

F & R Cawley Limited

Part B2 – Section 6 (i) Environmental Risk Assessment

Potential Source

The potential sources of risks are considered below. Justification is also provided where sufficient evidence is available to discount a potential source.

- Transport of batteries to treatment facility
- Storage of batteries at treatment facility
- Thermal runaway of batteries and fire risk during storage
- Thermal runaway / electrical shortage and fire risk of batteries during discharge
- Contaminated water in quench tank
- Fire / risk of explosion during shredding process
- Dust from shredding process
- Noise and vibration during shredding process
- Contaminated water in tanks beneath conveyors
- Storage of flake
- Spillage of flake
- Leaks and spill of oils from oil filled heating and oils used during the maintenance of equipment
- Loose combustible materials
- Windblown waste / litter
- Surface water flood risk
- Vandalism
- Vermin / pests (i.e. flies) – storage and treatment of batteries will not provide food source for vermin or pests and this potential source can be discounted. Vermin / pest control is in place from the main waste transfer activities.
- Odour – no odorous properties and this potential source can be discounted.
- Fluvial flood risk – the site is located in Flood Zone 1 and this potential source can be discounted.

Potential Receptors

The potential receptors at risk from the battery treatment operations are provided below.

- Surface water drainage – private drainage on site with 1,000 litre interceptor tank and 100,000 litre fire water containment tank. Discharge to Thames Water surface water public sewer located beneath Wingate Road.
- Foul drainage – private drainage on site with discharge to Thames Water public foul sewer located beneath Wingate Road. A Thames Water trade effluent discharge consent is in place from the main site with a discharge to the sewer located beneath Selbourne Road. This allows trade effluent discharges from vehicle washing, wheelie bin washing and contaminated surface water.
- Watercourses – River Lee located 1.2km north and 1.7km east, Lewsey Brook located 1.75m north west, watercourse and ponds at Caddington Golf Course located 2.3km south west. The site lies within the River Lee (from Luton to Luton Hoo Lakes) Water Body which is classified as having poor ecological status under the Water Framework Directive.
- Surface water abstractions – there are no surface water abstractions located within a 2km radius of the site and this potential receptor can be discounted.
- Infrastructure (railways, roads) – railway line located 300m north east, Wingate Road located 65m south, Covent Garden Close located 120m north, Arundel Road located 135m east, Waller Avenue located 170m north west, Selbourne Road located 250m north east, M1 motorway located 1.4km west.
- Air – stack emissions from shredding process.
- Soils - Made Ground is anticipated to be present as a result of the industrial nature of the site and its surroundings. There are no superficial deposits mapped by the British Geological Survey (BGS) beneath the site. The bedrock geology is recorded at the Holywell Nodular Chalk Formation and New Pit Chalk Formation (undifferentiated), which is described as a blocky white chalk with bands of flint nodules in the upper part and several persistent marl seams.
- The bedrock is classified as a Principal Aquifer. The overlying soils are considered to have a high leaching potential and the bedrock is considered to have a high groundwater vulnerability through well connected fractures. This means that there is potential for contaminants to leach and migrate, transmitting pollutants to groundwater. Groundwater at this location lies within the Upper Lee Chalk Water Body, which has an overall poor status under the Water Frameworks Directive.
- The site is located in Zone 2 (outer catchment) of a groundwater Source Protection Zone. Zone 1 (inner catchment) lies approximately 525m south west of the site, which is protective of potable groundwater abstractions located approximately 1.3km south west of the site, registered to Affinity Water Limited. No further groundwater abstractions have been identified.
- Residential Properties – residential gardens lie immediately south of the Lithium Battery Treatment Facility, with the properties being located 46m south. Further residential properties are located 50m to the west. The prevailing wind direction is westerly (west to east), meaning that emissions are blown away from the residential properties.
- Schools – nursery located 250m north west and primary schools located 550m north, 640m and 900m north east, 970m east, 610m south east, 700m south west and 800m northwest.

