

Client: Checkfire Limited

Address: Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, CF83 3HU



Checkfire Limited, Unit 10B, Sir Alfred Owen Way,
Pontygwindy Industrial Estate, Caerphilly, CF83 3HU

Application for Bespoke Environmental Permit

Site Condition Report


08 July 2025

Our Reference: Checkfire Ltd-Site Condition Report-RP02-Final



Waste And Industry Compliance Ltd

ENVIRONMENTAL CONSULTANCY SERVICES

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Checkfire Ltd-Site Condition Report-RP02-Final

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Appendix 2 AR Drainage Solutions – Site Drainage Plan

1 SITE DETAILS

1.1.1 This Site Condition Report (SCR) has been prepared on behalf of Checkfire Limited (**the Operator**) for Unit 10B, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, CF83 3HU (**the Site**). It has been prepared in accordance with 'Guidance for applicants: H5 Site Condition Report – Guidance and Templates' (Natural Resources Wales, October 2014).

1.1.2 Checkfire Limited was established in 1975 and is a leading supplier of fire extinguishers and high-quality ancillary equipment to trade customers in the UK and overseas. As part of the service to customers, the Operator seeks a bespoke Environmental Permit for the Site to authorise the following:

- The receipt, storage and decommissioning of up to 60,000 out of date or spent fire extinguishers per month (i.e. up to 720,000 units per annum);
- The storage and transfer of small quantities of non-hazardous packaging waste associated with the return of fire extinguishers to the Site (e.g. cardboard, plastic and paper packaging);
- Separately baling cardboard and plastic wastes on site;
- The emptying and transfer of spent fire extinguisher foam media to an activated carbon absorption plant, which captures and contains contaminants in the carbon media, with the cleaned liquid media transferred into dedicated IBCs for off-site removal as a non-hazardous waste to authorised facilities. The used carbon absorption media is returned to the supplier for off-site processing;
- The emptying and transfer of spent fire extinguisher powder media to a bagging plant for collection in bulk 1 tonne bags for transfer off-site to an authorised recycling facility;
- The emptying and discharge of spent deionised water to foul sewer in accordance with a Trade Effluent Discharge Consent issued by Welsh Water;
- The dismantling of empty foam, powder and deionised water fire extinguishers, with the metal and plastic components supplied to authorised off site recycling facilities. Dismantled metal components are transferred via an inclined conveyor to a 40 cubic yard skip located inside the building for bulking up and transfer off-site to an authorised scrap metal recycling facility;
- The storage of out of date or spent CO₂ fire extinguishers, prior to their off-site removal to an authorised facility for emptying of gas media, refilling with new media and reconditioning of the cannister for supply to customers.

1.1.3 The Site incorporates an enclosed and roofed concrete block and steel portal framed building fitted with roller shutter vehicular access doors and pedestrian access door. The floor of the building comprises impermeable concrete slab. A drainage channel inside the

- building leads to a concrete sump, where any inadvertent spillage of fire extinguisher media is collected before being pumped to an IBC for authorised disposal off-site.
- 1.1.4 In addition, a second lateral drain, with covering metal grid, has been installed across the entire internal width of the building entrance to prevent any inadvertent escape of liquid to the external environment via the vehicular and pedestrian entrances. This internal lateral drain falls to a separate concrete sump, from where any collected liquid or foam would be pumped to an IBC inside the building for authorised disposal off-site.
- 1.1.5 The entire building floor comprises engineered concrete and the lateral drain across the vehicular and pedestrian entrances ties into the sides of the sealed building walls thereby preventing any possibility of liquids by-passing the drain.
- 1.1.6 An external yard in front of the building and within the Site boundary comprises engineered surface and is used for the storage of packaging waste in an enclosed and lidded skip. A dedicated loading and unloading area has been constructed on the external yard, which comprises impermeable concrete pavement circa 5m x 4m in area, which is kerbed to 3 sides, with the unkerbed side enabling access and egress by the fork-lift truck to load and unload lorries.
- 1.1.7 The external yard naturally slopes from the public highway on Sir Alfred Owen Way to the front of the building. The unkerbed side of the unloading area is up gradient, i.e. nearest the public highway, meaning that any accidental spillage or leakage during loading or unloading would be contained by the kerbed area. The size of the kerbed area is such that it can contain the entire contents of an IBC in the event a container was accidentally punctured or tipped over during loading or unloading. In the event of a spillage, contained liquid would be pumped from the kerbed loading and unloading area into a separate and sealed IBC for authorised disposal off site.
- 1.1.8 The proposed Environmental Permit boundary is shown on Drawing 'Indicative Site Layout and Storage', DW03.

Table 1: Site Details

Site Details	
Name of the Applicant	Checkfire Limited.
Activity Address	Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, CF83 3HU
National Grid Reference	ST 15149 88490
Document Reference and Dates for Site Condition Report at Permit Application	Checkfire Ltd-Site Condition Report-RP02-Final. March 2025.
Document References for Site Plans (including location and boundaries)	Drawing 'Indicative Site Layout and Storage', DW03. Drawing 'Site Drainage', DW04

2 CONDITION OF LAND AT PERMIT ISSUE

2.1 ENVIRONMENTAL SETTING

- 2.1.1 The Site is located on the Pontygwindy Industrial Estate, Caerphilly. It is bordered by other industrial units to the west, south and east. Sir Alfred Owen Way is located to the immediate north, beyond which there are further industrial units within the Industrial Estate. The Site is accessed off Sir Alfred Owen Way.
- 2.1.2 The nearest residential properties are circa 145m west on Pantycelyn Drive, 150m west on Herbert Drive, 160m southwest on Lewis Drive, 165m south southwest on Howard Drive, 200m southwest on Dyfed Drive and 200m west on Davies Drive. The nearest domestic properties east of the Site are on Pontygwindy Road, circa 215m from the facility.
- 2.1.3 There is one European Site (i.e. Special Protection Area (SPA), Special Conservation Area (SAC) or Ramsar Site) within 10km of the Site, namely Cardiff Beech Woods (SAC), which is circa 4,190m south of the facility.
- 2.1.4 There are two Sites of Special Scientific Interest (SSSI) within a 2km radius of the Site, namely Llanbradach Quarry SSSI, circa 983m to the north northwest and Gwaun Gledyr SSSI, circa 1,700 to the southwest of the facility.
- 2.1.5 There are nine Sites of Importance for Nature Conservation (SINCs) within a 2km radius of the Site, namely:
- Nant yr Aber SINC, circa 344m south southeast of the facility;
 - Coed y Brain, Penyrheol SINC, circa 532m northwest of the facility;
 - Mynydd Dimlaith and Cwm-y-Bwch, southeast of Llanbradach SINC, circa 1,036m north northeast of the facility;
 - Rhymney River SINC, circa 1,187m east of the facility;
 - Cwm yr Aber, South of Abertridwr SINC, circa 1,316m southwest of the facility;
 - Mynydd Eglwysilan, north of Senghenydd SINC, circa 1,736m northwest of the facility;
 - Gypsy Lane Wetland, south of Groeswen SINC, circa 1,792m southwest of the facility;
 - Caerphilly/ Machen Disused Railway, east of Trethomas SINC, circa 1,848m southeast of the facility;
 - Coed y Maerdy, east of Caerphilly SINC, circa 1,988m southeast of the facility.
- 2.1.6 There are Areas of Ancient Semi Natural Woodland circa 45m west southwest, 255m southwest and 340m southeast of the Site, with a belt of Ancient Woodland (Unknown Category) circa 255m east of the facility.
- 2.1.7 There are three Scheduled Monuments within a 2km radius of the Site (https://datamap.gov.wales/maps/new?layer=inspire-wg:Cadw_SAM#/):

- Caerphilly Iron Furnace, circa 1,184m southwest of the facility;
- Caerphilly Castle, circa 1,186m south of the facility;
- Cornish Type Engine House, Bryngwn Colliery, circa 1,311m northeast of the facility.

2.1.8 There are no Marine Special Protection Areas, National Nature Reserves, Biosphere Reserves or Local Nature Reserves within 2km radius of the Site.

2.1.9 There are no National Parks or Areas of Outstanding Natural Beauty (AONBs) within 10km of the Site.

2.2 GEOLOGY

2.2.1 A Groundsure Report, dated 7 March 2025, (see Appendix 1) has been obtained for the Site to provide background environmental information and data.

2.2.2 The Groundsure Report and British Geological Survey mapping (<https://www.bgs.ac.uk/map-viewers/bgs-geology-viewer/>) show that bedrock geology at the Site comprises Grovesend Formation - Mudstone, siltstone and sandstone. This is a sedimentary bedrock formed between 309.5 and 308 million years ago during the Carboniferous period.

2.2.3 Superficial geology at the Site comprises Alluvium - Clay, silt, sand and gravel. These are sedimentary superficial deposits formed between 11.8 thousand years ago and the present during the Quaternary period.

2.3 HYDROGEOLOGY

2.3.1 The bedrock aquifer at the Site is classed as a Secondary A Aquifer, i.e. 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.

2.3.2 The superficial deposits on Site are also classed a Secondary A Aquifer, i.e. 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.

2.3.3 The Site is not located within 500m of a groundwater Source Protection Zone.

2.4 SURFACE WATERS

2.4.1 There nearest surface water course is a drain located circa 145m south of the Site. It appears to flow into the Nany Yr Aber, circa 344m south southeast of the facility. The Nant Y Aber flows into the Rhymney River, at a location circa 1,187m east of the Site.

2.5 GROUNDWATER ABSTRACTIONS

2.5.1 The Groundsure Report shows that there are 4 historical groundwater abstractions within

a 2 Km radius of the Site, see Table 2.

Table 2: Historical Groundwater Abstraction Licences

Licence Number and status	Annual Volume (m ³)	Use	Direction (m)
21/57/12/0041	81.8	General Farming & Domestic	1763m NW
15/47/010/G/105	35,040	General Use Relating to Secondary Category (Medium Loss)	1862m E
15/47/010/G/105	35,040	General Use Relating to Secondary Category (Medium Loss)	1923m E
21/57/12/0040	-	General Farming & Domestic	1947m W

2.5.2 The nearest groundwater abstraction is 1,763m northwest of the Site.

2.5.3 The Site does not abstract groundwater. All the Site surface comprises engineered pavement and there is no requirement or risk of discharging from the facility into groundwater.

2.6 SURFACE WATER ABSTRACTIONS

2.6.1 There are no licensed surface water abstractions within 2 Km of the Site.

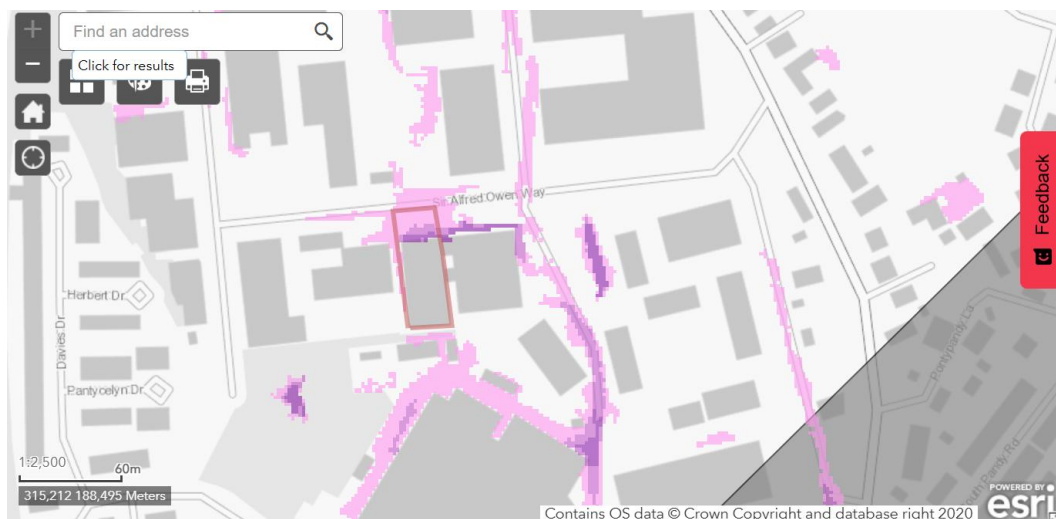
2.7 POTABLE WATER ABSTRACTIONS

2.7.1 There are no licensed potable water abstractions within 2 Km of the Site.

2.8 FLOOD RISK SUMMARY

2.8.1 NRW's Flood Risk Map Viewer shows that the Site's external yard is located on a combination of low, medium and high flood risk from surface water and small rivers, see Figure 1.

Figure 1: River and Coastal Flooding



- 2.8.2 Low flood risk is an area with less than a 1% chance of annual river or sea flooding, whilst Medium flood is defined as less than 1 in 30 but greater than or equal to 1 in 100 chance in any given year. High flood risk areas have a higher probability than 1% of flooding from rivers, or greater than 0.5% probability from sea.
- 2.8.3 The Groundsure Report states that there are no records of historic flooding from rivers, the sea, groundwater and surface water at the Site or within 250m distance. Flood records began in 1946. The River and Coastal Flood Map is reproduced from the Groundsure Report in Figure 1 below.
- 2.8.4 The risk of groundwater flooding at the Site is low.

2.9 NITRATE VULNERABLE ZONES

- 2.9.1 There are no Nitrate Vulnerable Zones or Nitrate Sensitive Areas within 2 Km of the Site. An NVZ is classed as an area at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). NVZs are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas must follow mandatory rules to tackle nitrate loss from agriculture. Nitrate Sensitive Areas are places 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.

2.10 DESIGNATED HABITAT SITES

- 2.10.1 There is one European Site within 10km of the Site, i.e. Cardiff Beech Woods SAC, which is circa 4,190m south of the facility. However, at this distance the risk from the Site impacting the SAC is considered negligible.
- 2.10.2 There are two Sites of Special Scientific Interest (SSSI) with a 2km radius of the Site, namely Llanbradach Quarry SSSI, circa 983m to the north northwest and Gwaun Gledyr SSSI, circa 1,700 to the southwest of the facility.
- 2.10.3 Llanbradach Quarry SSSI exhibits valuable geological features, including Upper Carboniferous rock formations which are rich in palaeobotanical interest. It also has a variety of plants and animals, including species of local importance.
- 2.10.4 Gwaun Gledyr SSSI includes an extensive area of marshy grassland and a smaller area of neutral grassland. These habitats are also associated with smaller areas of acid flush, wet heath, acid grassland and scrub. Broadleaved woodland also forms a significant percentage of the site, often as overgrown field boundaries; there is a large single area in the northwest of the site.
- 2.10.5 Most of the area is overlain with glacial boulder clay, but there is some exposed sandstone of the upper Pennant measures. Soils are loamy brown podzols over the sandstone, or more commonly strongly gleyed (often waterlogged) stony loams with peaty or humose topsoil, on the boulder clay.
- 2.10.6 There are no Marine Special Protection Areas, National Nature Reserves, Biosphere

Reserves or Local Nature Reserves within 2km radius of the Site.

- 2.10.7 There are Areas of Ancient Semi Natural Woodland circa 45m west southwest, 255m southwest and 340m southeast of the Site, with a belt of Ancient Woodland (Unknown Category) circa 255m east of the facility.
- 2.10.8 The Groundsure Report shows that there are no Priority Habitats within 250m of the Site.
- 2.10.9 The Wye Valley AONB is circa 32km east of the Site, whilst the Bannau Brycheiniog National Park is circa 27km north of the facility. These are the closest AONBs and National Parks.

3 POLLUTION HISTORY

3.1 POLLUTION INCIDENTS

- 3.1.1 The Groundsure Report lists 8 No historic pollution incidents within a 500m radius of the Site, see Table 3 below.

Table 3: Pollution Incidents Within a 500m Radius

Date	Pollutant	Pollutant Description	Impact	Location
30/07/2021	Specific Waste Material	Commercial Waste	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details	19m SW
02/10/2002	Other Pollutant	Other	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	72m NW
14/01/2002	Organic Chemicals/Products	Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)	162m N
05/09/2001	Sewage Materials	Grey Water	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)	227m SW
28/05/2018	Not Identified	Not Identified	Water Impact: Category 2 (Significant) Land Impact: No Details Air Impact: No Details	351m SE
19/10/2022	Contaminated Water	Dairy Washings	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details	371m SE
09/09/2022	Contaminated Water	Dairy Washings	Water Impact: Category 1 (Major) Land Impact: No Details Air Impact: No Details	437m SE
30/08/2022	General Biodegradable Materials and Waste	Food and Drink	Water Impact: Category 2 (Significant) Land Impact: No Details Air Impact: No Details	437m SE

- 3.1.2 Table 3 includes 1 No pollution incident that was classed by NRW as Category 1 (Major), namely a water pollution that occurred from dairy washings on 9 September 2022, at a

location circa 437m from the Site. A further incident occurred at the same location on 30 August 2022 when a Category 2 (Significant) water pollution arose from food and drink materials. On the 19 October 2022, Category 2 (Significant) water and land pollutions occurred in the general vicinity of the above two incidents, circa 371m southeast of the Site.

3.1.3 There are two further significant pollution incidents and two minor pollution incidents referenced in the Groundsure Report. One incident, namely on 5 September 2001 resulted in no recorded impact to any environmental media (i.e. water, land and air).

3.1.4 In addition to the pollution incidents referenced in the Groundsure Report, a fire occurred on 7 April 2025 at the nearby Magnera Composite Fibres facility, circa 40m south of the Site. Fire extinguisher foam used by South Wales Fire and Rescue Service drained into the Nant yr Aber, resulting in a visible presence of foam on the surface of the watercourse.

3.2 HISTORICAL LAND USE

3.2.1 Historical maps of the Site, derived from historical Ordnance Survey mapping, have been reviewed as part of this SCR, see Table 4 below. In addition, the Groundsure Report provides details of historical land use at the Site and its immediate vicinity.

Table 4: Historical Land Use

Date	Scale	Land Use
1875	1:2,500	The Site predominantly comprises an agricultural field, with a belt of woodland across the northern extremity of the land. Surrounding land is predominantly rural, although Energlyn Colliery is located circa 120m to the northwest. A railway line, running in a north: south direction is circa 240m to the west of the Site, immediately beyond which are the Colliery works, mine shafts and a row of miners' cottages.
1876 to 1881	1:2,500	No change from the above.
1900	1:2,500	Little change from the previous maps, although the area of woodland across the northern extremity of the Site and to the immediate northeast of the boundary has been cleared. The Site and immediately surrounding land to all four sides is agricultural. Energlyn Colliery is no longer marked, although the row of original miners' cottages remains.
1920	1:2,500	Very little change from the 1900 map. A row of terrace houses is shown circa 270m north northwest of the Site.
1936 to 1937	1:2,500	A small building is shown in the northeast part of the Site and a track is marked across the southwest corner of the facility. The surrounding agricultural fields have been sub-divided into smaller plots with isolated buildings in many of the plots. The A469 is marked to the east of the Site and the row of terrace houses circa 270m to the north northwest is marked as Wilkins Terrace.
1947	1:10,560	No change on site. However, a 'camp' is shown on land to the east of the facility, which is possibly a military barracks or housing, although this is not denoted.
1962	1:2,500	The track across the southwest corner of the Site is no longer shown. Industrial development has commenced to the east of the facility and

Date	Scale	Land Use
		is marked as 'Pontygwindy Estate'. Residential development has also expanded to the immediate east of the A469 'Pontygwindy Road'.
1972	1:2,500	A factory has been constructed on site and Sir Alfred Owen Road is shown to the north. The Pontygwindy Industrial Estate roads are shown constructed, along with numerous industrial buildings to the north, east, south and west of the facility. Residential development has expanded to the immediate west and southwest of the Industrial Estate, with the nearest domestic properties circa 145m west on Pantycelyn Drive, 150m west on Herbert Drive and 160m southwest on Lewis Drive.
1976 to 1977	1:2,500	A larger industrial building has been constructed on the Site. Little change to the surrounding area.
1988 to 1993	1:2,500	No change from the 1976 to 1977 map.
2003	1:2,500	The building on site is larger than the previous expansion in size shown on the 1976 to 1977 map, with the structure being the one in use to the present day. There has been little, if any change, in the surrounding industrial estate buildings and road layout.
2006	Google Earth	Little change from 2003 map.
2009	Google Earth	Little change from 2006 map.
2013	Google Earth	Little change from 2009 map.
2019	Google Earth	Little change from 2013 map.
2022	Google Earth	A covered connection between the Site and the adjacent industrial building to the east has been removed. The Site is as shown today. Little change to the surrounding industrial estate and adjoining land.

3.2.2 Historic records show that the Site has incorporated an industrial building since at least 1972, although the present structure dates from around 2003.

3.2.3 Development of the Pontygwindy Industrial Estate to the east of the facility had commenced by 1962, with the majority completed by 1972. Since at least 1976 to 1977, the Industrial Estate has closely resembled that which is evident today.

3.3 LANDFILL SITES

3.3.1 The Groundsure Report shows that there are no active or historical landfills within a 500m radius of the Site.

3.4 CONTAMINATED LAND

3.4.1 The Groundsure Report shows that there are no registered contaminated sites within a 500m radius of the Site that have designated under Part 2a of the Environmental Protection Act 1990.

3.5 CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH)

3.5.1 The Groundsure Report shows that there are no registered COMAH sites within a 500m radius of the Site.

3.6 CONTROL OF MAJOR ACCIDENT HAZARDS (COMAH)

3.6.1 The Groundsure Report shows that there are no registered COMAH sites within a 500m radius of the Site.

3.7 GAS PIPELINES

3.7.1 The Groundsure Report shows that there are no high-pressure underground gas transmission pipelines within a 500m radius of the Site.

3.8 ELECTRICITY CABLES

3.8.1 The Groundsure Report shows that there are no high voltage underground electricity transmission cables within a 500m radius of the Site.

3.9 SITE WALKOVER SURVEY

3.9.1 A site walkover survey was undertaken by Waste and Industry Compliance Limited on 6 March 2025. The Site building has a sealed impermeable concrete base, which is in an excellent condition. There are no drainage outlets in the building.

