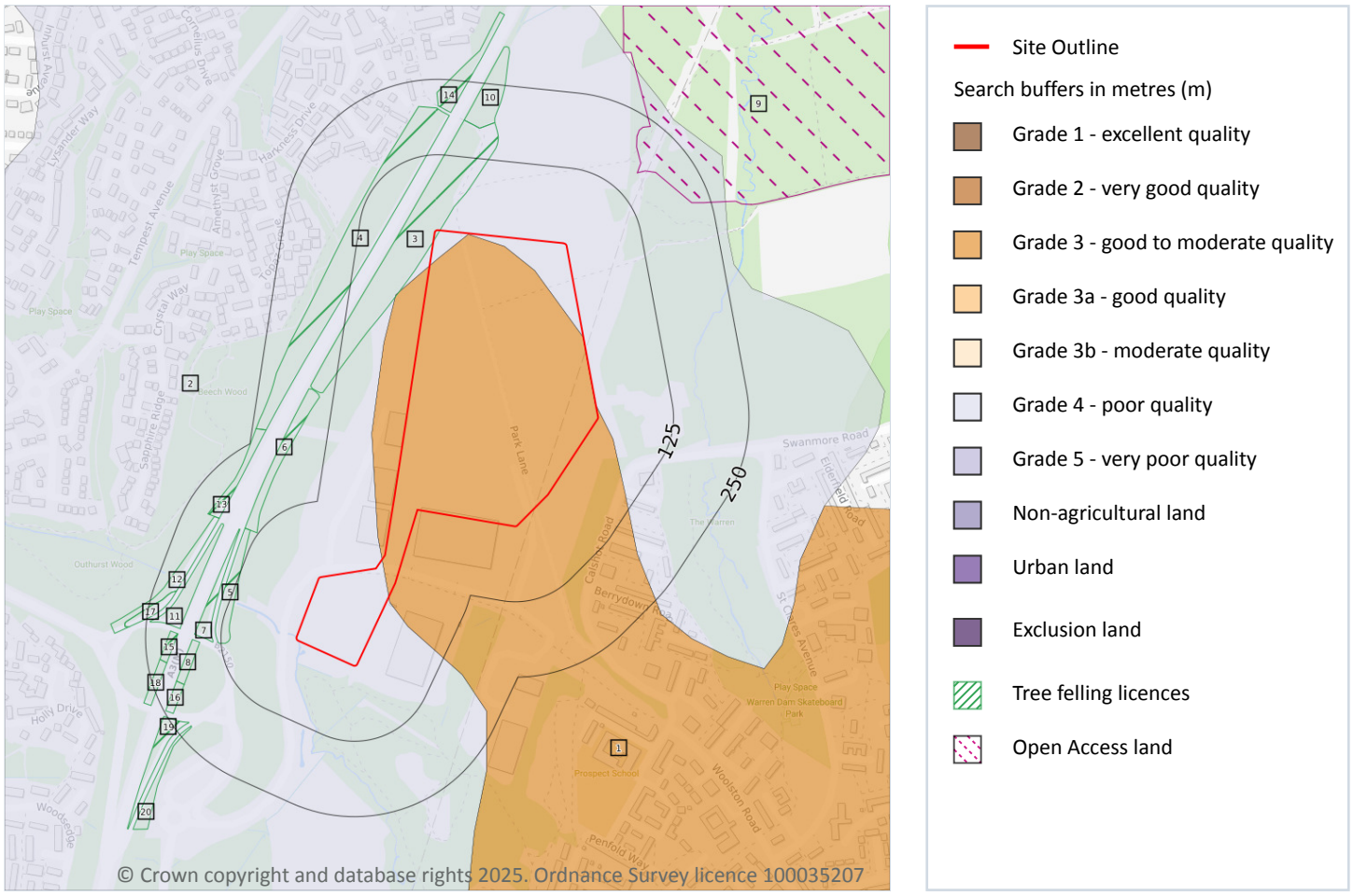
11.7 Registered Parks and Gardens

Records within 250m	0

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

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

12 Agricultural designations



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 68 >**

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

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

This data is sourced from Natural England.

12.2 Open Access Land

Records within 250m	**1**

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.