- Protected Sites (SSSI, Ramsar, SAC, SPA, NNR, LNR, Ancient Woodland) – there are no designated sites recorded with a 1.5km radius of the site.
- Priority Habitats – there are no habitat designations located within a 250m radius of the site.
- Historic Buildings, listed buildings and archaeological sites – there are buildings or sites identified within a 250m radius of the site.

A Groundsure EnviroInsight Report (Ref: GS-C39-39D-Y37-M1W) has been used to assist with the identification of relevant receptors and a copy is provided in **Appendix I**. The Groundsure EnviroInsight Report provides scaled mapping with of the potential receptors identified in relation to the subject site.

Potential Pathways

The potential pathways connecting the sources and receptors are summarised below.

- Dermal Contact
- Ingestion
- Hearing
- Airborne
- Windblown
- Inhalation
- Leaching and migration
- Flood water
- Transport on roads

Assessment

The following table assesses the risks relevant to the treatment of batteries to determine whether the risk is acceptable, whether the risk can be screened out and where there is a risk that is considered too high, what control measures will be implemented to reduce this risk.

Data and Information				Judgement				Action	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual Risk
What is at risk?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequence be if this occurs?	What is the overall magnitude of risk?	What has this judgement been based on?	How can the risk be managed to reduce the magnitude?	What is the magnitude of risk after management?
Local human population	Releases of particulate matter (dusts) from shredding process	Harm to human health – respiratory irritation and illness	Airborne and then inhalation	High Likelihood	Medium	High	The shredding of lithium-ion batteries has the potential to create dusts, powders or loose fibres and so a high magnitude risk is estimated. There is potential for exposure to anyone living or working in close proximity to the site. The risks to site workers is assessed under separate RAMS provided in Appendix II.	The site is not located in a designated AQMA. All shredding activities are completed inside the treatment building. An active air extraction system has been installed within the workshop and has been tested and certified as compliant with the relevant Directives. The extraction system has a carbon filter to minimise the presence of fine particles. Air is positively extracted to a small exhaust stack - Local Exhaust Vent (LEV). Shredding can only take place when the LEV extraction system is operational. Regular maintenance of equipment and replacement filters to be installed by competent operatives. Testing from the exhaust stack has been undertaken by Cawleys and the results and subsequent assessment of this is provided in document Part B Section 6 (ii) – ERA.	Low
Local human population	Releases of particulate matter (dusts) from shredding process	Nuisance – dust on clothing, cars, windows, etc.	Airborne and then deposition	Likely	Medium	Moderate	Local residents can be sensitive to the presence of dust.	The site is not located in a designated AQMA. All shredding activities are completed inside the treatment building. An active air extraction system has been installed within the workshop and has been tested and certified as compliant with the relevant Directives. The extraction system has a carbon filter to minimise the presence of fine particles. Air is positively extracted to a small exhaust stack -Local Exhaust Vent (LEV). Shredding can only take place when the LEV extraction system is operational. Regular maintenance of equipment and replacement filters to be installed by competent operatives. Testing from the exhaust stack has been undertaken by Cawleys and the results and subsequent assessment of this is provided in document Part B Section 6 (ii) – ERA.	Low
Local human population, wildlife	Windblown waste / litter	Nuisance, loss of amenity and harm to animal health	Windblown and then deposition	Likely	Mild	Low / Moderate	Local residents can be sensitive to the presence of windblown waste / litter.	Batteries are only permitted to be stored in temperature controlled ISO containers. All testing, discharge and shredding occurs within the treatment building preventing windblown waste and litter. Shredded flake is collected directly into FIBC. Flake has a maximum size of 10mm and has the potential to be windblown during external storage. This is mitigated / prevented by ensuring FIBC are fully sealed prior to being moved and stored externally.	Very Low
Local human population	Waste, litter and mud on local roads	Nuisance, loss of amenity, road traffic accidents.	Vehicles entering and leaving site	Likely	Medium	Moderate	Road safety, local residents often sensitive to mud on roads.	Vehicle wash present on site and vehicles transporting batteries should not be exposed to areas leading to mud being brought on or off site. Regular checks for general litter and waste completed and litter cleared, as required.	Very Low
Local human population	Noise and vibration during shredding process	Nuisance, loss of amenity, loss of sleep	Noise through the air and vibration through the ground	Likely	Medium	Moderate	Local residents often sensitive to noise and vibration.	Loading and unloading will only take place during normal operational hours. Shredding activities completed inside the building with doors closed. Prevailing wind direction to the west away from residential properties. Static short term noise readings for the battery treatment operations are as follows (A = A-weighted / C = 'C Peak' Level): Main hall by conveyor – A = 67.3dB / C = 85.8dB Shredder Hall – A = 85dB / C = 93.2dB Outside treatment building by quench tank – A = 61.7db / C = 76.6dB A Workplace Noise Assessment has been completed for the existing waste transfer operations and comparison of the noise levels from the battery	Low