3.9.2 A drainage channel has been installed inside the building, alongside the internal western wall. It drains to a blind, concrete sump inside the building. Any inadvertent liquid spillages or wash down water collect in the sump from where they are pumped into an IBC for off-site removal to authorised facilities.

3.9.3 All waste deliveries are unloaded, stored and processed inside the building. All processing equipment such as the carbon absorption plant, the bagging plant, the baler, conveyor and metal storage skip are located inside.

3.9.4 The external yard comprises engineered surface throughout. A sealed and enclosed skip is located on the yard and used for the storage of packaging waste such as cardboard, plastic and paper that arises from customers that return spent fire extinguishers for decommissioning.

3.9.5 A CCTV drainage survey was undertaken by AR Drainage Solutions on 13 November 2024. The Site Drainage Plan is attached as Appendix 2.

3.9.6 During the walkover survey, the condition of the building, concrete base and external yard were good. There were no pathways for liquids or pollutants to enter uncontained land or groundwater.

3.9.7 There were no visible signs of likely ground contamination, oil or diesel contamination or ground staining by hydrocarbons. There was no evidence of vegetation stress in the vicinity

of the Site.

4 PERMITTED ACTIVITIES

- 4.1.1 The Site will receive up to 15,080 tonnes per annum of out of date and spent fire extinguishers and small quantities of associated packaging waste such as cardboard, plastic and paper. The majority of the fire extinguishers are non-hazardous, although a small proportion may contain hazardous quantities of foam. The receipt of hazardous waste will be significantly less than 10 tonnes per day and maximum storage capacity of hazardous waste will be significantly less than 50 tonnes at any one time.
- 4.1.2 Permitted activities are shown in Table 5 below.

Table 5: Permitted Activities

Storage / Treatment Process	Annex IIA / IIB operations
Recycling/reclamation of organic substances which are not used as solvents	Annex II, R3
Recycling/reclamation of metals and metal compounds	Annex II, R4
Recycling/reclamation of other inorganic materials	Annex II, R5
Storage of waste pending any of the operations numbered R3, R4 and R5	Annex II, R13
Storage pending any of the operations numbered D 1 to D 14 (excluding temporary storage, pending collection, on the site where the waste is produced)	Annex I, D15

- 4.1.3 The Site will safely empty and dismantle fire extinguishers, with metal and plastic components separated, bulked up transferred off-site to authorised recycling facilities.
- 4.1.4 Foam wastes will be treated in a carbon absorption plant, prior to transfer of the treated effluent into sealed IBCs for transfer off-site to authorised disposal facilities.
- 4.1.5 Non-hazardous powder wastes will be bulked up in 1 tonne bags for transfer off-site to an authorised recycling facility, where the material is processed into fertiliser.
- 4.1.6 Spent deionised water will be discharged to foul sewer in accordance with a Trade Effluent Discharge Consent issued by Welsh Water.
- 4.1.7 Strict waste pre-acceptance and acceptance procedures will be used to ensure that only compliant waste types are accepted at the Site, full details are included in the Environmental Management System (EMS) (ref Checkfire Ltd-EMS-RP03-Final).
- 4.1.8 Any loads arriving at the Site which contain non-permitted wastes or a significant amount of contrary material shall be rejected prior to unloading. In the unlikely event that a vehicle inadvertently deposits non-permitted waste or a large amount of contrary material, it will be re-loaded where possible. Where the vehicle has already left the Site, the non-permitted waste or contrary material will be stored in a quarantine skip or container at the Site, pending removal of the material to the waste producer or authorised facility.

5 CONCLUSIONS

- 5.1.1 A site walkover survey and visual inspection was undertaken on 6 March 2025.
- 5.1.2 The Site comprises a fully contained and roofed building with internal concrete base throughout. Wastes are off-loaded, stored and processed inside the building.
- 5.1.3 There is an external yard with a combination of engineered concrete and block surfacing. A dedicated loading and unloading area has been constructed, which comprises impermeable concrete pavement circa 5m x 4m in area, which is kerbed to 3 sides, with the unkerbed side enabling access and egress by the fork-lift truck to load and unload lorries.
- 5.1.4 A sealed and lidded skip is located on the yard and is used for the storage of packaging wastes associated with the return of out of date and spent fire extinguishers from customers for dismantling and recycling of metal, plastic and other recyclables.
- 5.1.5 Due to the use of impermeable surface and a sealed drainage system, there is no pathway for fire extinguisher liquids, powders or any contaminants to enter the ground water or migrate to uncontained ground.
- 5.1.6 There is no record of any pollution incidents at the Site and a review of historical information and background environmental data (including a Groundsure Report) did not demonstrate any evidence of contamination or environmental pollution at the Site.
- 5.1.7 The Groundsure Report states that there is no record of flooding at the Site since records commenced in 1946.

10B, SIR ALFRED OWEN WAY, PONTYGWINDY INDUSTRIAL ESTATE, CAERPHILLY, CAERPHILLY CBC, CF83 3HU

Order Details

Date: 07/03/2025
Your ref: Checkfire Limited
Our Ref: GS-88U-8G7-MBF-F3H

Site Details

Location: 315147 188494
Area: 0.17 ha
Authority: [Caerffili - Caerphilly County Borough Council](#) ↗



[Summary of findings](#)

[p. 2 > Aerial image](#)

[p. 9 >](#)

[OS MasterMap site plan](#)

[p.14 > Insight User Guide](#) ↗

Contact us with any questions at:

info@groundsure.com ↗

01273 257 755

Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
15 >	1.1 >	Historical industrial land uses >	3	1	5	63	-
18 >	1.2 >	Historical tanks >	0	0	28	10	-
20 >	1.3 >	Historical energy features >	0	1	6	3	-
21	1.4	Historical petrol stations	0	0	0	0	-
21 >	1.5 >	Historical garages >	1	1	4	0	-
21	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
22 >	2.1 >	Historical industrial land uses >	3	1	6	76	-
26 >	2.2 >	Historical tanks >	0	0	38	18	-
28 >	2.3 >	Historical energy features >	0	2	10	8	-
29	2.4	Historical petrol stations	0	0	0	0	-
29 >	2.5 >	Historical garages >	1	1	5	0	-
Page	Section	Waste and landfill >	On site	0-50m	50-250m	250-500m	500-2000m
30	3.1	Active or recent landfill	0	0	0	0	-
30	3.2	Historical landfill (BGS records)	0	0	0	0	-
31	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
31	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
31	3.5	Historical waste sites	0	0	0	0	-
31 >	3.6 >	Licensed waste sites >	0	0	0	8	-
33 >	3.7 >	Waste exemptions >	0	11	1	4	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
36 >	4.1 >	Recent industrial land uses >	0	8	42	-	-
40 >	4.2 >	Current or recent petrol stations >	0	0	0	2	-
40	4.3	Electricity cables	0	0	0	0	-
40	4.4	Gas pipelines	0	0	0	0	-
41	4.5	Sites determined as Contaminated Land	0	0	0	0	-



41	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
41	4.7	Regulated explosive sites	0	0	0	0	-
41	4.8	Hazardous substance storage/usage	0	0	0	0	-
41	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
42	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
42 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	1	2	2	-
43	4.12	Radioactive Substance Authorisations	0	0	0	0	-
43 >	4.13 >	<u>Licensed Discharges to controlled waters ></u>	0	0	0	4	-
44	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
44	4.15	Pollutant release to public sewer	0	0	0	0	-
44 >	4.16 >	<u>List 1 Dangerous Substances ></u>	0	0	1	0	-
45 >	4.17 >	<u>List 2 Dangerous Substances ></u>	0	2	1	1	-
45 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	2	3	5	-
46	4.19	Pollution inventory substances	0	0	0	0	-
47	4.20	Pollution inventory waste transfers	0	0	0	0	-
47	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
48 >	5.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
50 >	5.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
52 >	5.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
53	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
53	5.5	Groundwater vulnerability- local information	None (within 0m)				
54 >	5.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	4
56	5.7	Surface water abstractions	0	0	0	0	0
56	5.8	Potable abstractions	0	0	0	0	0
56	5.9	Source Protection Zones	0	0	0	0	-
56	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
57 >	6.1 >	<u>Water Network (OS MasterMap) ></u>	0	0	3	-	-

58 >	6.2 >	Surface water features >	0	0	2	-	-
58 >	6.3 >	WFD Surface water body catchments >	1	-	-	-	-
59 >	6.4 >	WFD Surface water bodies >	0	0	0	-	-
59 >	6.5 >	WFD Groundwater bodies >	1	-	-	-	-
Page	Section	River and coastal flooding >	On site	0-50m	50-250m	250-500m	500-2000m
60	7.1	Risk of flooding from rivers and the sea	None (within 50m)				
61	7.2	Historical Flood Events	0	0	0	-	-
61	7.3	Flood Defences	0	0	0	-	-
61 >	7.4 >	Areas Benefiting from Flood Defences >	0	0	1	-	-
61	7.5	Flood Storage Areas	0	0	0	-	-
62	7.6	Flood Zone 2	None (within 50m)				
62	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding >					
63 >	8.1 >	Surface water flooding >	1 in 30 year, 0.3m - 1.0m (within 50m)				
Page	Section	Groundwater flooding >					
65 >	9.1 >	Groundwater flooding >	Moderate (within 50m)				
Page	Section	Environmental designations >	On site	0-50m	50-250m	250-500m	500-2000m
66 >	10.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2
67	10.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0
67	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
67	10.4	Special Protection Areas (SPA)	0	0	0	0	0
67	10.5	National Nature Reserves (NNR)	0	0	0	0	0
68	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
68 >	10.7 >	Designated Ancient Woodland >	0	1	0	6	24
69	10.8	Biosphere Reserves	0	0	0	0	0
69	10.9	Forest Parks	0	0	0	0	0
70	10.10	Marine Conservation Zones	0	0	0	0	0
70	10.11	Green Belt	0	0	0	0	0
70	10.12	Proposed Ramsar sites	0	0	0	0	0



70	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
70	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
71	10.15	Nitrate Sensitive Areas	0	0	0	0	0
71	10.16	Nitrate Vulnerable Zones	0	0	0	0	0
72	10.17	SSSI Impact Risk Zones	0	-	-	-	-
72	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
73	11.1	World Heritage Sites	0	0	0	-	-
73	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
73	11.3	National Parks	0	0	0	-	-
73	11.4	Listed Buildings	0	0	0	-	-
74	11.5	Conservation Areas	0	0	0	-	-
74	11.6	Scheduled Ancient Monuments	0	0	0	-	-
74	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
75	12.1	Agricultural Land Classification	None (within 250m)				
75	12.2	Open Access Land	0	0	0	-	-
75	12.3	Tree Felling Licences	0	0	0	-	-
75	12.4	Environmental Stewardship Schemes	0	0	0	-	-
76	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
77	13.1	Priority Habitat Inventory	0	0	0	-	-
77	13.2	Habitat Networks	0	0	0	-	-
77	13.3	Open Mosaic Habitat	0	0	0	-	-
77	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
78 >	14.1 >	10k Availability >	Identified (within 500m)				
79	14.2	Artificial and made ground (10k)	0	0	0	0	-
80 >	14.3 >	Superficial geology (10k) >	1	2	4	2	-

81	14.4	Landslip (10k)	0	0	0	0	-
82 >	14.5 >	Bedrock geology (10k) >	1	0	2	7	-
83 >	14.6 >	Bedrock faults and other linear features (10k) >	0	0	3	5	-
Page	Section	Geology 1:50,000 scale >	On site	0-50m	50-250m	250-500m	500-2000m
84 >	15.1 >	50k Availability >	Identified (within 500m)				
85	15.2	Artificial and made ground (50k)	0	0	0	0	-
85	15.3	Artificial ground permeability (50k)	0	0	-	-	-
86 >	15.4 >	Superficial geology (50k) >	1	2	1	1	-
87 >	15.5 >	Superficial permeability (50k) >	Identified (within 50m)				
87	15.6	Landslip (50k)	0	0	0	0	-
87	15.7	Landslip permeability (50k)	None (within 50m)				
88 >	15.8 >	Bedrock geology (50k) >	1	0	2	2	-
89 >	15.9 >	Bedrock permeability (50k) >	Identified (within 50m)				
89 >	15.10 >	Bedrock faults and other linear features (50k) >	0	0	3	6	-
Page	Section	Boreholes >	On site	0-50m	50-250m	250-500m	500-2000m
91 >	16.1 >	BGS Boreholes >	0	0	3	-	-
Page	Section	Natural ground subsidence >					
93 >	17.1 >	Shrink swell clays >	Very low (within 50m)				
94 >	17.2 >	Running sands >	Low (within 50m)				
96 >	17.3 >	Compressible deposits >	Moderate (within 50m)				
98 >	17.4 >	Collapsible deposits >	Very low (within 50m)				
99 >	17.5 >	Landslides >	Very low (within 50m)				
100 >	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
102 >	18.1 >	BritPits >	0	0	0	2	-
103 >	18.2 >	Surface ground workings >	0	0	2	-	-
103 >	18.3 >	Underground workings >	0	0	1	7	10
104	18.4	Underground mining extents	0	0	0	0	-
105	18.5	Historical Mineral Planning Areas	0	0	0	0	-



105	18.6	Non-coal mining	0	0	0	0	0
105	18.7	JPB mining areas	None (within 0m)				
105	18.8	The Coal Authority non-coal mining	0	0	0	0	-
106	18.9	Researched mining	0	0	0	0	-
106	18.10	Mining record office plans	0	0	0	0	-
106	18.11	BGS mine plans	0	0	0	0	-
106 >	18.12 >	Coal mining >	Identified (within 0m)				
107	18.13	Brine areas	None (within 0m)				
107	18.14	Gypsum areas	None (within 0m)				
107	18.15	Tin mining	None (within 0m)				
107	18.16	Clay mining	None (within 0m)				
Page	Section	Ground cavities and sinkholes	On site	0-50m	50-250m	250-500m	500-2000m
108	19.1	Natural cavities	0	0	0	0	-
108	19.2	Mining cavities	0	0	0	0	0
108	19.3	Reported recent incidents	0	0	0	0	-
108	19.4	Historical incidents	0	0	0	0	-
Page	Section	Radon >					
110 >	20.1 >	Radon >	Less than 1% (within 0m)				
Page	Section	Soil chemistry >	On site	0-50m	50-250m	250-500m	500-2000m
112 >	21.1 >	BGS Estimated Background Soil Chemistry >	2	3	-	-	-
112	21.2	BGS Estimated Urban Soil Chemistry	0	0	-	-	-
112	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
113	22.1	Underground railways (London)	0	0	0	-	-
113	22.2	Underground railways (Non-London)	0	0	0	-	-
114	22.3	Railway tunnels	0	0	0	-	-
114 >	22.4 >	Historical railway and tunnel features >	0	0	5	-	-
114	22.5	Royal Mail tunnels	0	0	0	-	-
115	22.6	Historical railways	0	0	0	-	-

115 >	22.7 >	Railways >	0	0	3	-	-
115	22.8	Crossrail 2	0	0	0	0	-
115	22.9	HS2	0	0	0	0	-

Recent aerial photograph



Capture Date: 20/05/2023

Site Area: 0.17ha



Recent site history - 2020 aerial photograph



Capture Date: 14/04/2020

Site Area: 0.17ha



Recent site history - 2014 aerial photograph

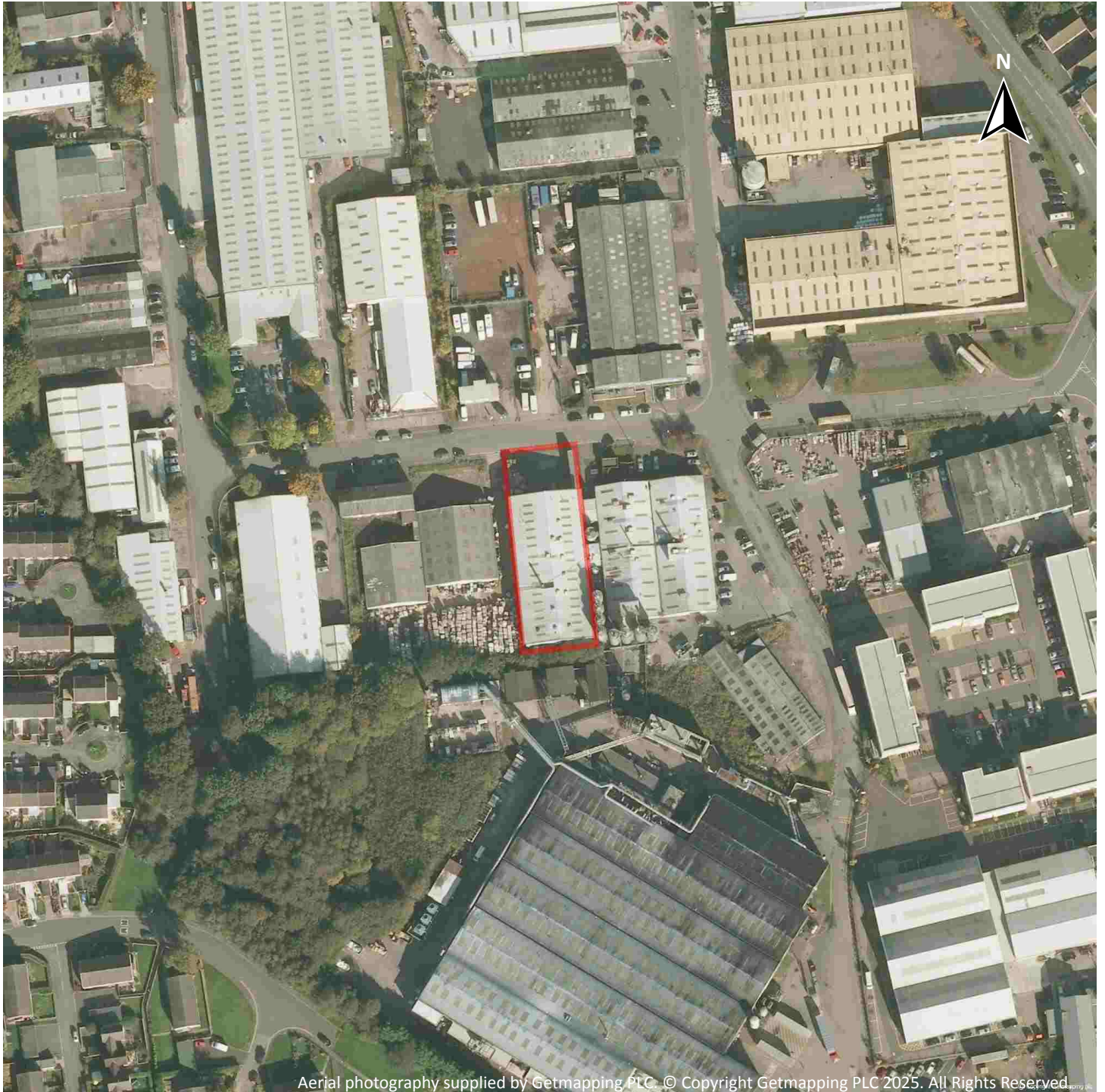


Capture Date: 23/07/2014

Site Area: 0.17ha



Recent site history - 2009 aerial photograph



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Capture Date: 12/10/2009

Site Area: 0.17ha



Recent site history - 2000 aerial photograph



Capture Date: 21/07/2000

Site Area: 0.17ha



OS MasterMap site plan

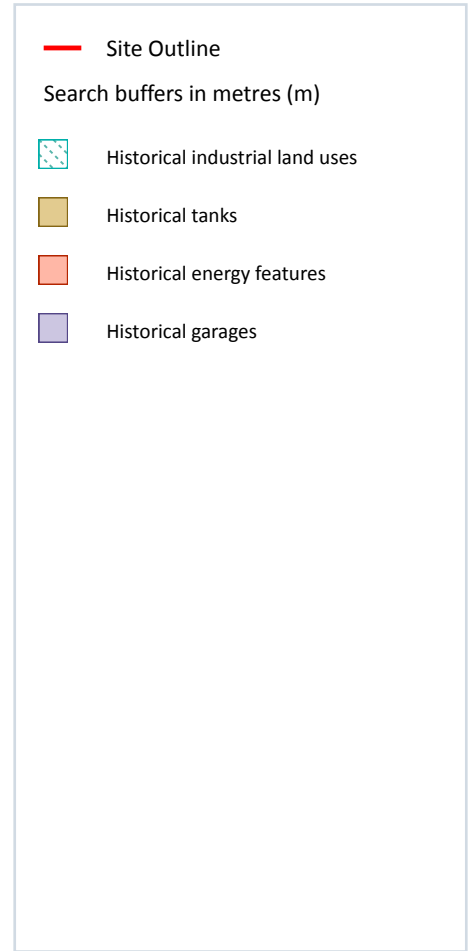
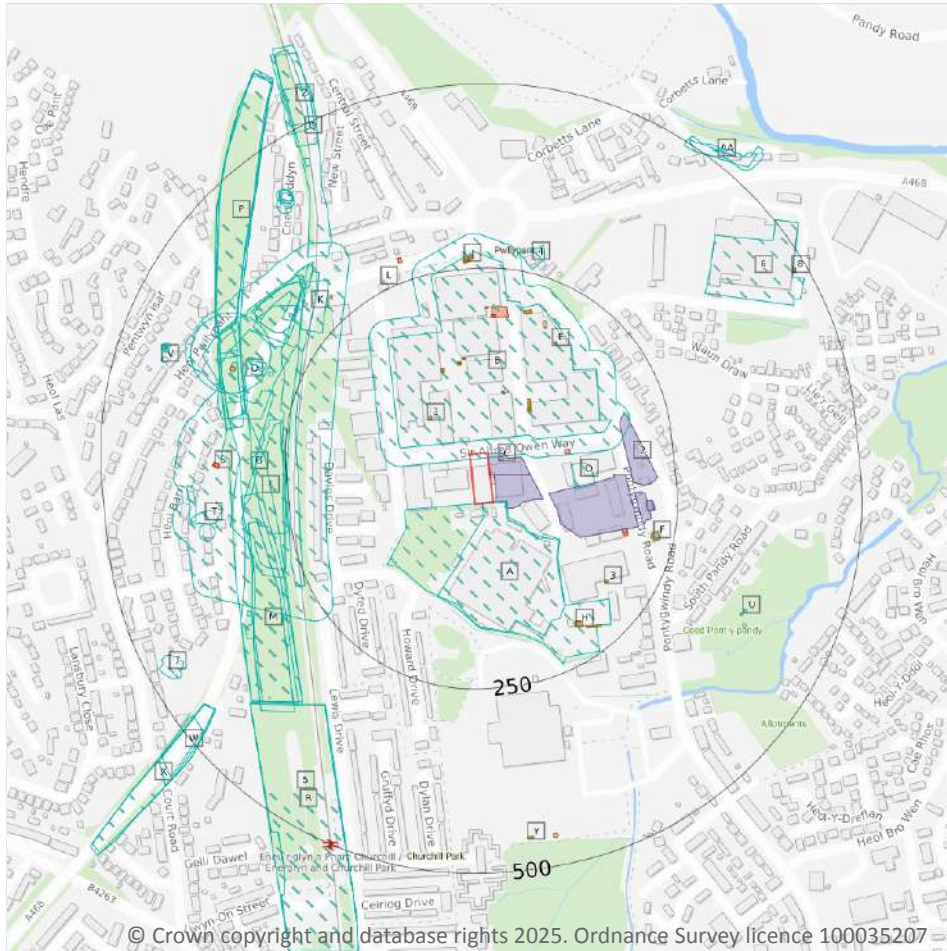