Features are displayed on the Agricultural designations map on **page 68 >**

ID	Location	Name	Classification	Other relevant legislation
9	168m NE	SEE/13852	Section 16 Dedicated Land	-

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

12.3 Tree Felling Licences

Records within 250m	**17**

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 68 >**

ID	Location	Description	Reference	Application date
3	**On site**	**Selective Fell/Thin (Unconditional)**	**018/366/15-16**	**-**
4	75m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
5	110m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
6	127m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
7	138m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
8	160m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-

ID	Location	Description	Reference	Application date
10	175m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
11	180m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
12	193m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
13	193m NW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
14	196m N	Selective Fell/Thin (Unconditional)	018/366/15-16	-
15	196m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
16	201m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
17	213m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
18	219m W	Selective Fell/Thin (Unconditional)	018/366/15-16	-
19	226m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-
20	226m SW	Selective Fell/Thin (Unconditional)	018/366/15-16	-

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m	**1**

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.

Location	Reference	Scheme	Start Date	End date
On site	**AG00471155**	**Entry Level plus Higher Level Stewardship**	**01/10/2013**	**30/09/2023**

This data is sourced from Natural England.

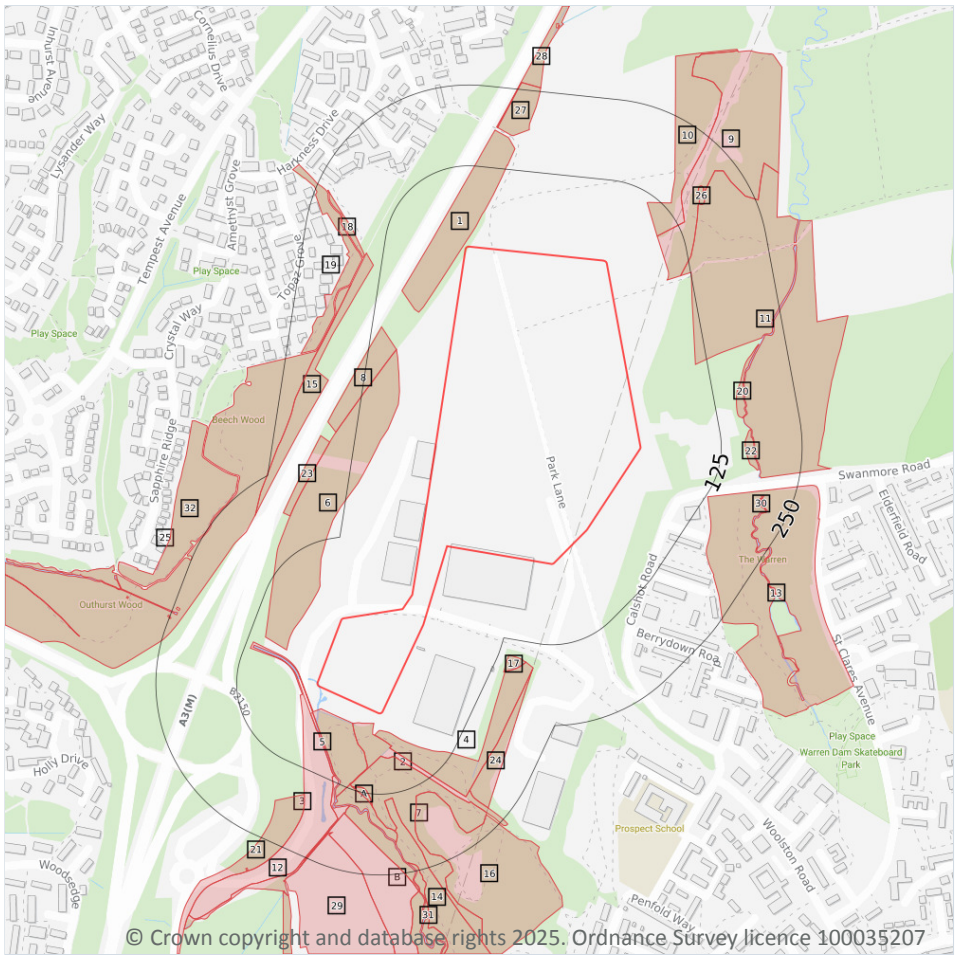
12.5 Countryside Stewardship Schemes

Records within 250m	**0**

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

This data is sourced from Natural England.