Data and Information				Judgement				Action	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual Risk
What is at risk?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequence be if this occurs?	What is the overall magnitude of risk?	What has this judgement been based on?	How can the risk be managed to reduce the magnitude?	What is the magnitude of risk after management?
								treatment facility with the existing operations indicates that the A-weighted and standard weighting measurements are either similar or less than those for other waste operations and external site readings. Hearing protection is provided to and worn by employees during shredding activities as per as Regulation 7(3) of The Control of Noise at Work Regulations 2005. No noise complaints have been received by the site whilst the battery treatment operations have been trialled. With respect to vibrations, the shredder is only ran for short durations and it is fed by a small conveyor. There are no significant vibrations created by the treatment process and no specific control measures are deemed necessary.	
Local human population and local environment	Surface water flooding	If waste is washed off site it may contaminate buildings and gardens downstream.	Flood waters	Low Likelihood	Medium	Low / Moderate	Southern area of site a medium and high risk of surface water flooding and waste could be washed out to Wingate Road, where residential properties are present. Waste may have hazardous properties.	Surface water drainage network has the capability to manage surface waters during normal rainfall events. No waste associated with the battery treatment process is stored loose in the external yard areas. Complete batteries are stored within temperature controlled ISO containers. All treatment is undertaken within building with doors closed. Flake is stored externally within sealed FIBC and each FIBC weighs approximately 1,000 kg. This is unlikely to be moved by surface water flood flows.	Low
Unauthorised access to the treatment operation	All on-site hazards: wastes; machinery and vehicles.	Bodily injury	Direct physical contact	Low Likelihood	Severe	Moderate	Consequence is severe due to potential hazardous properties of waste.	The site is fully secured by fencing and lockable gates. Recorded CCTV cameras are installed inside and outside of the waste site. The site is operational and manned Monday to Friday from 6am to 1am and on Saturday between 6am and 12pm. The main office building has an intruder alarm that is monitored by a watch station out of hours. All batteries are locked and secured outside of working hours in temperature controlled ISO containers and access to intruders would be prevented. In the event of a breach, the ISO containers are equipped with a fire detection system, surrounded by fire retardant concrete blocks and have inlet valves to allow the containers to be flooded with water. All equipment inside the treatment building is isolated and switched off and the treatment facility itself is locked and secured at the end of each shift to prevent access.	Low/Moderate
Local human population and local environment.	Vandalism causing the release of polluting materials via spillage or fire to air, water or land at the treatment facility.	Releases to air causing respiratory irritation, illness and nuisance to local population. Injury to staff, firefighters or arsonists/vandals. Pollution of land and groundwater. Impact to surface water and foul drains.	Air transport of smoke and inhalation. Spillages and contaminated firewater by direct run-off from site and via surface water drains.	Low Likelihood	Severe	Moderate	Consequence is severe due to potential hazardous properties of waste and risk of thermal runaway.	As above. In addition, a fire suppression system is present in the treatment facility with automated Helios fire suppression should the conveyor system be operated by intruders.	Low/Moderate
Local human population and local environment	Accidental fire from thermal runaway causing the release of polluting materials to air, water or land during	Traffic accident. Releases to air causing respiratory irritation, illness and nuisance to local population. Injury to public or	Air transport of smoke and inhalation. Spillages including fuel and oils from vehicles and contaminated firewater by direct	Likely	Severe	Very High	Potential for thermal runaway in batteries to occur during transit leading to traffic incident, which could lead to fatalities and significant pollution.	Pre-acceptance checks are undertaken and no unsolicited waste consignments from third parties are allowed. If needed, inspection of batteries is undertaken by qualified F&R Cawley staff at waste source. All batteries are transported in accordance with the Carriage of Dangerous and use of Transportable Pressure Equipment Regulations 2009 and ADR 2023. Vehicle driver is responsible for checking that the load is as described prior to being moved. Batteries are packaged in UN approved cases and surrounded by sufficient non-	Low/Moderate