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Site Area: 0.17ha



1 Past land use



1.1 Historical industrial land uses

Records within 500m **72**

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
A	On site	Unspecified Commercial/Industrial	1992	1188397

ID	Location	Land use	Dates present	Group ID
A	On site	Unspecified Works	1978	1195679
B	On site	Industrial Estate	1978	1217137
B	18m N	Industrial Estate	1992	1248552
D	110m E	Unspecified Works	1969	1195678
G	188m W	Colliery	1875	1201753
F	221m E	Unspecified Tank	1978 - 1992	1287766
G	234m W	Railway Sidings	1875	1208939
G	246m W	Disused Colliery	1898 - 1901	1235217
I	253m W	Unspecified Heap	1875	1200342
I	253m W	Refuse Heap	1898 - 1901	1241293
4	255m N	Unspecified Yard	1947	1208830
K	259m NW	Cuttings	1916	1178289
M	268m W	Railway Sidings	1915	1273185
N	274m W	Railway Sidings	1922	1241033
O	278m NW	Cuttings	1992	1215890
M	280m W	Railway Sidings	1947 - 1948	1259742
O	287m NW	Unspecified Shaft	1875	1189481
5	288m SW	Railway Sidings	1947 - 1948	1294380
N	288m SW	Railway Sidings	1916	1236689
K	291m NW	Unspecified Heap	1916	1223218
O	297m NW	Unspecified Level	1875	1205531
K	299m NW	Unspecified Heap	1915	1223125
K	299m NW	Unspecified Heap	1922	1276740
K	300m NW	Refuse Heap	1898	1179403
O	301m NW	Unspecified Pit	1948	1190854
O	303m NW	Engine House	1875	1188673
P	308m W	Cuttings	1922	1252651
P	308m W	Cuttings	1915	1266456



ID	Location	Land use	Dates present	Group ID
O	310m W	Cuttings	1916	1264804
P	310m W	Cuttings	1947 - 1948	1244300
O	313m W	Cuttings	1948	1234858
K	314m NW	Unspecified Pit	1875	1190855
Q	331m NW	Railway Sidings	1947	1208924
N	336m SW	Railway Building	1915	1206339
O	337m NW	Chimney	1875	1205737
R	339m SW	Railway Sidings	1915	1223956
R	339m SW	Railway Sidings	1922	1236188
T	340m W	Unspecified Pit	1875	1190879
N	341m SW	Railway Building	1915	1206338
T	354m W	Old Coal Level	1898	1189364
P	364m NW	Cuttings	1948	1281020
P	364m NW	Cuttings	1916	1291469
6	365m NE	Unspecified Works	1978 - 1992	1211202
U	370m SE	Unspecified Tank	1922	1267420
U	370m SE	Unspecified Tank	1915	1277881
T	376m W	Old Coal Level	1901	1189363
U	376m SE	Unspecified Tank	1916	1203412
Q	408m NW	Unspecified Heap	1916	1200296
Q	413m NW	Unspecified Pit	1922	1293553
Q	418m NW	Unspecified Pit	1947	1250760
Q	418m NW	Unspecified Pit	1948	1244656
Q	421m NW	Unspecified Pit	1915	1277585
V	429m W	Old Air Shaft	1916	1193933
V	432m W	Unspecified Old Shaft	1948	1287973
V	432m NW	Old Air Shaft	1915	1210723
V	434m W	Old Air Shaft	1922	1244181



ID	Location	Land use	Dates present	Group ID
V	435m NW	Unspecified Old Shaft	1947	1213993
V	435m NW	Unspecified Old Shaft	1947	1239010
V	436m NW	Unspecified Old Shaft	1948	1268437
Q	447m NW	Railway Station	1875	1186533
W	448m SW	Cuttings	1915	1226754
W	448m SW	Cuttings	1948	1281546
X	448m SW	Cuttings	1922	1228748
7	449m SW	Unspecified Pit	1915 - 1922	1211576
X	449m SW	Cuttings	1947	1239479
Z	469m NW	Cuttings	1875	1222492
W	477m SW	Cuttings	1965 - 1968	1245882
Z	492m NW	Cuttings	1901	1279943
AA	494m NE	Unspecified Ground Workings	1901	1273340
AA	496m NE	Unspecified Ground Workings	1916 - 1922	1212097
Z	498m NW	Cuttings	1898	1282868

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

38

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
1	70m NW	Tanks	1977 - 1993	199591
B	77m NE	Unspecified Tank	1987	187240
B	78m NE	Unspecified Tank	1993	200207



ID	Location	Land use	Dates present	Group ID
B	81m NE	Unspecified Tank	1972	202321
B	81m N	Unspecified Tank	1993	182178
B	82m NE	Tanks	1977	177260
B	83m N	Unspecified Tank	1977	192763
B	84m N	Unspecified Tank	1987	194943
B	116m N	Unspecified Tank	1993	196520
B	117m N	Unspecified Tank	1972	186253
B	118m N	Unspecified Tank	1977 - 1987	199433
B	121m N	Unspecified Tank	1993	182177
B	123m N	Tanks	1972	177263
B	124m N	Unspecified Tank	1977	200109
B	124m N	Unspecified Tank	1987	194582
B	129m N	Tanks	1972	177262
B	129m N	Unspecified Tank	1977 - 1987	193317
E	173m NE	Unspecified Tank	1987	182184
E	173m NE	Unspecified Tank	1977	182174
E	186m NE	Unspecified Tank	1977 - 1987	199277
3	186m SE	Unspecified Tank	1977	182172
E	194m N	Unspecified Tank	1977 - 1993	191937
E	195m N	Unspecified Tank	1972	193955
E	195m N	Unspecified Tank	1972	179637
H	196m SE	Tanks	1977 - 1998	195642
H	198m SE	Tanks	1972	192175
H	211m SE	Tanks	1977	177261
F	219m E	Unspecified Tank	1972	182183
J	258m N	Tanks	1993	192594
J	260m N	Tanks	1977	200053
J	260m N	Tanks	1987	188013



ID	Location	Land use	Dates present	Group ID
L	260m NW	Unspecified Tank	1977	182173
K	281m NW	Unspecified Tank	1976	182171
O	338m NW	Unspecified Tank	1900	182179
U	367m SE	Unspecified Tank	1920	179639
Y	456m S	Unspecified Tank	1977 - 1989	196285
Y	456m S	Unspecified Tank	1977 - 1989	195392
8	481m NE	Unspecified Tank	1977 - 1996	186168

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m	10
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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
C	14m NE	Electricity Substation	1977 - 1987	119356
D	104m E	Electricity Substation	1972 - 1987	116957
F	179m E	Electricity Substation	1977 - 1989	120354
F	179m E	Electricity Substation	1998	113045
E	183m N	Electricity Substation	1977	116335
E	183m N	Electricity Substation	1972	119304
E	183m N	Electricity Substation	1987	122485
L	276m N	Electricity Substation	1972 - 1977	121957
S	339m W	Electricity Substation	1972 - 1976	124283
S	340m W	Electricity Substation	1982 - 1993	114626

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

6

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

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

ID	Location	Land use	Dates present	Group ID
C	On site	Garage	1977	37617
C	4m SE	Garage	1977	37050
D	76m E	Garage	1977	35546
2	183m E	Garage	1972	35580
F	193m E	Garage	1977 - 1989	40853
F	208m E	Garage	1977	37439

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

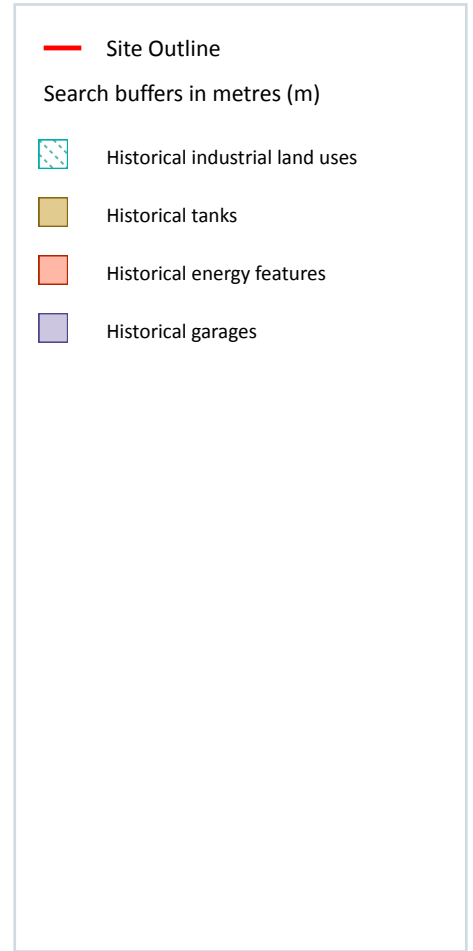
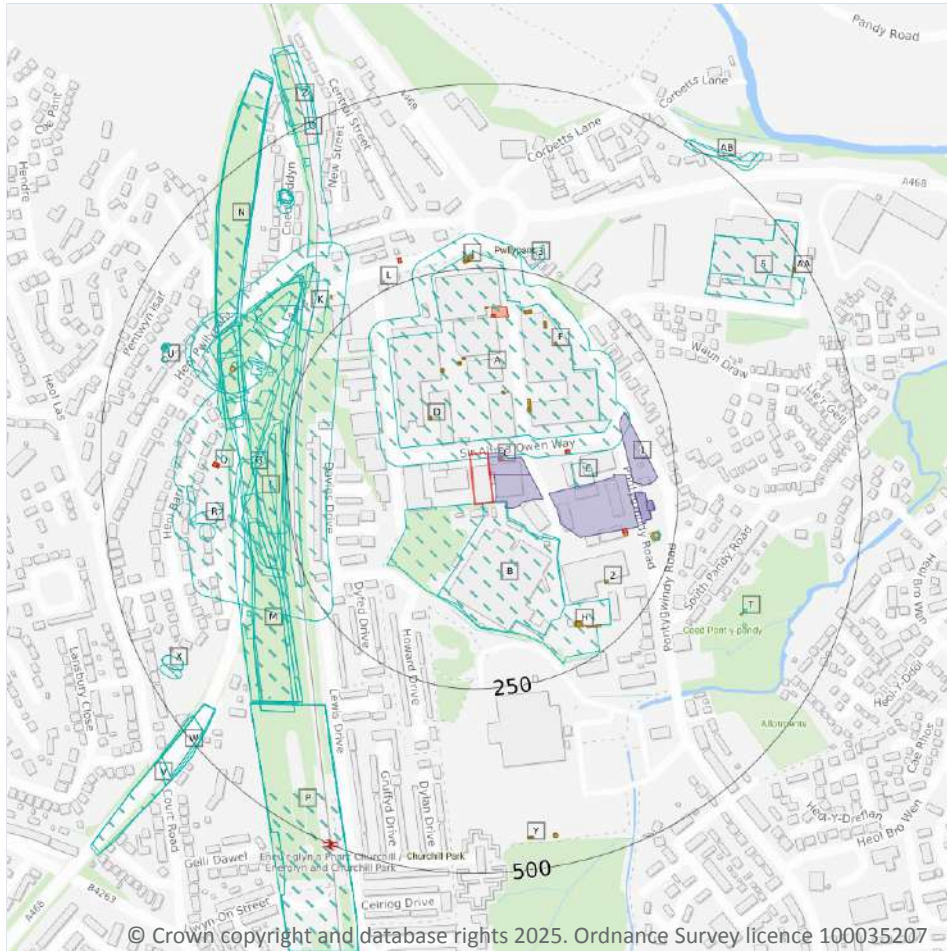
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



2.1 Historical industrial land uses

Records within 500m	86
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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 22 >](#)

ID	Location	Land Use	Date	Group ID
A	On site	Industrial Estate	1978	1217137
B	On site	Unspecified Commercial/Industrial	1992	1188397
B	On site	Unspecified Works	1978	1195679

ID	Location	Land Use	Date	Group ID
A	18m N	Industrial Estate	1992	1248552
E	110m E	Unspecified Works	1969	1195678
G	188m W	Colliery	1875	1201753
E	221m E	Unspecified Tank	1978	1287766
E	222m E	Unspecified Tank	1992	1287766
G	234m W	Railway Sidings	1875	1208939
G	246m W	Disused Colliery	1898	1235217
G	250m W	Disused Colliery	1901	1235217
I	253m W	Unspecified Heap	1875	1200342
I	253m W	Refuse Heap	1898	1241293
3	255m N	Unspecified Yard	1947	1208830
K	259m NW	Cuttings	1916	1178289
I	263m W	Refuse Heap	1901	1241293
M	268m W	Railway Sidings	1915	1273185
M	274m W	Railway Sidings	1922	1241033
G	278m NW	Cuttings	1992	1215890
M	280m W	Railway Sidings	1947	1259742
M	280m W	Railway Sidings	1948	1259742
G	287m NW	Unspecified Shaft	1875	1189481
M	288m SW	Railway Sidings	1916	1236689
M	288m SW	Railway Sidings	1948	1294380
K	291m NW	Unspecified Heap	1916	1223218
G	297m NW	Unspecified Level	1875	1205531
K	299m NW	Unspecified Heap	1915	1223125
K	299m NW	Unspecified Heap	1922	1276740
K	300m NW	Refuse Heap	1898	1179403
G	301m NW	Unspecified Pit	1948	1190854
G	303m NW	Engine House	1875	1188673



ID	Location	Land Use	Date	Group ID
N	308m W	Cuttings	1915	1266456
N	308m W	Cuttings	1922	1252651
G	310m W	Cuttings	1916	1264804
G	310m W	Cuttings	1948	1244300
G	313m W	Cuttings	1948	1234858
K	314m NW	Unspecified Pit	1875	1190855
N	315m W	Cuttings	1947	1244300
O	331m NW	Railway Sidings	1947	1208924
M	336m SW	Railway Building	1915	1206339
G	337m NW	Chimney	1875	1205737
P	339m SW	Railway Sidings	1922	1236188
P	339m SW	Railway Sidings	1948	1294380
P	339m SW	Railway Sidings	1915	1223956
P	339m SW	Railway Sidings	1947	1294380
R	340m W	Unspecified Pit	1875	1190879
M	341m SW	Railway Building	1915	1206338
R	354m W	Old Coal Level	1898	1189364
N	364m NW	Cuttings	1916	1291469
N	364m NW	Cuttings	1948	1281020
S	365m NE	Unspecified Works	1978	1211202
N	369m NW	Cuttings	1948	1281020
T	370m SE	Unspecified Tank	1915	1277881
T	370m SE	Unspecified Tank	1922	1267420
R	376m W	Old Coal Level	1901	1189363
T	376m SE	Unspecified Tank	1916	1203412
S	387m NE	Unspecified Works	1992	1211202
O	408m NW	Unspecified Heap	1916	1200296
O	413m NW	Unspecified Pit	1922	1293553



ID	Location	Land Use	Date	Group ID
O	418m NW	Unspecified Pit	1947	1250760
O	418m NW	Unspecified Pit	1947	1250760
O	418m NW	Unspecified Pit	1948	1244656
O	421m NW	Unspecified Pit	1915	1277585
O	421m NW	Unspecified Pit	1948	1244656
U	429m W	Old Air Shaft	1916	1193933
U	432m W	Unspecified Old Shaft	1948	1287973
U	432m NW	Old Air Shaft	1915	1210723
U	434m W	Old Air Shaft	1922	1244181
U	435m NW	Unspecified Old Shaft	1947	1213993
U	435m NW	Unspecified Old Shaft	1947	1239010
U	436m NW	Unspecified Old Shaft	1948	1268437
O	447m NW	Railway Station	1875	1186533
V	448m SW	Cuttings	1922	1228748
W	448m SW	Cuttings	1948	1281546
W	448m SW	Cuttings	1915	1226754
X	449m SW	Unspecified Pit	1915	1211576
X	449m SW	Unspecified Pit	1922	1211576
V	449m SW	Cuttings	1947	1239479
X	459m SW	Unspecified Pit	1916	1211576
Z	469m NW	Cuttings	1875	1222492
W	477m SW	Cuttings	1965	1245882
W	477m SW	Cuttings	1968	1245882
Z	492m NW	Cuttings	1901	1279943
AB	494m NE	Unspecified Ground Workings	1901	1273340
AB	496m NE	Unspecified Ground Workings	1916	1212097
Z	498m NW	Cuttings	1898	1282868

This data is sourced from Ordnance Survey / Groundsure.



2.2 Historical tanks

Records within 500m	56
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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 22 >](#)

ID	Location	Land Use	Date	Group ID
D	70m NW	Tanks	1993	199591
D	70m NW	Tanks	1977	199591
D	71m NW	Tanks	1987	199591
A	77m NE	Unspecified Tank	1987	187240
A	78m NE	Unspecified Tank	1993	200207
A	81m NE	Unspecified Tank	1972	202321
A	81m N	Unspecified Tank	1993	182178
A	82m NE	Tanks	1977	177260
A	83m N	Unspecified Tank	1977	192763
A	84m N	Unspecified Tank	1987	194943
A	116m N	Unspecified Tank	1993	196520
A	117m N	Unspecified Tank	1972	186253
A	118m N	Unspecified Tank	1977	199433
A	119m N	Unspecified Tank	1987	199433
A	121m N	Unspecified Tank	1993	182177
A	123m N	Tanks	1972	177263
A	124m N	Unspecified Tank	1977	200109
A	124m N	Unspecified Tank	1987	194582
A	129m N	Tanks	1972	177262
A	129m N	Unspecified Tank	1977	193317
A	129m N	Unspecified Tank	1987	193317
F	173m NE	Unspecified Tank	1987	182184
F	173m NE	Unspecified Tank	1977	182174



ID	Location	Land Use	Date	Group ID
F	186m NE	Unspecified Tank	1977	199277
2	186m SE	Unspecified Tank	1977	182172
F	186m NE	Unspecified Tank	1987	199277
F	194m N	Unspecified Tank	1993	191937
F	195m N	Unspecified Tank	1972	193955
F	195m N	Unspecified Tank	1987	191937
F	195m N	Unspecified Tank	1977	191937
F	195m N	Unspecified Tank	1972	179637
H	196m SE	Tanks	1998	195642
H	196m SE	Tanks	1989	195642
H	196m SE	Tanks	1977	195642
H	197m SE	Tanks	1977	195642
H	198m SE	Tanks	1972	192175
H	211m SE	Tanks	1977	177261
E	219m E	Unspecified Tank	1972	182183
J	258m N	Tanks	1993	192594
J	260m N	Tanks	1977	200053
J	260m N	Tanks	1987	188013
L	260m NW	Unspecified Tank	1977	182173
K	281m NW	Unspecified Tank	1976	182171
G	338m NW	Unspecified Tank	1900	182179
T	367m SE	Unspecified Tank	1920	179639
Y	456m S	Unspecified Tank	1989	196285
Y	456m S	Unspecified Tank	1977	196285
Y	456m S	Unspecified Tank	1989	195392
Y	456m S	Unspecified Tank	1977	195392
Y	456m S	Unspecified Tank	1977	196285
Y	456m S	Unspecified Tank	1977	195392



ID	Location	Land Use	Date	Group ID
AA	481m NE	Unspecified Tank	1977	186168
AA	481m NE	Unspecified Tank	1993	186168
AA	481m NE	Unspecified Tank	1994	186168
AA	481m NE	Unspecified Tank	1996	186168
AA	482m NE	Unspecified Tank	1992	186168

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

20

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 22 >](#)

ID	Location	Land Use	Date	Group ID
C	14m NE	Electricity Substation	1987	119356
C	15m NE	Electricity Substation	1977	119356
E	104m E	Electricity Substation	1987	116957
E	106m E	Electricity Substation	1972	116957
E	106m E	Electricity Substation	1977	116957
E	179m E	Electricity Substation	1989	120354
E	179m E	Electricity Substation	1977	120354
E	179m E	Electricity Substation	1998	113045
E	181m E	Electricity Substation	1977	120354
F	183m N	Electricity Substation	1977	116335
F	183m N	Electricity Substation	1972	119304
F	183m N	Electricity Substation	1987	122485
L	276m N	Electricity Substation	1977	121957
L	277m N	Electricity Substation	1972	121957
Q	339m W	Electricity Substation	1972	124283



ID	Location	Land Use	Date	Group ID
Q	340m W	Electricity Substation	1993	114626
Q	341m W	Electricity Substation	1976	124283
Q	342m W	Electricity Substation	1982	114626
Q	342m W	Electricity Substation	1982	114626
Q	342m W	Electricity Substation	1988	114626

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m	0
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Petrol stations digitised from historical Ordnance Survey mapping at high-detail 1:1,250 and 1:2,500 scale. 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	7
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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'.