13 Habitat designations



13.1 Priority Habitat Inventory

Records within 250m	36

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 71 >**

ID	Location	Main Habitat	Other habitats
1	5m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
2	17m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
3	21m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
4	26m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

ID	Location	Main Habitat	Other habitats
5	41m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
6	53m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
7	66m S	Good quality semi-improved grassland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
8	82m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
9	87m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
10	89m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
11	107m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
12	116m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
A	118m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
A	119m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
13	128m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
14	132m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
15	137m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
16	139m SE	Good quality semi-improved grassland	Main habitat: LMEAD (INV > 50%)
17	140m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	150m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
18	153m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
19	156m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
20	157m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
21	162m SW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
22	162m E	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
23	163m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
B	163m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
24	167m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
25	167m W	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
26	171m NE	Deciduous woodland	Main habitat: DWOOD (INV > 50%); LMEAD (INV > 50%)
27	178m N	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
28	188m N	No main habitat but additional habitats present	Additional: DWOOD (INV 50%)

ID	Location	Main Habitat	Other habitats
29	199m S	Good quality semi-improved grassland	Main habitat: LMEAD (INV > 50%)
30	201m SE	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
31	235m S	Deciduous woodland	Main habitat: DWOOD (INV > 50%)
32	250m NW	Deciduous woodland	Main habitat: DWOOD (INV > 50%)

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m	0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m	0

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

This data is sourced from Natural England.

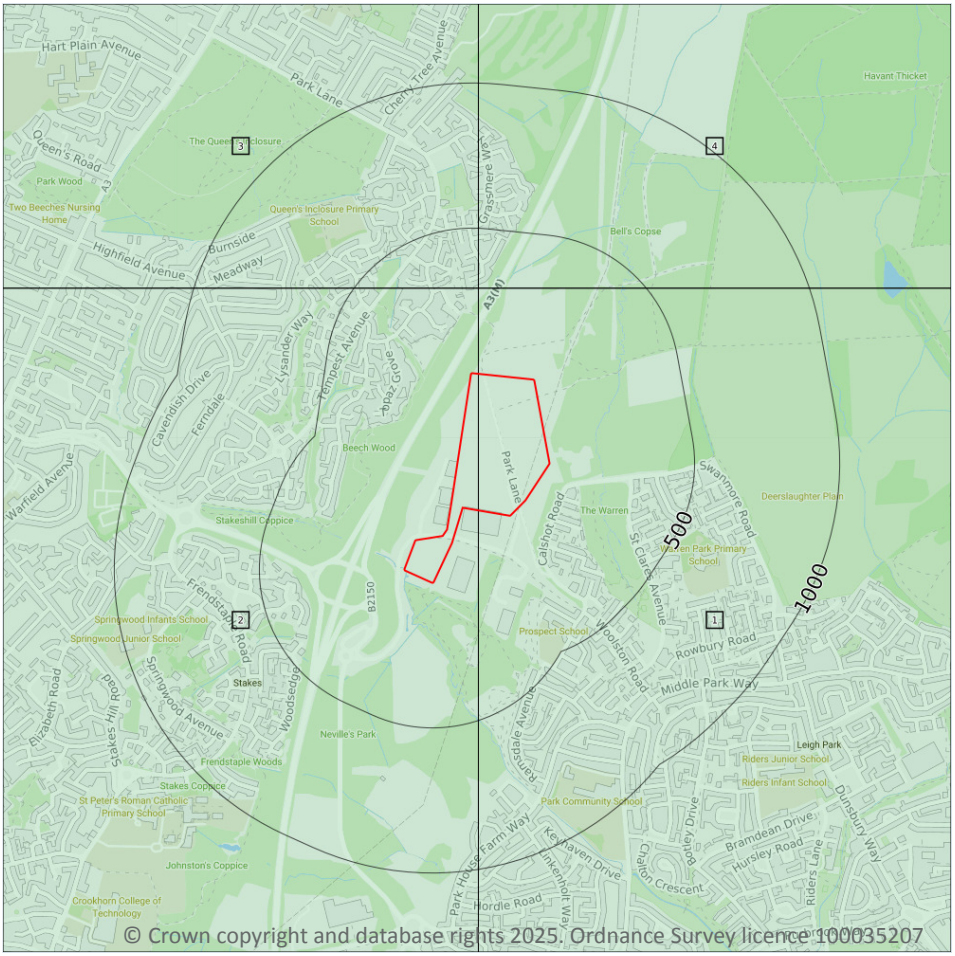
13.4 Limestone Pavement Orders

Records within 250m	0

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

This data is sourced from Natural England.

14 Geology 1:10,000 scale - Availability



Site Outline

Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m	4

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 74 >**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SU70NW**
2	**On site**	**Full**	**Full**	**Full**	**No coverage**	**SU60NE**
3	293m N	Full	Full	Full	No coverage	SU61SE
4	294m N	Full	Full	Full	Full	SU71SW

This data is sourced from the British Geological Survey.