Data and Information				Judgement				Action	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual Risk
What is at risk?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequence be if this occurs?	What is the overall magnitude of risk?	What has this judgement been based on?	How can the risk be managed to reduce the magnitude?	What is the magnitude of risk after management?
	transport to the treatment facility	firefighters. Pollution of land and water. Impact to surface water and foul drains.	run-off from site and via surface water drains and ditches, etc.					combustible and non-conductive thermal insulation material to protect against a dangerous evolution of heat. Packaging is appropriately labelled.	
Local human population and local environment	Accidental fire from thermal runaway during storage causing the release of polluting materials to air, water or land at the treatment facility	Releases to air causing respiratory irritation, illness and nuisance to local population. Injury to staff or firefighters. Pollution of land and groundwater. Impact to surface water and foul drains.	Air transport of smoke and inhalation. Spillages and contaminated firewater by direct run-off from site and via surface water drains.	Likely	Severe	Very High	Consequence is severe due to potential hazardous properties of waste and risk of thermal runaway.	<p>All batteries arriving on site are considered live and temperature/vapour release checks completed. If elevated temperatures are discovered on receipt, a dynamic risk assessment is conducted by the high voltage engineers and actions taken, for example, removing the battery/pack to the sterile/quarantine area, placing the affected pack/battery into the quenching tank situated outside the treatment building or utilisation fire-fighting media such as the fire blanket/Lith-EX extinguishers. Further details are provided the Fire Strategy.</p> <p>If ok, batteries are checked and weighed on receipt and moved to the treatment building for discharge. A 60 min fire watch will be conducted at the end of each day and further thermal checks undertaken prior to being placed in storage. Storage is in UN approved packaging within temperature controlled ISO containers, which are fitted with a fire alarm surrounded by a fire wall made of concrete legato blocks that hold an A1 fire resistant classification in accordance with REI 240. Maximum storage volume is limited to 20 tonnes in accordance with insurance requirements.</p> <p>The containers are checked at regular intervals throughout the day with a handheld temperature gauge and thermal camera. In the event a battery is identified with elevated temperatures it would be removed, where safe to do so and treated as described above. All staff are trained in what to do on discovery of a fire.</p> <p>In the event of a fire within the ISO containers, the containers have inlet valves to allow the containers to be flooded with water either from the hydrant on site, by site staff, or by the Fire Service. The Fire Service has undertaken familiarisation exercises at the site.</p> <p>Surface water drains would be isolated to prevent contaminated fire water entering them. Water Company would be notified should a release of fire water go to foul drains to enable early notification at the treatment facility.</p> <p>Contaminated quench water would be pumped to IBCs and disposed off site to a licenced facility as following testing and classification.</p>	Low/Moderate
Local human population and local environment	Accidental fire from thermal runaway and electrical shortage during battery discharge process causing the release of polluting materials to air, water or land at the treatment facility	Releases to air causing respiratory irritation, illness and nuisance to local population. Injury to staff or firefighters. Pollution of land and groundwater. Impact to surface water and foul drains.	Air transport of smoke and inhalation. Spillages and contaminated firewater by direct run-off from site and via surface water drains.	Likely	Severe	Very High	Consequence is severe due to potential hazardous properties of waste and risk of thermal runaway.	<p>Discharge of battery units only undertaken by high voltage engineers. Discharge process monitored by engineers and no discharging is undertaken when no operatives are in the building. No batteries are left connected overnight. Discharging takes place under thermal camera system. Discharge unit alerts engineer upon completion of discharge and battery installed with short circuit jumper cable to stop potential voltage creep.</p> <p>Fire fighting equipment (LithEX extinguisher, CO2 extinguisher (electrical), foam extinguisher (solid combustibles) and fire blanket) is provided in the treatment building and a fire detection and alarm system is installed and maintained in line with BS 5839: 2017. All staff are trained in what to do on discovery of a fire.</p>	Low