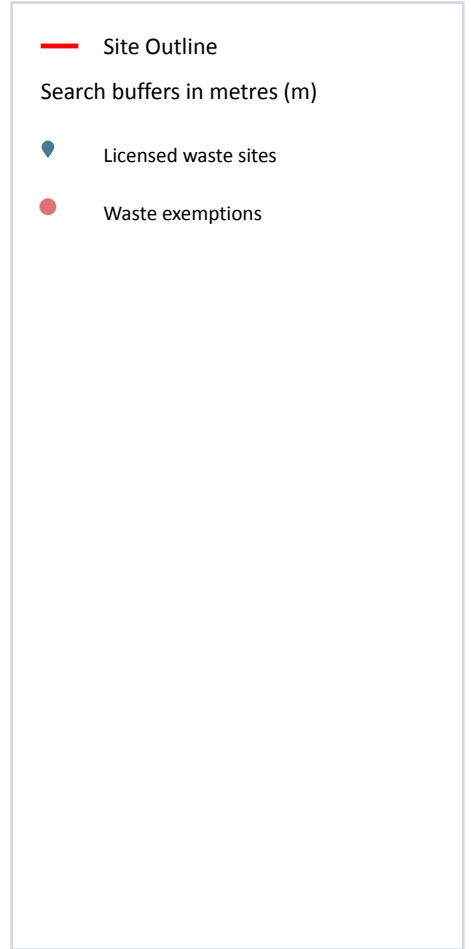
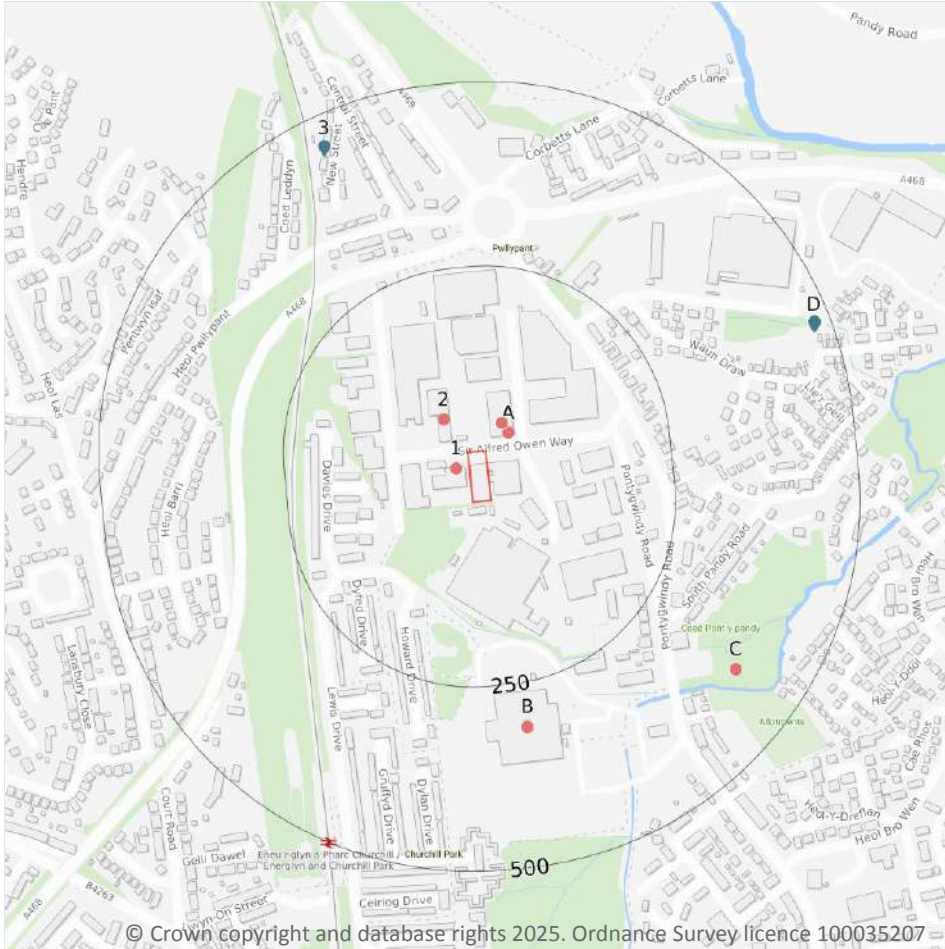
Features are displayed on the Past land use - un-grouped map on [page 22 >](#)

ID	Location	Land Use	Date	Group ID
C	On site	Garage	1977	37617
C	4m SE	Garage	1977	37050
E	76m E	Garage	1977	35546
1	183m E	Garage	1972	35580
E	193m E	Garage	1989	40853
E	193m E	Garage	1977	40853
E	208m E	Garage	1977	37439

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



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

8

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

Features are displayed on the Waste and landfill map on [page 30 >](#)

ID	Location	Details		
3	456m NW	Site Name: Tiryberth Civic Amenity Site Site Address: New Road, Ystrad Mynach, Hengoed, Caerphilly, CF82 7DP Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: ECO007 EPR reference: HP3699FK/S002 Operator: Ecovert Ltd Waste Management licence No: 30013 Annual Tonnage: 11185	Issue Date: 07/03/1986 Effective Date: 01/05/2003 Modified: - Surrendered Date: 2.00503e+016 Expiry Date: 0 Cancelled Date: 0 Status: Surrendered

ID	Location	Details		
D	476m NE	Site Name: - Site Address: Pacific Plant Ltd, Caerphilly, Mid Glamorgan, CF83 3HT Correspondence Address: -	Type of Site: Use of waste in construction 50,000 tps Size: - Environmental Permitting Regulations (Waste) Licence Number: VP3996EY EPR reference: - Operator: Pacific Plant Ltd Waste Management licence No: - Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: 10/06/2011 Modified: - Surrendered Date: 13/06/2014 Expiry Date: - Cancelled Date: - Status: Surrender
D	476m NE	Site Name: Pacific Plant Ltd Site Address: Land At Pontygwindy Road, Pontygwindy Road, Caerphilly, Mid Glamorgan, CF83 3HT Correspondence Address: -	Type of Site: Use of waste in construction 50,000 tps Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: PAC015 EPR reference: EA/EPR/VP3996EY/S002 Operator: Pacific Plant Ltd Waste Management licence No: 102611 Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: - Modified: - Surrendered Date: 13/06/2014 Expiry Date: - Cancelled Date: - Status: Surrendered
D	476m NE	Site Name: - Site Address: Pacific Plant Ltd, Caerphilly, Mid Glamorgan, CF83 3HT Correspondence Address: -	Type of Site: Use of waste in construction 50,000 tps Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: VP3996EY EPR reference: - Operator: - Waste Management licence No: 102611 Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: 10/06/2011 Modified: - Surrendered Date: 13/06/2014 Expiry Date: - Cancelled Date: - Status: Surrender
D	476m NE	Site Name: - Site Address: Pacific Plant Ltd, Caerphilly, Mid Glamorgan, CF83 3HT Correspondence Address: -	Type of Site: Use of waste in construction 50,000 tps Size: - Environmental Permitting Regulations (Waste) Licence Number: VP3996EY EPR reference: - Operator: Pacific Plant Ltd Waste Management licence No: - Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: 10/06/2011 Modified: - Surrendered Date: 13/06/2014 Expiry Date: - Cancelled Date: - Status: Surrender



ID	Location	Details		
D	476m NE	Site Name: - Site Address: Pacific Plant Ltd, Caerphilly, Caerphilly, CF83 3HT Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: VP3996EY EPR reference: - Operator: Pacific Plant Ltd Waste Management licence No: 0 Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: 10/06/2011 Modified: - Surrendered Date: 13/06/2014 Expiry Date: - Cancelled Date: - Status: Surrendered
D	476m NE	Site Name: - Site Address: Pacific Plant Ltd, Mid Glamorgan, Caerphilly, Caerphilly, CF83 3HT Correspondence Address: -	Type of Site: - Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: VP3996EY EPR reference: - Operator: Pacific Plant Ltd Waste Management licence No: 102611 Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: 10/06/2011 Modified: - Surrendered Date: 13/06/2014 Expiry Date: - Cancelled Date: - Status: Surrender
D	477m NE	Site Name: Pacific Plant Ltd Site Address: Land At Pontygwindy Road, Pontygwindy Road, Caerphilly, Mid Glamorgan, CF83 3HT Correspondence Address: -	Type of Site: Use of waste in construction 50,000 tps Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: PAC015 EPR reference: VP3996EY/S002 Operator: Pacific Plant Ltd Waste Management licence No: 102611 Annual Tonnage: 0	Issue Date: 10/06/2011 Effective Date: - Modified: - Surrendered Date: 2.01406e+016 Expiry Date: 0 Cancelled Date: 0 Status: Surrendered

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

3.7 Waste exemptions

Records within 500m

16

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 30 >](#)



ID	Location	Site	Reference	Category	Sub-Category	Description
1	19m W	Ecosmart (Wales) Ltd, Ecosmart (Wales) Ltd, Unit B, Douglas House, 11 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW- WME098651	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	38m NE	Edwards Diving Services, Edwards Diving Services, Unit A-B, Dragon House, 17 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerffili, Cf833hu	NRW- WME026717	Using waste exemption	Not on a farm	Use of waste in construction
A	38m NE	Unit B, Douglas House, Caerphilly, Caerffili, Cf83 3hu	NRW- WME001526	Treating waste exemption	Waste exemption - non-agricultural	Preparatory treatments (baling, sorting, shredding etc)
A	43m N	Checkfire Ltd, Checkfire Ltd, Pontywindy Ind Estate, Caerphilly, Caerphilly, Cf833hu	NRW- WME045224	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW- WME062073	Storing waste exemption	Not on a farm	Storage of waste in secure containers
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW- WME062073	Treating waste exemption	Not on a farm	Cleaning, washing, spraying or coating relevant waste
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW- WME062073	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW- WME062073	Treating waste exemption	Not on a farm	Recovery of textiles

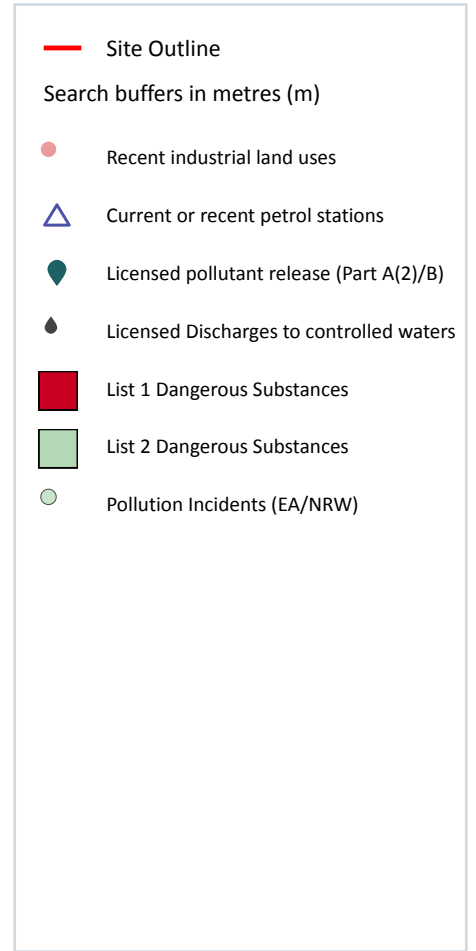
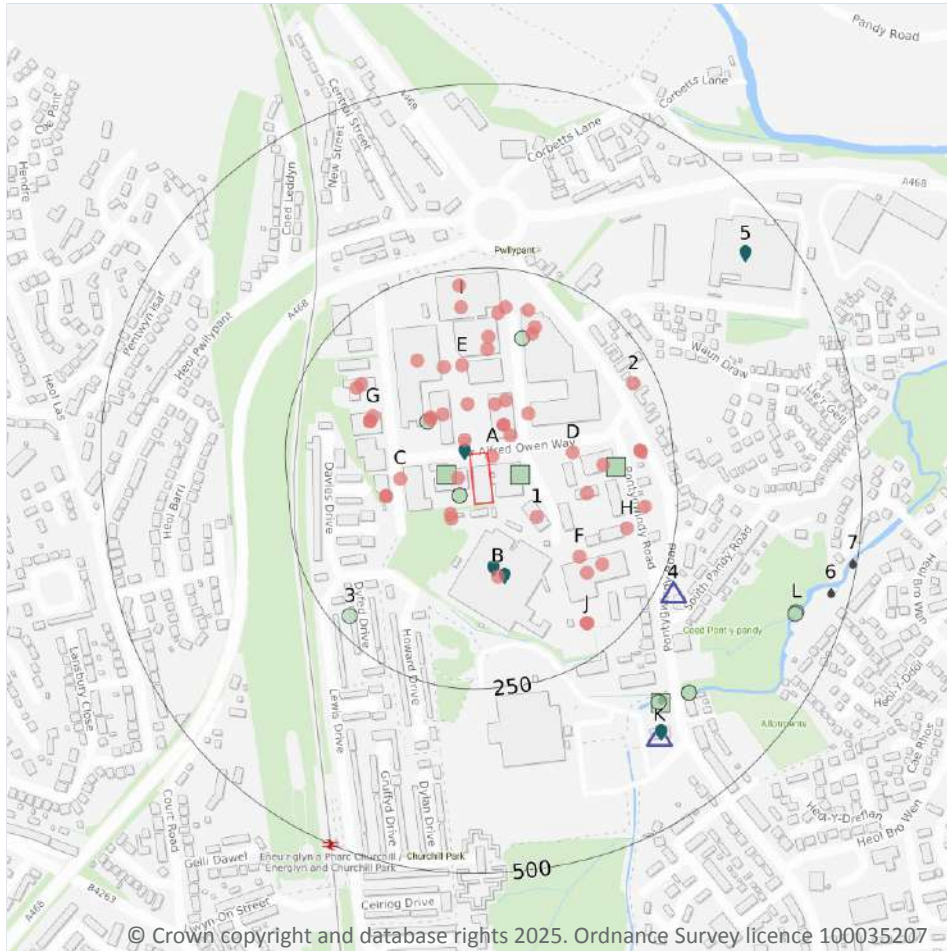


ID	Location	Site	Reference	Category	Sub-Category	Description
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW-WME062073	Storing waste exemption	Not on a farm	Storage of waste in a secure place
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW-WME062073	Treating waste exemption	Not on a farm	Recovery of scrap metal
A	43m N	Universal Resource Trading Ltd, Unit 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerphilly, Cf83 3hu	NRW-WME062073	Treating waste exemption	Not on a farm	Sorting mixed waste
2	55m NW	Zen Knotweed Ltd, Global Windows 2012 Ltd, 24 Sir Alfred Owen Way, Pontywindy Industrial Estate, Caerphilly, Caerffili, Cf83 3hu	NRW-WME050420	Disposing of waste exemption	On a farm	Burning waste in the open
B	311m S	Asda Stores Limited, Asda Caerphilly, Pontywindy Road, Caerphilly, Cf83 3sx	NRW-WME058487	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	312m S	Asda Stores Ltd, Pontywindy Road, Caerphilly, Caerffili, Cf83 3sx	NRW-WME003711	Treating waste exemption	Waste exemption - non-agricultural	Crushing waste fluorescent tubes
C	402m SE	Cyfoeth Naturiol Cymru / Natural Resources Wales, (Rear Of) Pontywindy Inn, 222 Pontywindy Road, Caerphilly, Caerffili, Cf83 3hr	NRW-WME068937	Disposing of waste exemption	Not on a farm	Deposit of waste from dredging of inland waters
C	402m SE	Cyfoeth Naturiol Cymru / Natural Resources Wales, (Rear Of) Pontywindy Inn, 222 Pontywindy Road, Caerphilly, Caerffili, Cf83 3hr	NRW-WME068937	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

50

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 36](#) >

ID	Location	Company	Address	Activity	Category
A	6m NE	Electricity Sub Station	Gwent, CF83	Electrical Features	Infrastructure and Facilities
A	18m W	Total Cooling Services Ltd	Unit B Douglas House 11, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Construction Completion Services	Construction Services

ID	Location	Company	Address	Activity	Category
A	21m NW	Pronto Hire Ltd	Pronto House 25, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Vehicle Hire and Rental	Hire Services
A	35m SW	Pylon	Gwent, CF83	Electrical Features	Infrastructure and Facilities
A	37m SW	Chimney	Gwent, CF83	Chimneys	Industrial Features
A	38m NE	B C R Cash Registers	Unit H 26, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Office and Shop Equipment	Industrial Products
A	43m NE	Don Elsbury Access Platforms	26, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Construction and Tool Hire	Hire Services
A	43m NE	T P S 360	26, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Construction Completion Services	Construction Services
1	62m SE	Cheaper Cars	9, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Secondhand Vehicles	Motoring
A	65m NW	Global Tint	Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Industrial Coatings and Finishings	Industrial Products
A	66m N	Building Management Solutions	Unit C-Elsbury 26, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Electronic Equipment	Industrial Products
A	68m N	Pontygwindy Industrial Estate	Gwent, CF83	Business Parks and Industrial Estates	Industrial Features
A	72m NW	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
A	73m NW	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
A	75m N	Total Protective Solutions 360	Unit E1-E2 26, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Industrial Coatings and Finishings	Industrial Products
A	76m NE	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
C	97m W	Electricity Sub Station	Gwent, CF83	Electrical Features	Infrastructure and Facilities
B	100m S	Glatfelter	8, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Wood Products Including Charcoal, Paper, Card and Board	Industrial Products



ID	Location	Company	Address	Activity	Category
D	115m E	Electricity Sub Station	Gwent, CF83	Electrical Features	Infrastructure and Facilities
C	118m W	Fire Seals Direct	13, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Special Purpose Machinery and Equipment	Industrial Products
C	118m W	Checkfire	13, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Special Purpose Machinery and Equipment	Industrial Products
E	121m N	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
E	123m N	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
D	128m E	Residential Sprinkler Protection Ltd	5-6 De Clare Court 5, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Special Purpose Machinery and Equipment	Industrial Products
F	138m SE	Electricity Sub Station	Gwent, CF83	Electrical Features	Infrastructure and Facilities
E	140m N	Trike Design	31, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Vehicle Components	Industrial Products
G	141m NW	D C G Printwear	Unit 16 Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Clothing, Components and Accessories	Consumer Products
G	143m NW	etyres	16, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Vehicle Parts and Accessories	Motoring
G	143m NW	A & S Motor Repairs	16, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	146m NW	J R Industries	Whiting House 23, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Vehicle Parts and Accessories	Motoring
D	154m E	Etb	6, Pontygwindy Industrial Estate, Alfred Owen Way, Town Centre, Caerphilly, Gwent, CF83 3HU	Vehicle Repair, Testing and Servicing	Repair and Servicing
E	156m N	U P V C Trade Centre	32, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Glass Fibre Services	Industrial Products
F	159m SE	A T L Telecom Ltd	Unit D De Clare House 4, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Radar and Telecommunications Equipment	Industrial Products



ID	Location	Company	Address	Activity	Category
F	170m SE	Protectorc mms Ltd	Unit C2-C3 De Clare House 4, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Electronic Equipment	Industrial Products
E	171m N	Factory	Gwent, CF83	Unspecified Works Or Factories	Industrial Features
G	174m NW	Remar Safety Services Ltd	Unit 17 Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Hobby, Sports and Pastime Products	Consumer Products
G	178m NW	Edwards Diving Services	17 Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Civil Engineers	Engineering Services
E	182m N	Castle Dairies	36, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Dairy Farming	Farming
H	184m E	Electricity Sub Station	Gwent, CF83	Electrical Features	Infrastructure and Facilities
E	190m N	Electricity Sub Station	Gwent, CF83	Electrical Features	Infrastructure and Facilities
E	198m N	Masts (Telecommu nication)	Gwent, CF83	Telecommunications Features	Infrastructure and Facilities
I	199m N	C P S Wales Ltd	34, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Published Goods	Industrial Products
E	201m N	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
H	205m E	Coopers Car Sales	Unit A 169, Pontygwindy Road, Caerphilly, Gwent, CF83 3HQ	Secondhand Vehicles	Motoring
D	206m E	IMO - arc Clean Car Centres	Pontygwindy Road, Caerphilly, Gwent, CF83 3AA	Vehicle Cleaning Services	Personal, Consumer and Other Services
D	206m E	IMO - arc Clean Car Centres	Pontygwindy Industrial Estate, Town Centre, Caerphilly, Gwent, CF83 3HU	Vehicle Cleaning Services	Personal, Consumer and Other Services
J	207m SE	Tank	Gwent, CF83	Tanks (Generic)	Industrial Features
J	207m SE	Tanks	Gwent, CF83	Tanks (Generic)	Industrial Features
2	218m NE	James Executive Travel	Perry Rise 252, Pontygwindy Road, Caerphilly, Gwent, CF83 3HY	Vehicle Hire and Rental	Hire Services



ID	Location	Company	Address	Activity	Category
I	229m N	Caerphilly M O T Centre	21, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Gwent, CF83 3HU	Vehicle Repair, Testing and Servicing	Repair and Servicing

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

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

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Company	Address	LPG	Status
4	273m SE	MURCO	224, Pontygwindy Road, Pwllypant, Caerphilly, Caerphilly, CF83 3HY	Not Applicable	Obsolete
K	387m SE	ASDA	Pontygwindy Road, Pwllypant, Caerphilly, Caerphilly, CF83 3SX	No	Open

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

5

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

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Address	Details	
A	8m NW	Magna (UK) Ltd, T/a Furnitek, Pontygwindy Industrial Estate, Sir Alfred Owen Way, Caerphilly, CF83 2WH	Process: Timber Manufacture Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	89m S	Metallised Products (H & Leigh), Pontygwindy Industrial Estate, Pontygwindy Road, Caerphilly, CF83 2WH	Process: Printing Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
B	100m S	Glatfelter Ltd, 8 Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, Mid Glamorgan, CF83 3HU	Process: Coating Processes Status: Current Permit Permit Type: Part A2	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified
K	386m SE	ASDA Stores Ltd, Pontygwindy Road, Caerphilly, CF83 3SX	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

ID	Location	Address	Details	
5	441m NE	Catnic Ltd, Pontypandy Site, Caerphilly, Mid Glamorgan, CF83 1UF	Process: Coating Processes Status: Current Permit Permit Type: Part B	Enforcement: No Enforcements Notified Date of enforcement: No Enforcements Notified Comment: No Enforcements Notified

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m	0
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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	4
----------------------------	----------

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 36 >](#)

ID	Location	Address	Details	
K	350m SE	GLATFELTERCAERPHILLYLTD,PONTY GWINDYINDUSTRIALESTATE,CAERP HILLY,WALES,CF833HU	Effluent Type: TRADE DISCHARGES - COOLING WATER Permit Number: AN0380401 Permit Version: 1 Receiving Water: NANT YR ABER	Status: SURRENDERED UNDER EPR 2010 Issue date: 07/04/2005 Effective Date: 07/04/2005 Revocation Date: 13/06/2011
K	350m SE	GLADFELTERCAERPHILLYLIMITED,G LADFELTERCAERPHILLYLIMIREDD,PO NTYGWINDYINDUSTRIALESTATEC,C AERPHILLY,CF833HU	Effluent Type: TRADE DISCHARGES - UNSPECIFIED Permit Number: AN0263601 Permit Version: 1 Receiving Water: NANT YR ABER	Status: SURRENDERED UNDER EPR 2010 Issue date: 13/08/1997 Effective Date: 13/08/1997 Revocation Date: 13/06/2011
6	473m E	CAERPHILLYPONTYPANDYNANTYR ABER,CAERPHILLYPONTYPANDYNA NTYRAB,PONTYPANDYNANTYRABE R,NANTYRABER	Effluent Type: UNSPECIFIED Permit Number: AN0082901 Permit Version: 1 Receiving Water: NANT-YR-ABER	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 19/08/1988 Effective Date: 19/08/1988 Revocation Date: 07/02/1994



ID	Location	Address	Details	
7	494m E	CAERPHILLYPONTYPANDYNANTYR ABER,CAERPHILLYPONTYPANDYNA NTYRAB,PONTYPANDYNANTYRABE R,NANTYRABER	Effluent Type: UNSPECIFIED Permit Number: AN0082902 Permit Version: 1 Receiving Water: NANT-YR-ABER	Status: CONSENT EXPIRED - TIME LIMIT Issue date: 19/08/1988 Effective Date: 19/08/1988 Revocation Date: 07/02/1994

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

1

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.

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
D	171m E	Bodycote (rustproofing), Pontygwindy Industrial Estate	Not Active	-	-

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



4.17 List 2 Dangerous Substances

Records within 500m

4

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.

Features are displayed on the Current industrial land use map on [page 36 >](#)

ID	Location	Name	Status	Receiving Water	Authorised Substances
A	34m W	Hills Industries Ltdf, Pontygwindy Ind Est, Caerphilly	Not Active	-	Chromium, Copper, Lead, Nickel, Zinc
A	41m E	Rx Products, Pontygwindy Industrial Estate, Caerphilly	Not Active	Severn Estuary	Chromium, Copper, Lead, Nickel, Zinc
D	171m E	Bodycote (rustproofing), Pontygwindy Industrial Estate, Caer	Not Active	-	Chromium, Copper, Lead, Nickel, Zinc
K	354m SE	Van Leer Metallised Products, Pontygwindy Ind Est	Active	Nant Yr Aber	Chromium, Copper, Zinc

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

10

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 36 >](#)

ID	Location	Details	
A	19m SW	Incident Date: 30/07/2021 Incident Identification: 2106547 Pollutant: Specific Waste Material Pollutant Description: Commercial Waste	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details
A	19m SW	Incident Date: 30/07/2021 Incident Identification: 2106547 Pollutant: Specific Waste Material Pollutant Description: Commercial Waste	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details
A	72m NW	Incident Date: 02/10/2002 Incident Identification: 112103 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)

ID	Location	Details	
E	162m N	Incident Date: 14/01/2002 Incident Identification: 52269 Pollutant: Organic Chemicals/Products Pollutant Description: Other Organic Chemical or Product	Water Impact: Category 3 (Minor) Land Impact: Category 3 (Minor) Air Impact: Category 4 (No Impact)
3	227m SW	Incident Date: 05/09/2001 Incident Identification: 29207 Pollutant: Sewage Materials Pollutant Description: Grey Water	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)
K	351m SE	Incident Date: 28/05/2018 Incident Identification: 1802920 Pollutant: Pollutant Not Identified Pollutant Description: Pollutant Not Identified	Water Impact: Category 2 (Significant) Land Impact: No Details Air Impact: No Details
K	371m SE	Incident Date: 19/10/2022 Incident Identification: 2207654 Pollutant: Contaminated Water Pollutant Description: Dairy Washings	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details
K	371m SE	Incident Date: 19/10/2022 Incident Identification: 2207654 Pollutant: Contaminated Water Pollutant Description: Dairy Washings	Water Impact: Category 2 (Significant) Land Impact: Category 2 (Significant) Air Impact: No Details
L	437m SE	Incident Date: 09/09/2022 Incident Identification: 2206793 Pollutant: Contaminated Water Pollutant Description: Dairy Washings	Water Impact: Category 1 (Major) Land Impact: No Details Air Impact: No Details
L	437m SE	Incident Date: 30/08/2022 Incident Identification: 2206457 Pollutant: General Biodegradable Materials and Waste Pollutant Description: Food and Drink	Water Impact: Category 2 (Significant) Land Impact: No Details Air Impact: No Details

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

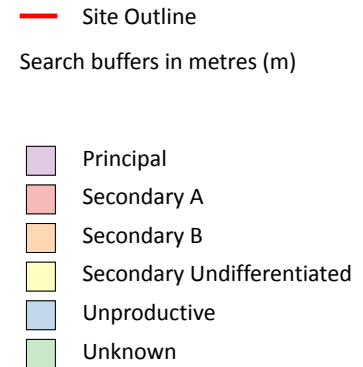
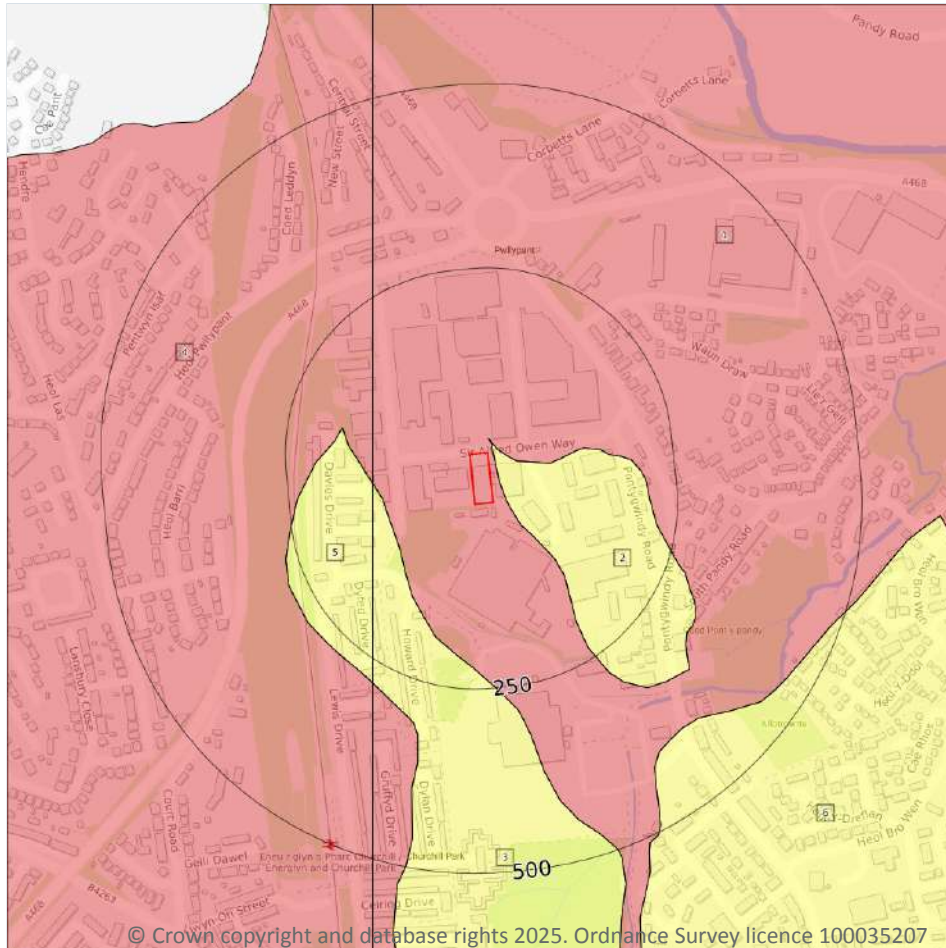
0

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



5.1 Superficial aquifer

Records within 500m

6

Aquifer status of groundwater held within superficial geology.

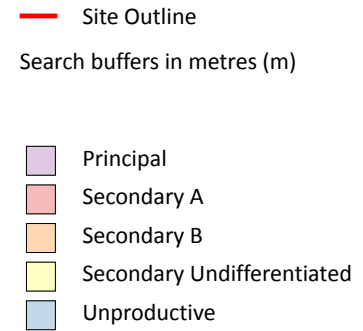
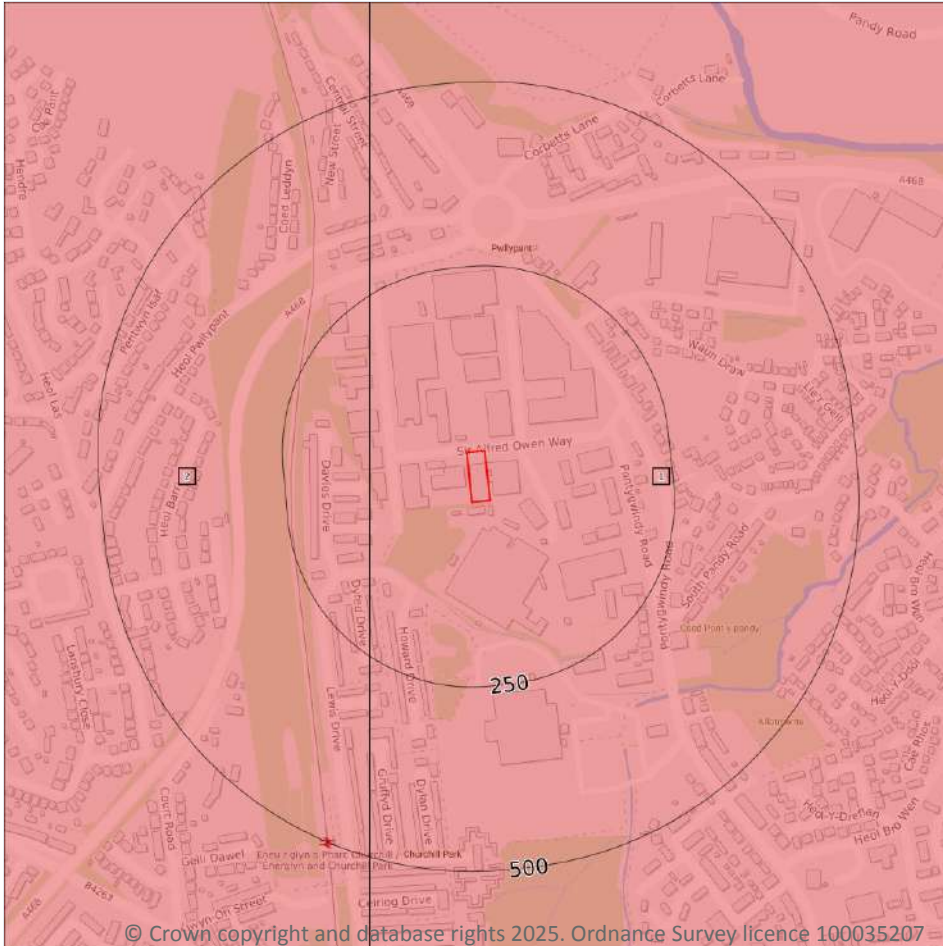
Features are displayed on the Hydrogeology map on [page 48](#) >

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	7m 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

ID	Location	Designation	Description
3	116m SW	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
4	131m W	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
5	135m W	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type
6	399m SE	Secondary Undifferentiated	Assigned where it is not possible to attribute either category A or B to a rock type. In general these layers have previously been designated as both minor and non-aquifer in different locations due to the variable characteristics of the rock type

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

Bedrock aquifer



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5.2 Bedrock aquifer

Records within 500m

2

Aquifer status of groundwater held within bedrock geology.

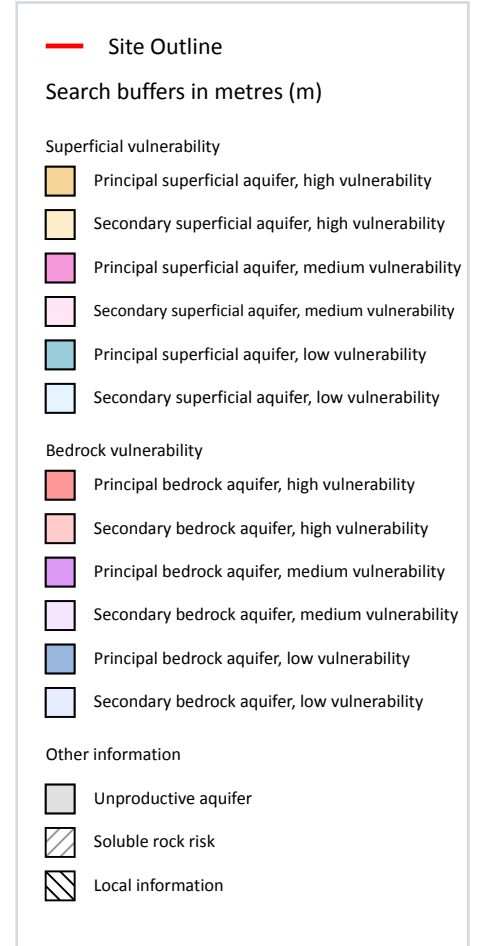
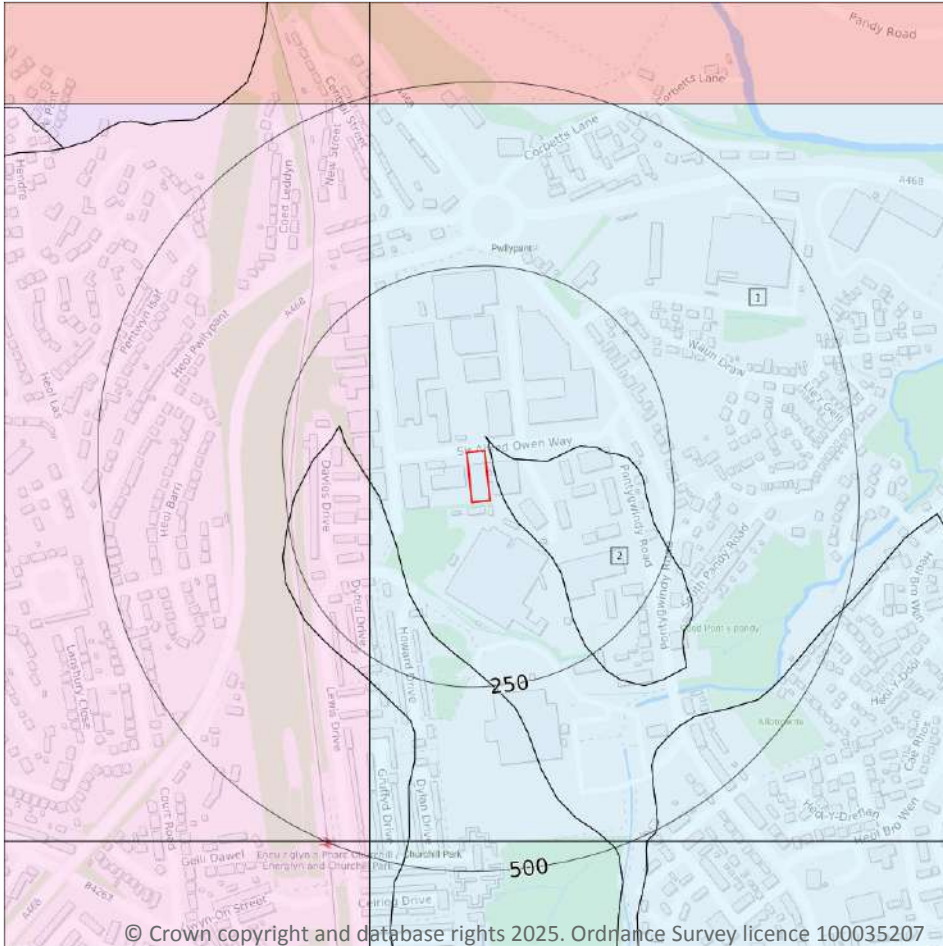
Features are displayed on the Bedrock aquifer map on [page 50 >](#)

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	131m W	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 52 >](#)

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40-70% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures
2	7m NE	Summary Classification: Secondary superficial aquifer - Low Vulnerability Combined classification: Productive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Low Infiltration value: 40- 70% Dilution value: >550mm/year	Vulnerability: Low Aquifer type: Secondary Thickness: >10m Patchiness value: >90% Recharge potential: High	Vulnerability: Low Aquifer type: Secondary Flow mechanism: Well connected fractures

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

5.4 Groundwater vulnerability- soluble rock risk

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

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

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

5.5 Groundwater vulnerability- local information

Records on site	0
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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.

ID	Location	Details	
-	1763m NW	Status: Historical Licence No: 21/57/12/0041 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT CWMIVOR FARM Data Type: Point Name: Moore Easting: 313600 Northing: 189400	Annual Volume (m ³): 81.8 Max Daily Volume (m ³): 0.22 Original Application No: - Original Start Date: 25/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 06/10/2006 Version End Date: -
-	1862m E	Status: Historical Licence No: 15/47/010/G/105 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - Fresh Point: TREGRAY VILLA WELL Data Type: Point Name: Mr P R & Mrs M A Bradley & Mr G P & Mrs K E Bradley Easting: 317020 Northing: 188330	Annual Volume (m ³): 35040 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 14/10/2008 Expiry Date: 31/03/2026 Issue No: 101 Version Start Date: 14/10/2008 Version End Date: -
-	1923m E	Status: Historical Licence No: 15/47/010/G/105 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: Ground Water - Fresh Point: TREGRAY VILLA BOREHOLE Data Type: Point Name: Mr P R & Mrs M A Bradley & Mr G P & Mrs K E Bradley Easting: 317080 Northing: 188310	Annual Volume (m ³): 35040 Max Daily Volume (m ³): 96 Original Application No: - Original Start Date: 14/10/2008 Expiry Date: 31/03/2026 Issue No: 101 Version Start Date: 14/10/2008 Version End Date: -
-	1947m W	Status: Historical Licence No: 21/57/12/0040 Details: General Farming & Domestic Direct Source: EAW Groundwater Point: WELL AT HENDREDENNY GANOL FARM Data Type: Point Name: Morris Easting: 313200 Northing: 188270	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 25/03/1966 Expiry Date: - Issue No: 100 Version Start Date: 24/05/1973 Version End Date: -

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



5.7 Surface water abstractions

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

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

5.8 Potable abstractions

Records within 2000m	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
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Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination.

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

5.10 Source Protection Zones (confined aquifer)

Records within 500m	0
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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

3

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 57 >](#)

ID	Location	Type of water feature	Ground level	Permanence	Name
A	145m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

ID	Location	Type of water feature	Ground level	Permanence	Name
B	194m S	Inland river not influenced by normal tidal action.	Underground	Watercourse contains water year round (in normal circumstances)	-
B	238m SE	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	-

This data is sourced from the Ordnance Survey.

6.2 Surface water features

Records within 250m	2
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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 57 >](#)

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 57 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River WB catchment	Nant y Aber - source to conf Rhymney R	GB109057027170	Rhymney	South East Valleys

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.

Features are displayed on the Hydrology map on [page 57 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
4	342m SE	River	Nant y Aber - source to conf Rhymney R	GB109057027170	Good	Good	Good	2016

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.

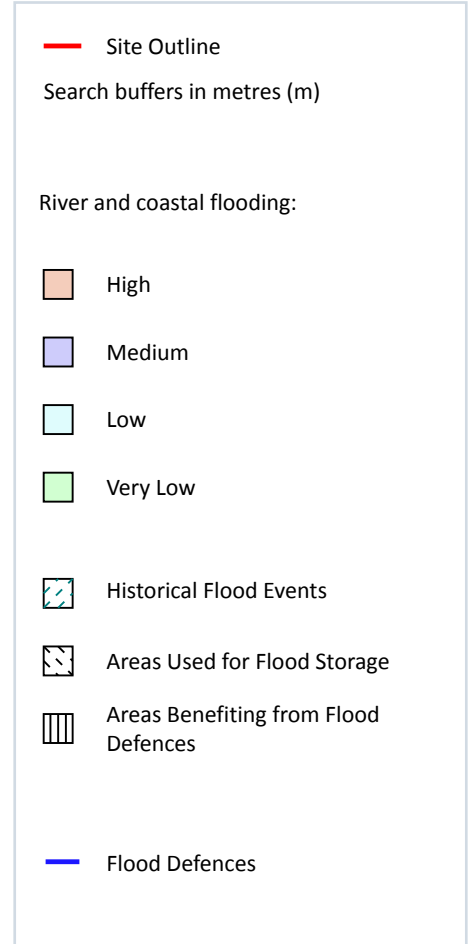
Features are displayed on the Hydrology map on [page 57 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
1	On site	SE Valleys Carboniferous Coal Measures	GB40902G201900	Poor	Poor	Good	2017

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



7 River and coastal flooding



7.1 Risk of flooding from rivers and the sea

Records within 50m

0

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

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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

1

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.