Data and Information				Judgement				Action	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual Risk
What is at risk?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequence be if this occurs?	What is the overall magnitude of risk?	What has this judgement been based on?	How can the risk be managed to reduce the magnitude?	What is the magnitude of risk after management?
Local human population and local environment	Accidental fire / explosion during shredding process causing the release of polluting materials to air, water or land at the treatment facility	Releases to air causing respiratory irritation, illness and nuisance to local population. Injury to staff or firefighters. Pollution of land and groundwater. Impact to surface water and foul drains.	Air transport of smoke and inhalation. Spillages and contaminated firewater by direct run-off from site and via surface water drains.	Likely	Severe	Very High	Risk of combustion during shredding process should battery not be fully discharged.	<p>A DSEAR Assessment for Lithium Battery Shredder was completed by DEKRA in March 2023. This assessment identified areas of improvement, which have since been reviewed and completed/implemented.</p> <p>All fully discharged batteries are placed in quarantine for a minimum of 1 hour prior to shredding. Jumper cable checked in place on each battery and further check made with digital multi meter. If a battery has been left for any sustained period after discharge a voltage check is completed and, if necessary, discharged back down to zero and the jumper cable fitted.</p> <p>Final temperature check made before battery placed on conveyor. Batteries with elevated temperatures removed to quarantine area or quench tank.</p> <p>Checks also undertaken to ensure all fire extinguishers and blankets are in place prior to shredding.</p> <p>An active air extraction system, fitted with a carbon filter, is also present to reduce the risk from fine particles, which vents to the LEV. This must be operational for shredding to be able to take place.</p> <p>Shredder has CCTV system with thermal cameras and the process is monitored throughout. An automated Helios fire suppression system is fitted on the shredder and must be fully functional prior to commencing shredding. Flame detection sensors are fitted to the roof of the hopper and on the primary discharge conveyor. In the event of a fire being detected during shredding, the Helios system activates automatically within 0.5 seconds of a fire being detected. Each deployment lasts 2 to 3 seconds until the fire is extinguished. Manual activation can also occur should self-automation fail.</p> <p>Shredding takes place in a contained building with no internal drainage. Secondary containment is present beneath the shredder and conveyors to collect any fire water. Fire water is decanted to an IBC, tested and classified prior to off site disposal at a licensed facility.</p> <p>Monthly inspections undertaken on shredder unit and fire suppression unit. Conveyor system checked on every operation. Dust extraction unit filters replaced by competent operative under permit to work. Dust build up to building and equipment prevented by regular maintenance and cleaning. Any build up discharge to FIBC discharge spout.</p>	Low
Surface water drainage and their connection to surface watercourses downstream of the site	Spillage of contaminated quench water from external tank or containment beneath conveyors. Spillage of oils and fuels.	Pollution of watercourse leading to oxygen depletion, algal blooms and fish kills and overall deterioration of surface water quality.	Direct runoff to surface water drainage with direct outfall to surface watercourses.	Low Likelihood	Severe	Moderate	Water within quench tank or secondary containment beneath conveyors may be contaminated and has potential to be classified as hazardous.	<p>Secondary containment beneath conveyors would be pumped / decanted to IBC within building. No internal drainage present. Spill kits to be used to absorb any localised spills.</p> <p>Quench tank located outside and protected by crash barriers from vehicle impact. Surface water drainage located in the vicinity of the quench tank to be temporarily protected / blocked during emptying of contaminated water to IBC(s) or tanker depending on volume.</p> <p>Oil filled heating to treatment building and small quantities of oil / grease used to maintain equipment. Spill kits for oil present on site.</p>	Low
Foul drainage	Spillage of contaminated quench water from external tank or containment beneath conveyors.	Pollutant loadings impacting upon the wastewater treatment plant.	Direct entry to foul drainage manhole covers.	Low Likelihood	Mild	Low	Water within quench tank or secondary containment beneath conveyors may be contaminated and has	As above.	Very Low