Features are displayed on the River and coastal flooding map on [page 60](#) >

ID	Location	
A	227m SE	Area benefiting from flood defences

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

7.5 Flood Storage Areas

Records within 250m

0

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

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

River and coastal flooding - Flood Zones

7.6 Flood Zone 2

Records within 50m

0

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

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

7.7 Flood Zone 3

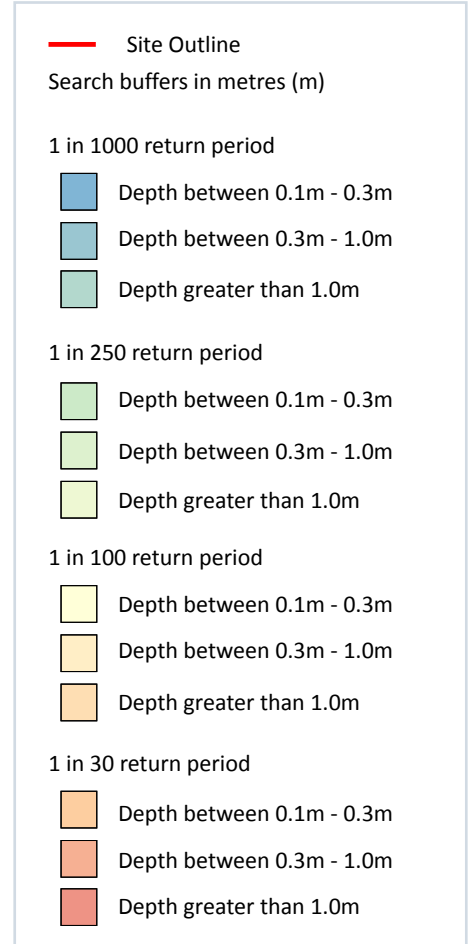
Records within 50m

0

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

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

8 Surface water flooding



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, 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 63 >](#)

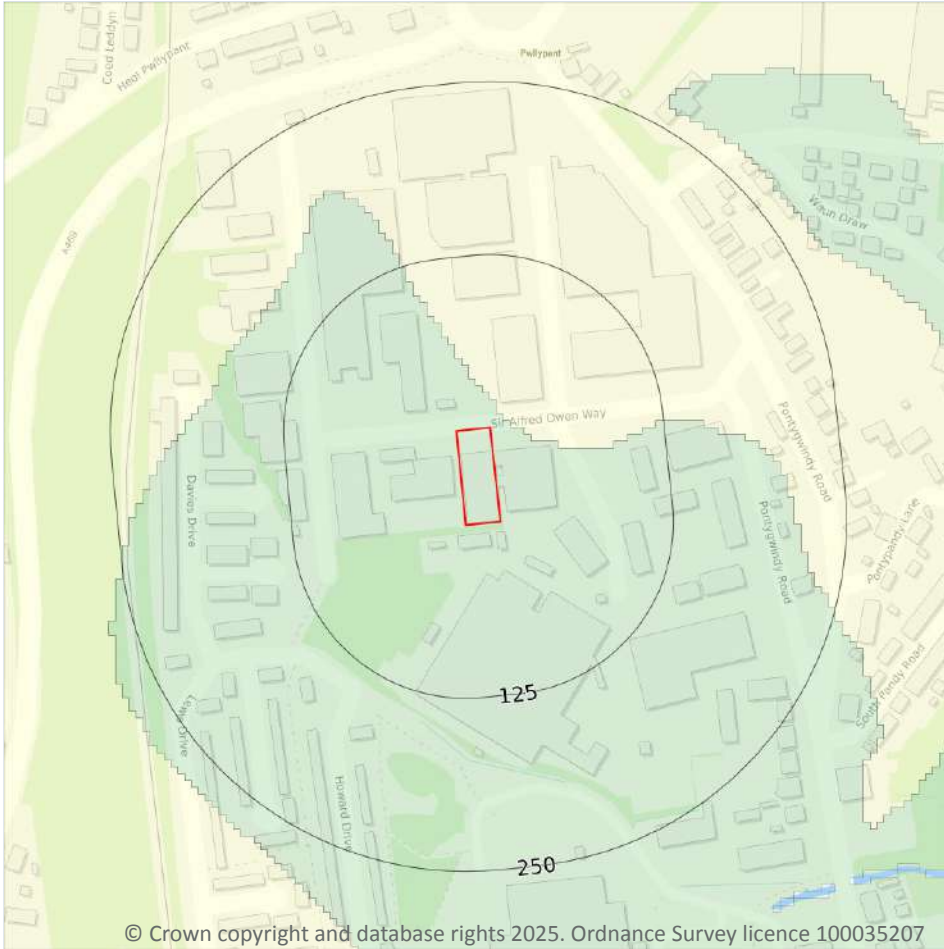
The data shown on the map and in the table above shows the highest likelihood of flood events happening at the site. Lower likelihood events may have greater flood depths and hence a greater potential impact on a site.

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

Return period	Maximum modelled depth
1 in 1000 year	Between 0.3m 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 Ambiental Risk Analytics.

9 Groundwater flooding



9.1 Groundwater flooding

Highest risk on site

Low

Highest risk within 50m

Moderate

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

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

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



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

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

2

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

Features are displayed on the Environmental designations map on [page 66](#) >

ID	Location	Name	Data source
12	973m NW	Llanbradach Quarry	Natural Resources Wales

ID	Location	Name	Data source
-	1696m SW	Gwaun Gledyr	Natural Resources Wales

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
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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	31
-----------------------------	-----------

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

Features are displayed on the Environmental designations map on [page 66 >](#)

ID	Location	Name	Woodland Type
1	35m SW	Unknown	Ancient Semi Natural Woodland
2	251m W	Unknown	Ancient Semi Natural Woodland
3	264m E	Unknown	Ancient Woodland Site of Unknown Category
A	269m NE	Unknown	Ancient Woodland Site of Unknown Category
4	325m SE	Unknown	Ancient Semi Natural Woodland
A	326m NE	Unknown	Ancient Semi Natural Woodland
A	367m NE	Unknown	Ancient Semi Natural Woodland
5	512m E	Unknown	Ancient Semi Natural Woodland
6	645m E	Unknown	Ancient Semi Natural Woodland
7	683m NW	Unknown	Restored Ancient Woodland Site
8	702m NE	Unknown	Ancient Semi Natural Woodland
9	798m NW	Unknown	Ancient Semi Natural Woodland
10	936m SW	Unknown	Ancient Semi Natural Woodland
11	941m SW	Unknown	Ancient Semi Natural Woodland
13	1051m N	Unknown	Ancient Semi Natural Woodland
B	1147m E	Unknown	Ancient Semi Natural Woodland

ID	Location	Name	Woodland Type
14	1179m E	Unknown	Ancient Semi Natural Woodland
B	1183m E	Unknown	Ancient Semi Natural Woodland
15	1260m SW	Unknown	Ancient Semi Natural Woodland
-	1284m N	Unknown	Ancient Semi Natural Woodland
17	1291m SW	Unknown	Ancient Semi Natural Woodland
-	1331m W	Unknown	Ancient Semi Natural Woodland
-	1570m W	Unknown	Ancient Semi Natural Woodland
-	1586m W	Unknown	Ancient Semi Natural Woodland
-	1640m N	Unknown	Plantation on Ancient Woodland Site
-	1682m NW	Unknown	Ancient Semi Natural Woodland
-	1764m N	Unknown	Ancient Semi Natural Woodland
-	1809m W	Unknown	Restored Ancient Woodland Site
-	1908m SW	Unknown	Ancient Semi Natural Woodland
-	1961m N	Unknown	Plantation on Ancient Woodland Site
-	1974m SE	Unknown	Ancient Semi Natural Woodland

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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.



10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

0

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

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

10.12 Proposed Ramsar sites

Records within 2000m

0

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m

0

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m

0

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

This data is sourced from Natural England.



10.15 Nitrate Sensitive Areas

Records within 2000m

0

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

This data is sourced from Natural England.

10.16 Nitrate Vulnerable Zones

Records within 2000m

0

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

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



SSSI Impact Zones and Units

10.17 SSSI Impact Risk Zones

Records on site

0

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.

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

0

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.

This data is sourced from Natural Resources Wales.

12.2 Open Access Land

Records within 250m

0

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

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

12.3 Tree Felling Licences

Records within 250m

0

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.



12.5 Countryside Stewardship Schemes

Records within 250m

0

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

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 78 >](#)

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	No coverage	Full	Full	No coverage	ST18NE
2	131m W	No coverage	Full	Full	Full	ST18NW

This data is sourced from the British Geological Survey.



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

14.2 Artificial and made ground (10k)

Records within 500m

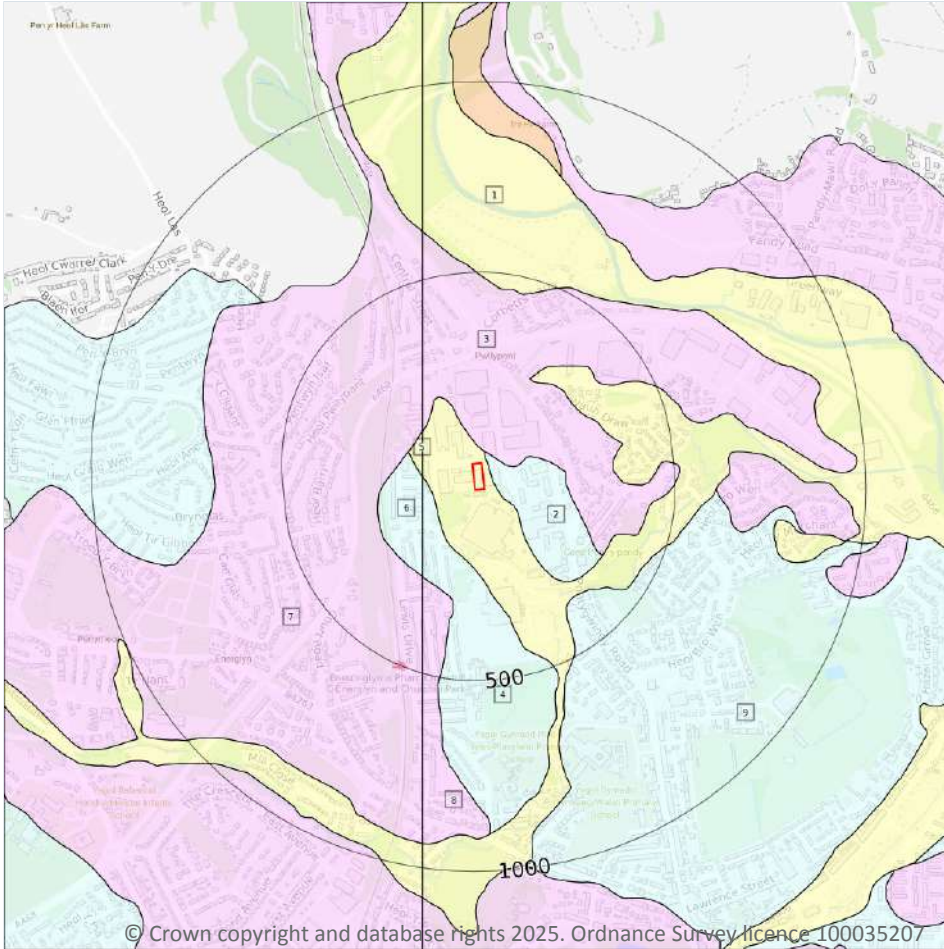
0

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.

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



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

14.3 Superficial geology (10k)

Records within 500m

9

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 80 >](#)

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
2	14m NE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
3	30m N	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
4	109m SW	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton



ID	Location	LEX Code	Description	Rock description
5	131m W	ALV-XCZSV	Alluvium - Clay, Silt, Sand And Gravel	Clay, Silt, Sand And Gravel
6	134m W	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton
7	156m NW	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
8	266m SW	GFDUD-XSV	Glaciofluvial Deposits, Devensian - Sand And Gravel	Sand And Gravel
9	368m SE	TILLD-DMTN	Till, Devensian - Diamicton	Diamicton

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

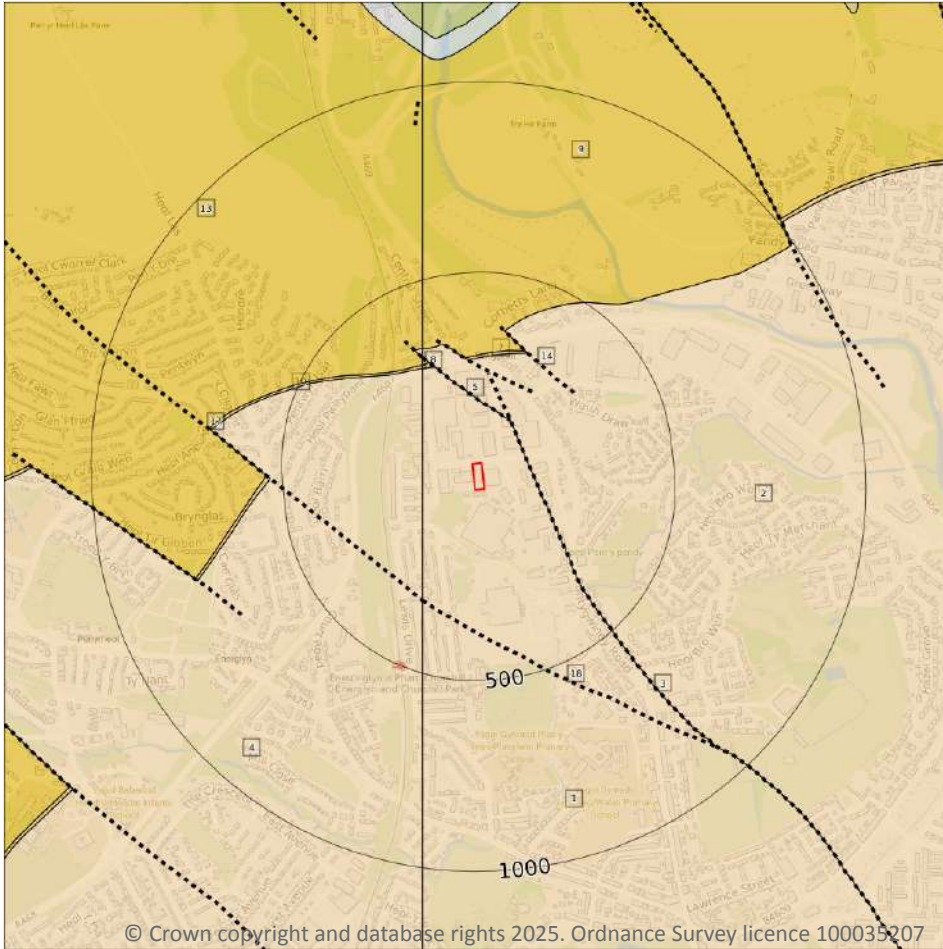
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (10k)
- Bedrock geology (10k)
Please see table for more details.

14.5 Bedrock geology (10k)

Records within 500m

10

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 82 >](#)

ID	Location	LEX Code	Description	Rock age
1	On site	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
2	112m NE	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
4	131m W	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age

ID	Location	LEX Code	Description	Rock age
7	272m N	H-MDSS	Hughes Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
8	274m N	H-MDSS	Hughes Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
9	279m N	H-SDST	Hughes Member - Sandstone	Westphalian D Sub-age
10	282m NW	H-MDSS	Hughes Member - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age
12	288m NW	H-SDST	Hughes Member - Sandstone	Westphalian D Sub-age
13	290m NW	H-SDST	Hughes Member - Sandstone	Westphalian D Sub-age
15	308m NW	GDB-MDSS	Grovesend Formation - Mudstone, Siltstone And Sandstone	Westphalian D Sub-age

This data is sourced from the British Geological Survey.

14.6 Bedrock faults and other linear features (10k)

Records within 500m	8
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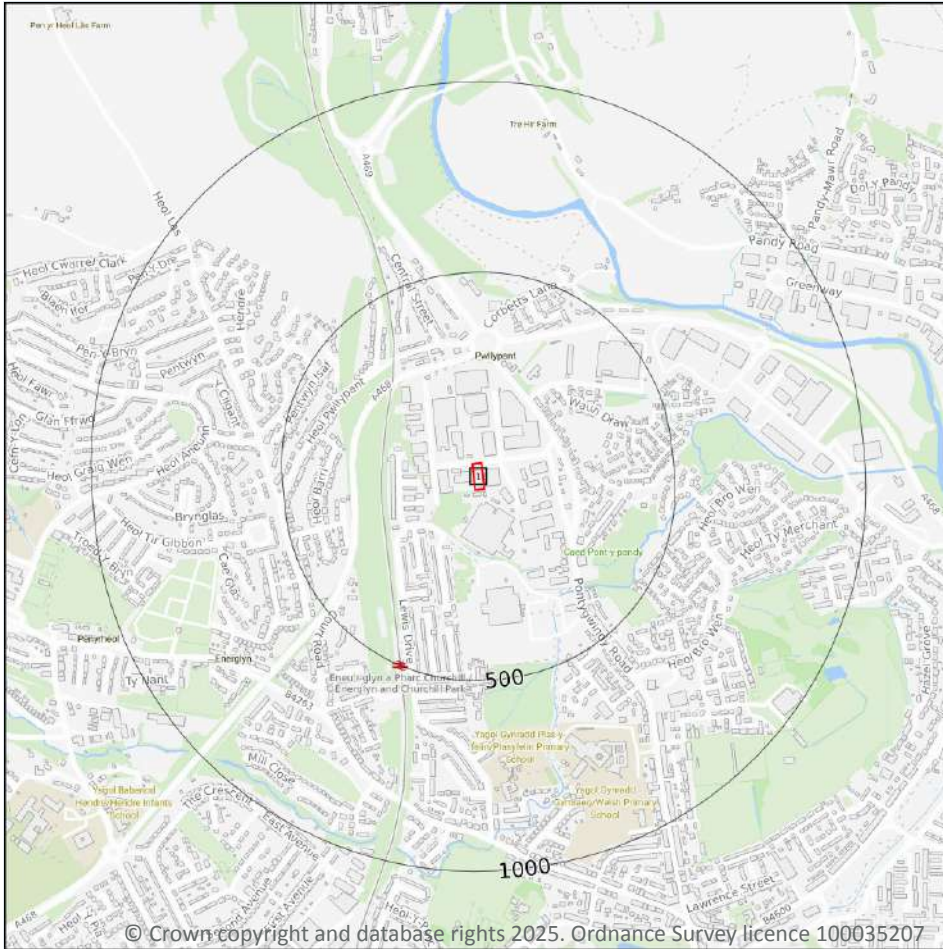
Linear features at the ground or bedrock surface at 1:10,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

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

ID	Location	Category	Description
3	112m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
5	135m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
6	224m N	FAULT	Normal fault, inferred; crossmarks on downthrow side
11	285m NW	FAULT	Normal fault, observed; crossmark on downthrow side
14	295m NE	FAULT	Normal fault, inferred; crossmarks on downthrow side
16	308m NW	FAULT	Normal fault, observed; crossmark on downthrow side
17	311m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side
18	321m SW	FAULT	Normal fault, inferred; crossmarks on downthrow side

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. Where 50k data is not available, this area has been filled in with 625k scale data.

Features are displayed on the Geology 1:50,000 scale - Availability map on [page 84](#) >

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW249_newport_v4

This data is sourced from the British Geological Survey.



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

15.2 Artificial and made ground (50k)

Records within 500m

0

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

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

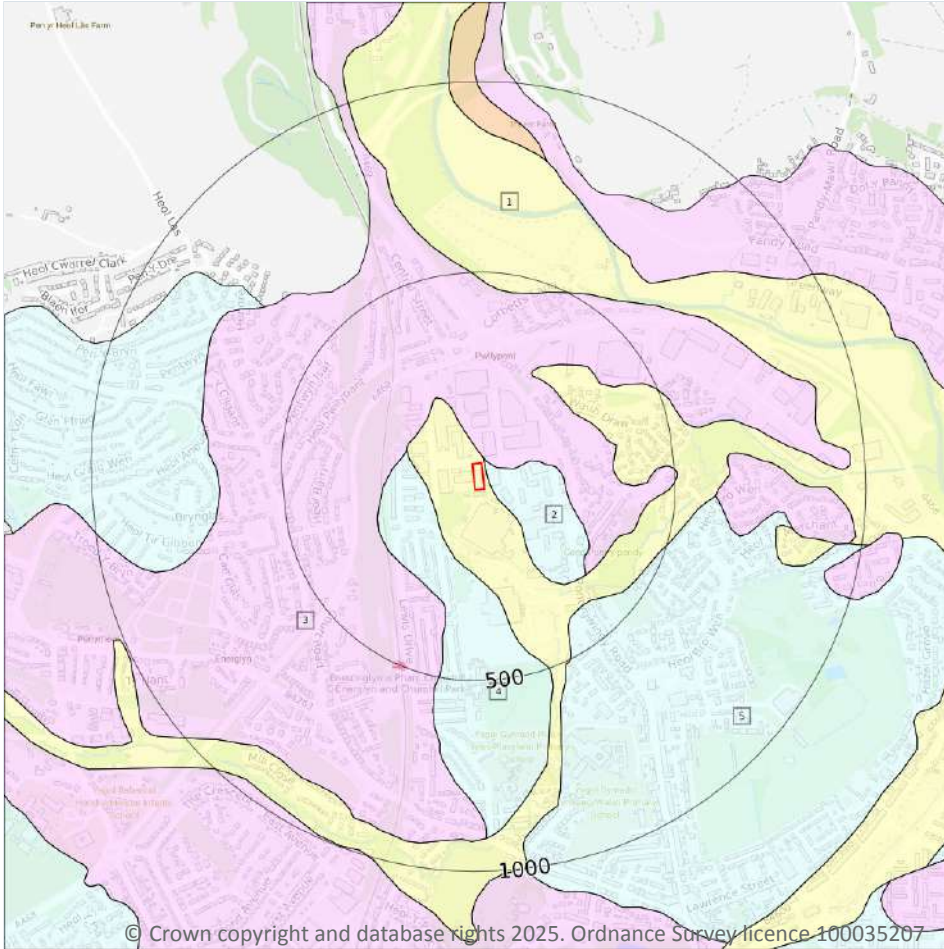
Records within 50m

0

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

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Superficial



- Site Outline
- Search buffers in metres (m)
- Landslip (50k)
- Superficial geology (50k)
Please see table for more details.

15.4 Superficial geology (50k)

Records within 500m

5

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

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

ID	Location	LEX Code	Description	Rock description
1	On site	ALV-XCZSV	ALLUVIUM	CLAY, SILT, SAND AND GRAVEL
2	7m NE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON
3	13m NE	GFDUD-XSV	GLACIOFLUVIAL DEPOSITS, DEVENSIAN	SAND AND GRAVEL
4	116m SW	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

ID	Location	LEX Code	Description	Rock description
5	399m SE	TILLD-DMTN	TILL, DEVENSIAN	DIAMICTON

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m

3

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
7m NE	Mixed	High	Low
13m NE	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)

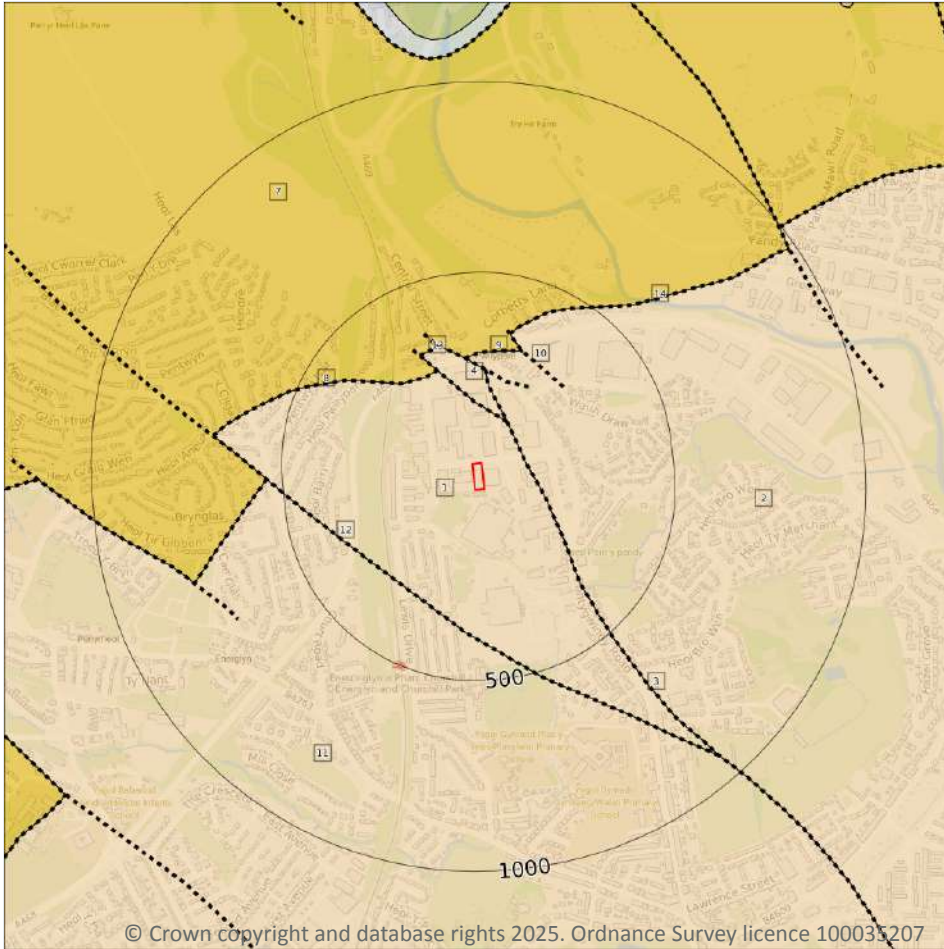
Records within 50m

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

5

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 88](#) >

ID	Location	LEX Code	Description	Rock age
1	On site	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
2	106m NE	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

ID	Location	LEX Code	Description	Rock age
4	127m NE	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN
7	258m NW	H-SDST	HUGHES MEMBER - SANDSTONE	WESTPHALIAN
11	314m SW	GDB-MDSS	GROVESEND FORMATION - MUDSTONE, SILTSTONE AND SANDSTONE	WESTPHALIAN

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	Fracture	Moderate	Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

Records within 500m	9
----------------------------	----------

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 88](#) >

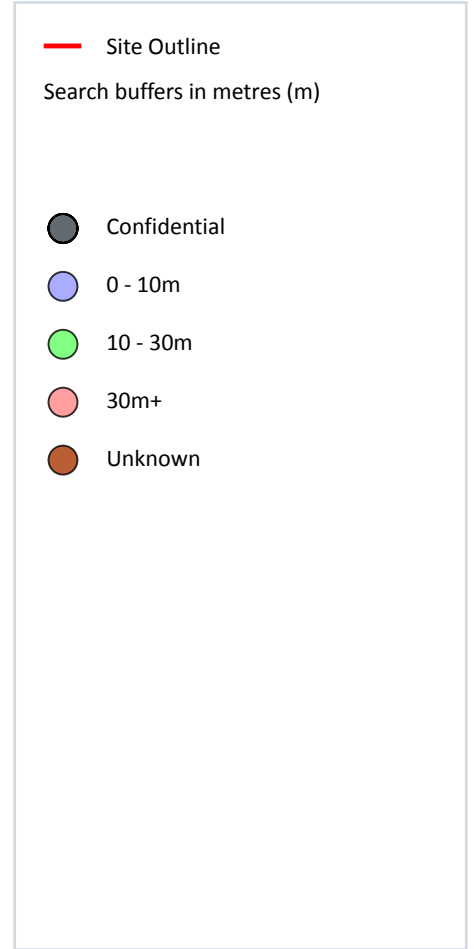
ID	Location	Category	Description
3	106m NE	FAULT	Fault, inferred, displacement unknown
5	127m NE	FAULT	Fault, inferred, displacement unknown
6	223m N	FAULT	Fault, inferred, displacement unknown
8	258m NW	ROCK	Coal seam, inferred
9	278m N	ROCK	Coal seam, inferred
10	291m NE	FAULT	Fault, inferred, displacement unknown
12	314m SW	FAULT	Fault, inferred, displacement unknown



ID	Location	Category	Description
13	316m NW	ROCK	Coal seam, inferred
14	346m N	ROCK	Coal seam, inferred

This data is sourced from the British Geological Survey.

16 Boreholes



16.1 BGS Boreholes

Records within 250m

3

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.

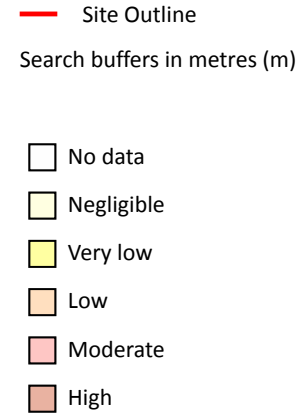
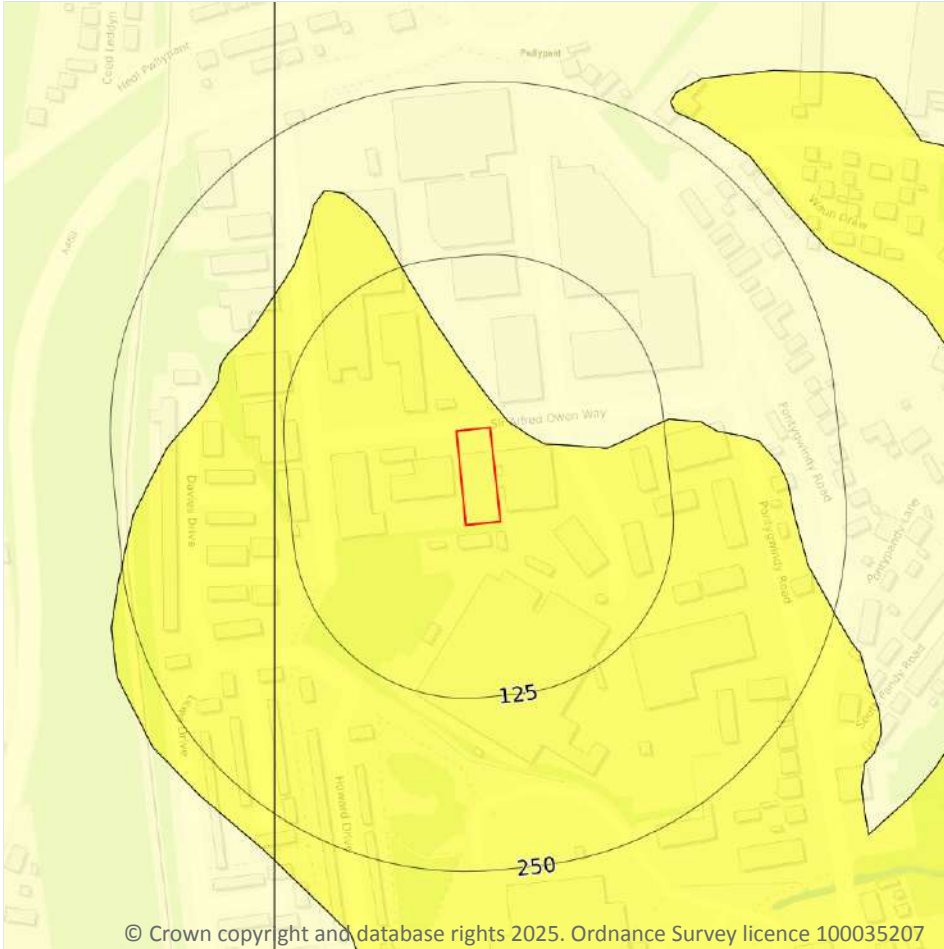
Features are displayed on the Boreholes map on [page 91](#) >

ID	Location	Grid reference	Name	Length	Confidential	Web link
A	164m S	315100 188300	PONTGWINDY, CAERPHILLY. TP.1	3.4	N	380453 ↗
A	164m S	315100 188300	PONTYGWINDY, CAERPHILLY. B	10.0	N	380454 ↗
A	164m S	315100 188300	PONTYGWINDY, CAERPHILLY. A	6.0	N	380455 ↗

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

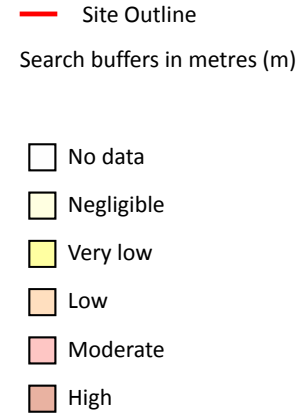
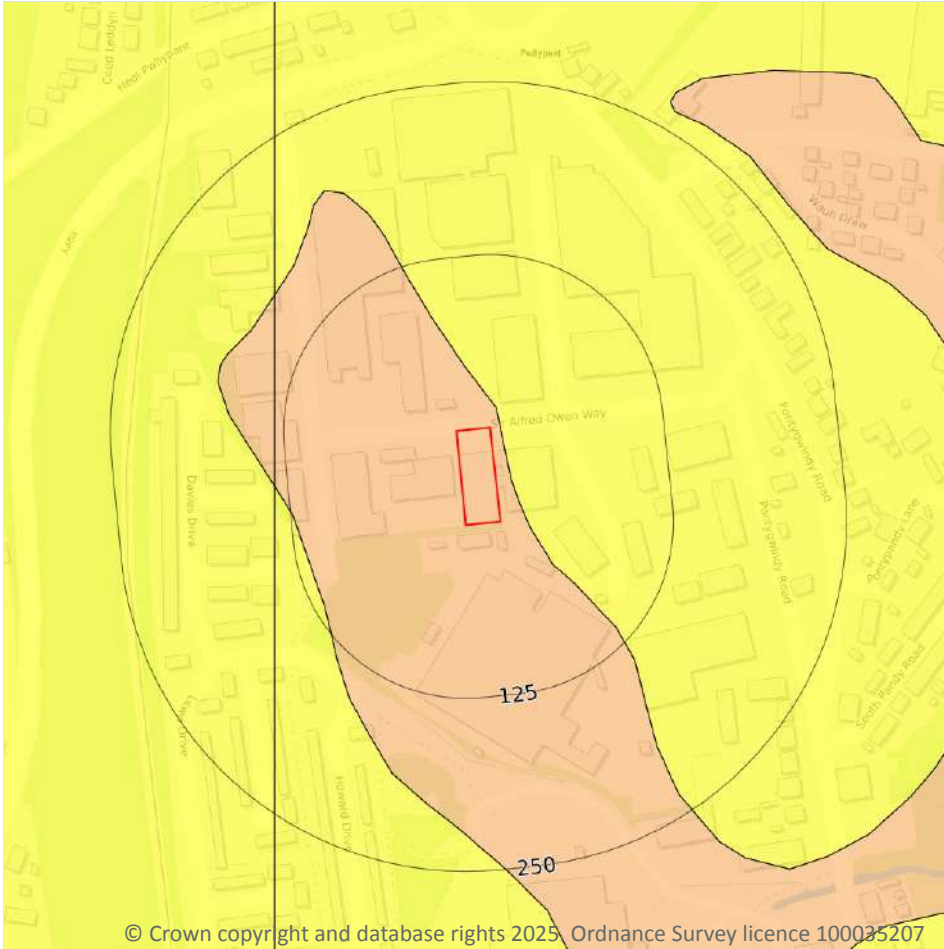
The potential hazard presented by soils that absorb water when wet (making them swell), and lose water as they dry (making them shrink). This shrink-swell behaviour is controlled by the type and amount of clay in the soil, and by seasonal changes in the soil moisture content (related to rainfall and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

Features are displayed on the Natural ground subsidence - Shrink swell clays map on [page 93](#) >

Location	Hazard rating	Details
On site	Very low	Ground conditions predominantly low plasticity.
13m NE	Negligible	Ground conditions predominantly non-plastic.

This data is sourced from the British Geological Survey.

Natural ground subsidence - Running sands



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 94](#) >

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.

Location	Hazard rating	Details
7m NE	Very low	Running sand conditions are unlikely. No identified constraints on land use due to running conditions unless water table rises rapidly.

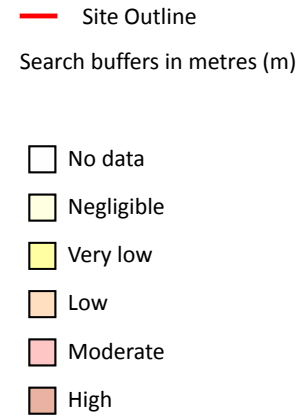
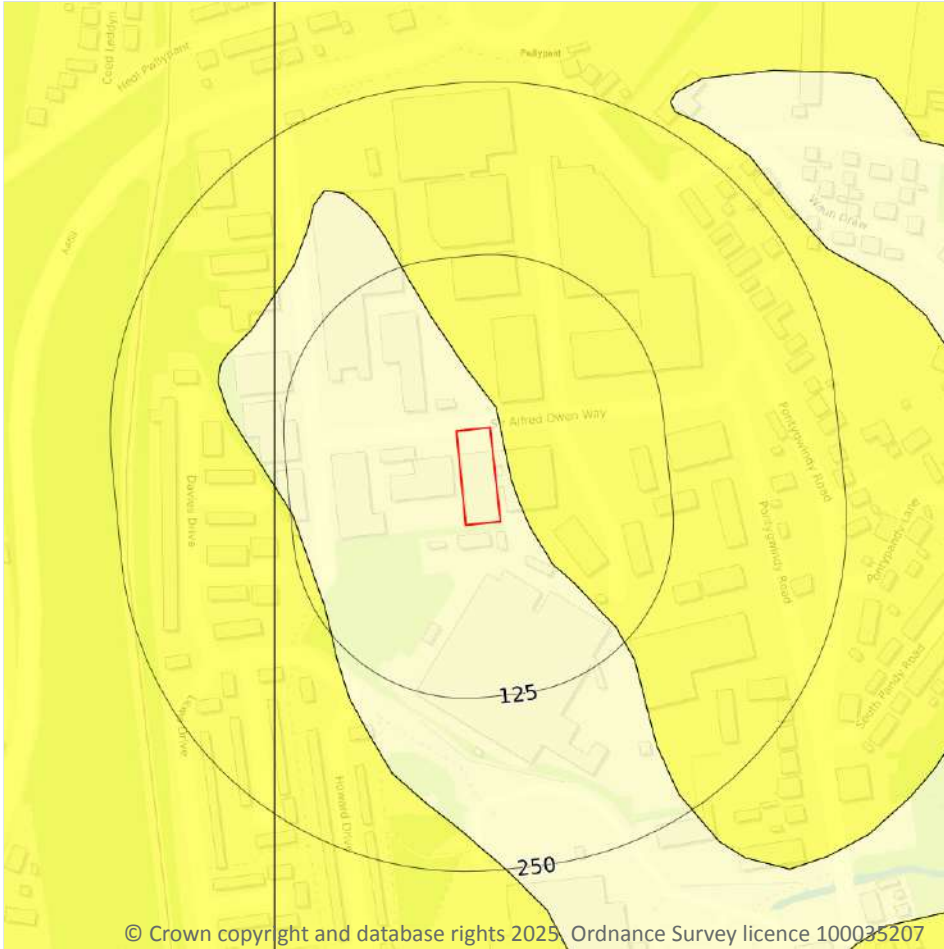
This data is sourced from the British Geological Survey.



This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



17.4 Collapsible deposits

Records within 50m

2

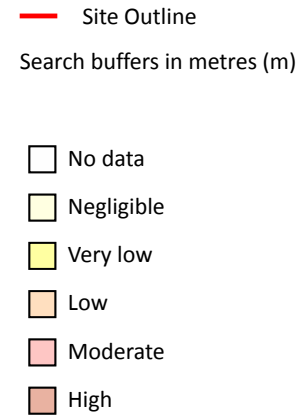
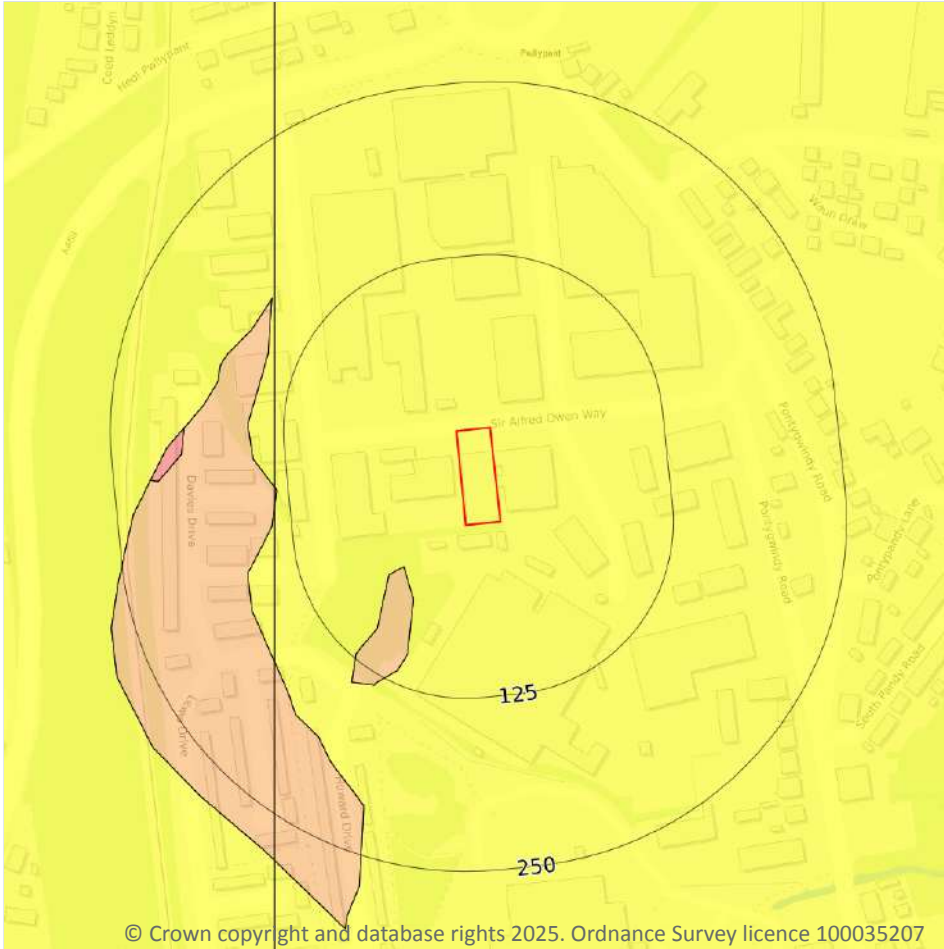
The potential hazard presented by natural deposits that could collapse when a load (such as a building) is placed on them or they become saturated with water.

Features are displayed on the Natural ground subsidence - Collapsible deposits map on [page 98 >](#)

Location	Hazard rating	Details
On site	Negligible	Deposits with potential to collapse when loaded and saturated are believed not to be present.
7m NE	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

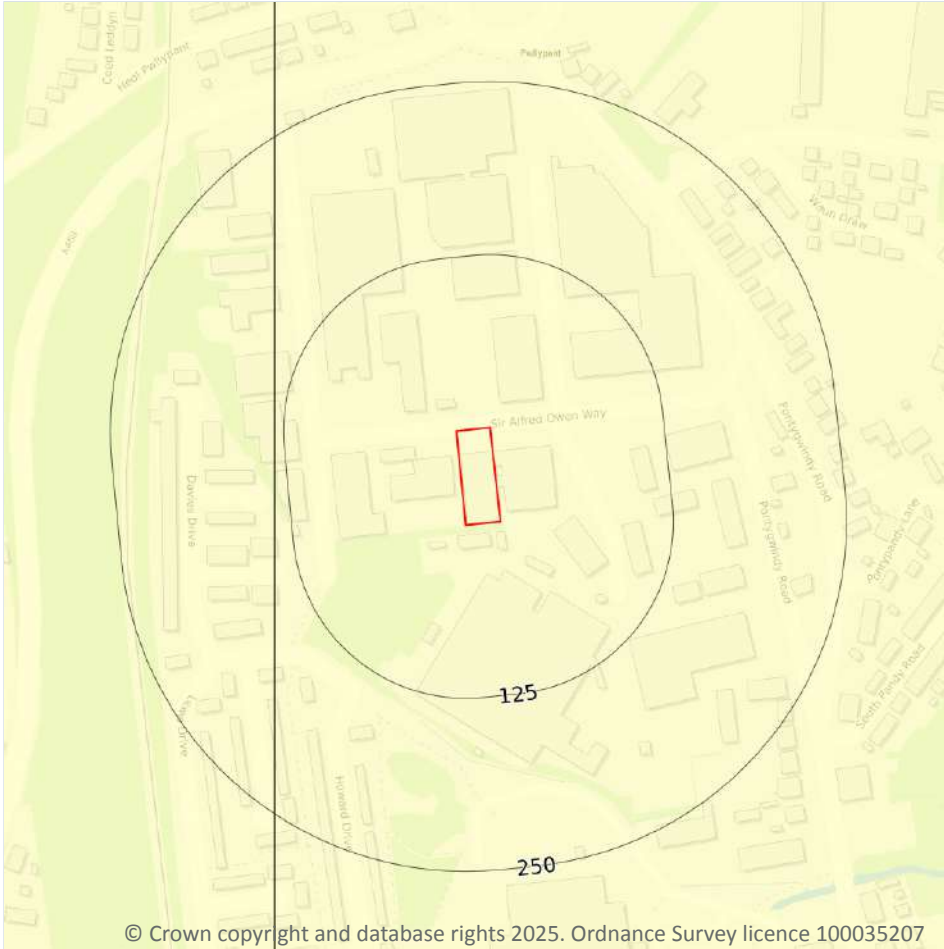
The potential for landsliding (slope instability) to be a hazard assessed using 1:50,000 scale digital maps of superficial and bedrock deposits, combined with information from the BGS National Landslide Database and scientific and engineering reports.

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

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



— Site Outline
 Search buffers in metres (m)

- No data
- Negligible
- Very low
- Low
- Moderate
- High

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.

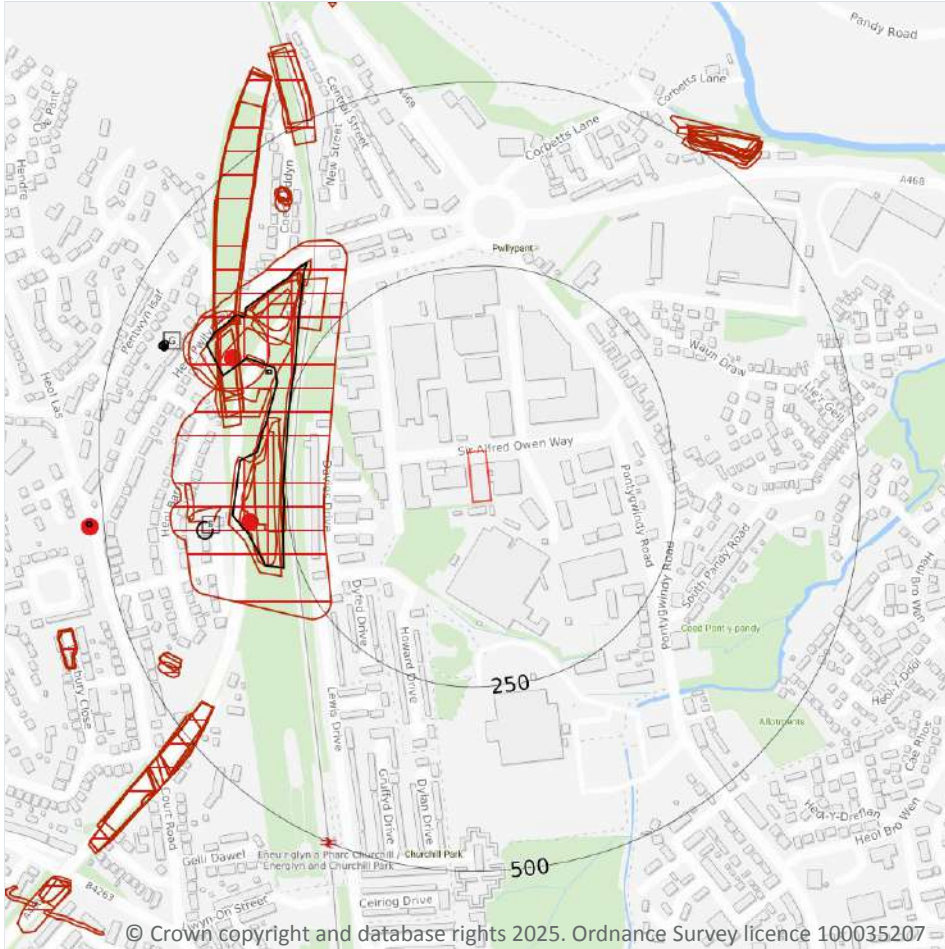
Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on [page 100](#) >

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

2

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 102](#) >

ID	Location	Details	Description
B	304m W	Name: Genea'r-glyn Colliery Address: CAERPHILLY, Gwent Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) 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
A	343m NW	Name: Genea'r-glyn Colliery Address: CAERPHILLY, Gwent Commodity: Coal, Deep Status: Ceased	Type: Working is wholly underground, access by shaft, adit or drift. Working may be termed Colliery, Mine, Drift Mine, Slant, Level, Adit or Ingoing Eye (Ingaun Ee - Scots) 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	2
----------------------------	----------

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 102 >](#)

ID	Location	Land Use	Year of mapping	Mapping scale
A	188m W	Colliery	1875	1:10560
A	246m W	Disused Colliery	1898	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.3 Underground workings

Records within 1000m	18
-----------------------------	-----------

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

Features are displayed on the Mining and ground workings map on [page 102 >](#)



ID	Location	Land Use	Year of mapping	Mapping scale
A	246m W	Disused Colliery	1898	1:10560
A	287m NW	Unspecified Shaft	1875	1:10560
E	354m W	Old Coal Level	1898	1:10560
G	431m W	Air Shaft	1875	1:10560
G	432m W	Unspecified Old Shaft	1948	1:10560
G	432m NW	Old Air Shaft	1915	1:10560
G	434m W	Air Shaft	1898	1:10560
G	434m W	Old Air Shaft	1922	1:10560
L	517m W	Old Coal Shaft	1898	1:10560
-	879m SW	Disused Colliery	1948	1:10560
-	879m SW	Disused Colliery	1915	1:10560
-	879m SW	Disused Colliery	1922	1:10560
-	927m W	Disused Colliery	1922	1:10560
-	938m SW	Disused Colliery	1899	1:10560
-	938m SW	Colliery	1875	1:10560
-	989m SW	Unspecified Old Shaft	1915	1:10560
-	989m SW	Unspecified Old Shaft	1922	1:10560
-	996m SW	Unspecified Shaft	1875	1:10560

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

0

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

This data is sourced from Groundsure.

18.10 Mining record office plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.11 BGS mine plans

Records within 500m

0

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

This data is sourced from Groundsure.

18.12 Coal mining

Records on site

1

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

Location	Details
On site	The site is located within a coal mining area as defined by the Coal Authority. A Consultants Coal Mining Report is recommended to further assess coal mining issues at the site. This can be ordered directly through Groundsure or your preferred search provider.

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
-----------------	---

Generalised areas that may be affected by historical tin mining.

This data is sourced from Groundsure.

18.16 Clay mining

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

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

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

19 Ground cavities and sinkholes

19.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

19.2 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

19.3 Reported recent incidents

Records within 500m

0

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

This data is sourced from Groundsure.

19.4 Historical incidents

Records within 500m

0

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

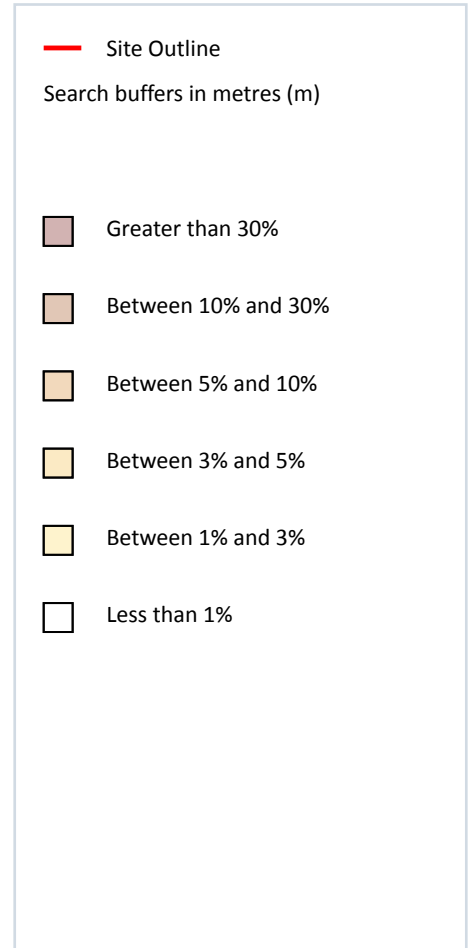
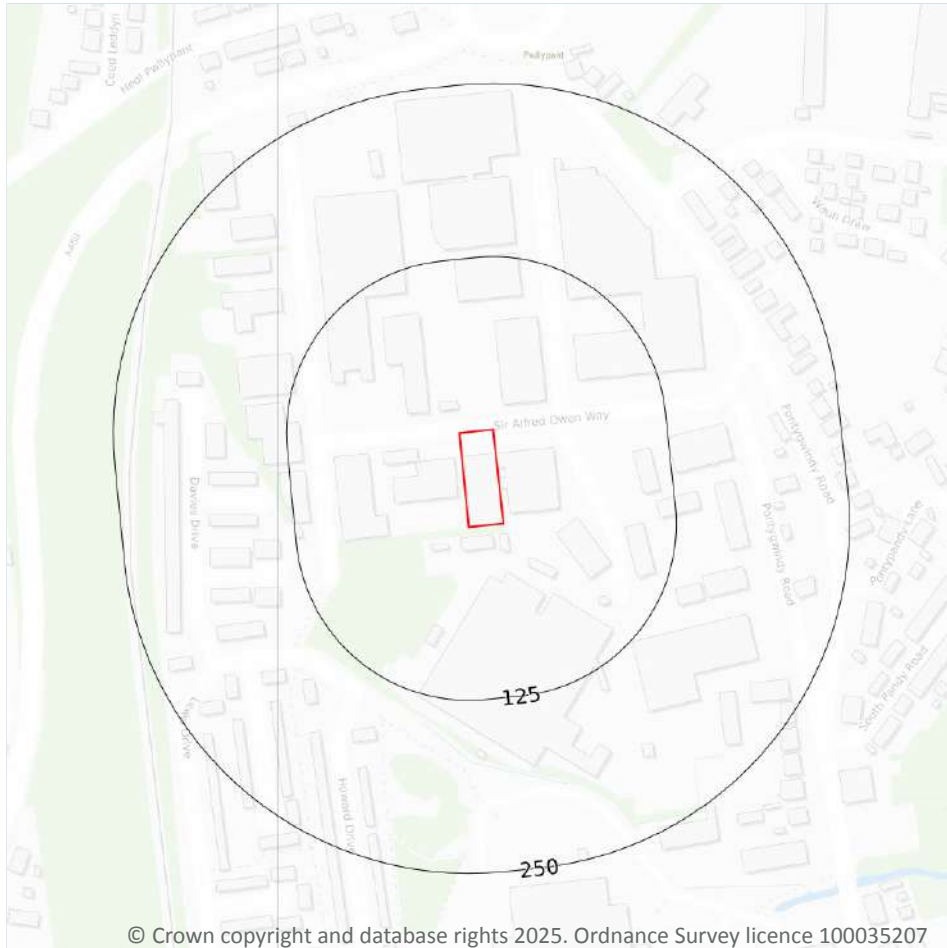
Not all 'holes' noted on Ordnance Survey mapping will necessarily be present within this dataset.



This data is sourced from Groundsure.



20 Radon



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 110 >](#)

Location	Estimated properties affected	Radon Protection Measures required
On site	Less than 1%	None

This data is sourced from the British Geological Survey and UK Health Security Agency.



21 Soil chemistry

21.1 BGS Estimated Background Soil Chemistry

Records within 50m

5

The estimated values provide the likely background concentration of the potentially harmful elements Arsenic, Cadmium, Chromium, Lead and Nickel in topsoil. The values are estimated primarily from rural topsoil data collected at a sample density of approximately 1 per 2 km². In areas where rural soil samples are not available, estimation is based on stream sediment data collected from small streams at a sampling density of 1 per 2.5 km²; this is the case for most of Scotland, Wales and southern England. The stream sediment data are converted to soil-equivalent concentrations prior to the estimation.

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
On site	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
7m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
10m E	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg
13m NE	15 mg/kg	No data	100 mg/kg	60 mg/kg	1.8 mg/kg	60 - 90 mg/kg	15 - 30 mg/kg

This data is sourced from the British Geological Survey.

21.2 BGS Estimated Urban Soil Chemistry

Records within 50m

0

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

This data is sourced from the British Geological Survey.

21.3 BGS Measured Urban Soil Chemistry

Records within 50m

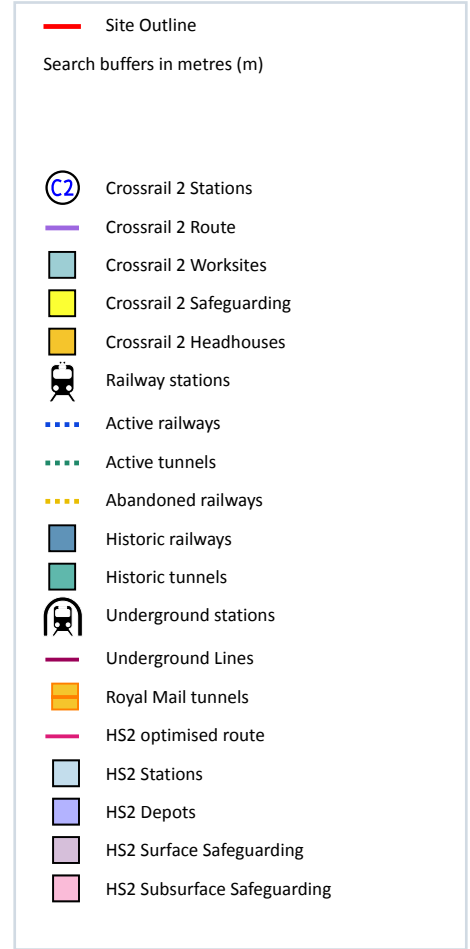
0

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

This data is sourced from the British Geological Survey.



22 Railway infrastructure and projects



22.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.2 Underground railways (Non-London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

22.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

22.4 Historical railway and tunnel features

Records within 250m

5

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.

Features are displayed on the Railway infrastructure and projects map on [page 113 >](#)

Location	Land Use	Year of mapping	Mapping scale
210m W	Railway	1901	-
215m W	Railway	1889	-
231m W	Railway Sidings	1881	2500
234m W	Railway Sidings	1875	10560
241m W	Railway Sidings	1875	2500

This data is sourced from Ordnance Survey/Groundsure.

22.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.



22.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

22.7 Railways

Records within 250m

3

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

Features are displayed on the Railway infrastructure and projects map on [page 113 >](#)

Location	Name	Type
234m W	Rhymney Line	rail
235m W	Not given	Multi Track
239m W	Rhymney Line	rail

This data is sourced from Ordnance Survey and OpenStreetMap.

22.8 Crossrail 2

Records within 500m

0

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

This data is sourced from publicly available information by Groundsure.

22.9 HS2

Records within 500m

0

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

This data is sourced from HS2 Ltd.



Data providers

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

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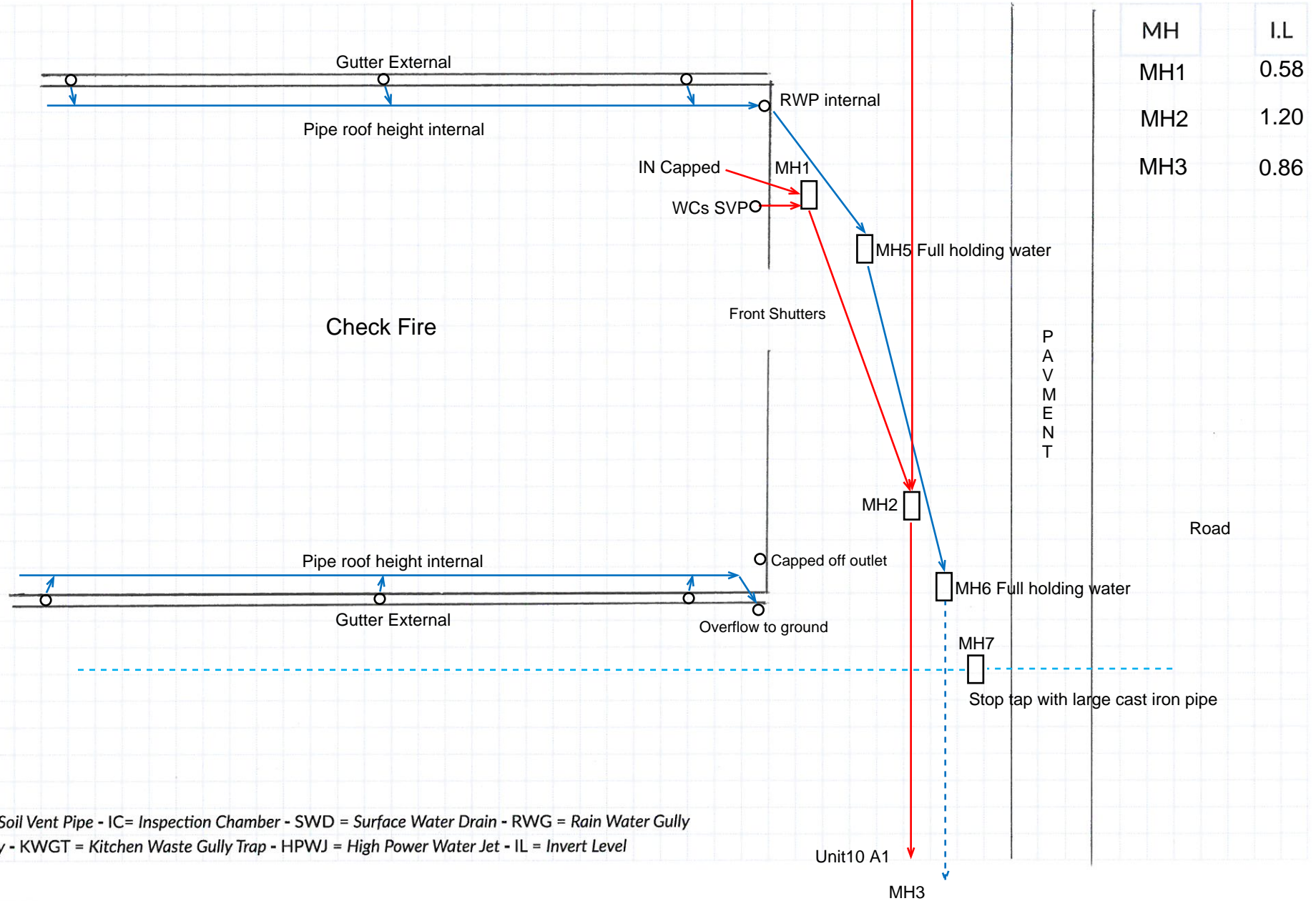
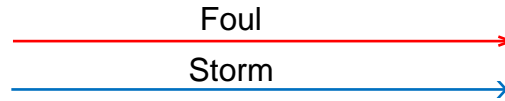
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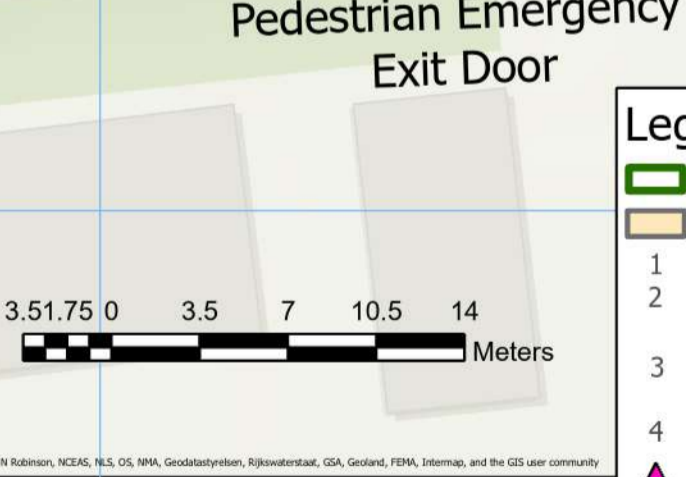


MH	I.L
MH1	0.58
MH2	1.20
MH3	0.86

KEY CODE:
 MH = Manhole - SVP = Soil Vent Pipe - IC = Inspection Chamber - SWD = Surface Water Drain - RWG = Rain Water Gully
 FWG = Foul Water Gully - KWGT = Kitchen Waste Gully Trap - HPWJ = High Power Water Jet - IL = Invert Level

Unit10 A1

MH3



Legend	
	Permit Boundary
	Building (concrete floor)
	1 IBCs-Decanted Water- x3 high
	2 Bulk Bags of Fire Extinguisher Powder
	3 IBCs- Decanted & treated Foam- x3 high
	4 Forklift Parking Area
	Electricity Supply
	Water Hose
	Powder Fire Extinguisher
	Foam Fire Extinguisher
	CO ₂ Filled Fire Extinguisher
	Absorbent Material Storage Bin
	Water Mains and Meter
	Emergency Information Pack, includes Permit, FPP and EMS
	Spill Kits
	Environmental Monitoring Point
	Muster Point for Evacuation/ Fire Drill

Drawing Number: SiteLayout-DW03
Page Size: A3
Date: 04/07/2025
Scale: 1:300
Version: FINAL
Grid reference: ST 15149 88490

Title: indicative Site Layout & Storage	
Site Location: Unit 10B, Sir Alfred Owen Way, Pontygwindy Industrial Estate, Caerphilly, CF83 3HU	
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