Data and Information				Judgement				Action	
Receptor	Source	Harm	Pathway	Probability of exposure	Consequence	Magnitude of risk	Justification for magnitude	Risk Management	Residual Risk
What is at risk?	What is the agent or process with potential to cause harm?	What are the harmful consequences if things go wrong?	How might the receptor come into contact with the source?	How likely is this contact?	How severe will the consequence be if this occurs?	What is the overall magnitude of risk?	What has this judgement been based on?	How can the risk be managed to reduce the magnitude?	What is the magnitude of risk after management?
	Spillage of oils and fuels.						potential to be classified as hazardous.		
Soils	Spillage of contaminated quench water from external tank or containment beneath conveyors. Spillage of oils and fuels.	Pollution of land and adsorption of contaminants onto soils. Potential for dermal contact with contaminated soil by site workers leading to irritation and illness.	Direct contact and ingestion.	Low Likelihood	Medium	Low/Moderate	Potential for hazardous contaminants but concrete hardstandings provides protection.	Secondary containment beneath conveyors would be pumped / decanted to IBC within building. Spill kits to be used to absorb any localised spills. Treatment building has good quality concrete hardstanding. Condition of concrete to be maintained to prevent spillages from being able to seep through cracks to underlying ground. Quench tank located outside and protected by crash barriers from vehicle impact. Quench tank located on good quality concrete hardstanding. Condition of concrete to be maintained to prevent spillages from being able to seep through cracks to underlying ground. Oil filled heating to treatment building and small quantities of oil / grease used to maintain equipment. Spill kits for oil present on site. Contact with soils unlikely by site workers.	Low
Groundwater – Principal Aquifer and Zone 2 GSPZ	Spillage of contaminated quench water from external tank or containment beneath conveyors. Spillage of oils and fuels.	Pollution of land and groundwater. Deterioration of groundwater quality. Impact upon potable abstractions leading to additional groundwater treatment or closure of abstraction borehole.	Potential for direct transport to groundwater via fracture flow / leaching and migration over time.	Low Likelihood	Medium	Low/Moderate	Potential for hazardous contaminants but concrete hardstandings provides protection.	As above.	Low
Local human population and local environment	Serious Fire	Releases to air, land and water leading to harm to human health, loss of amenity and deterioration of land and water quality.	Air transport of smoke and inhalation. Spillages and contaminated firewater by direct run-off from site and via surface water drains.	Unlikely	Severe	Moderate	Waste fires are not common but approximately 300 fires pa linked to waste activities. Impact on health and amenity can be significant for many days or weeks.	Measures associated with accidental fire apply to risks associated with a serious fire. Battery recycling is undertaken in a separate building to main waste transfer station. In the event of a serious fire, it is feasible that the fire could spread from one building to another. Fire Prevention Plan in place for both waste operations.	Low
Local human population and local environment	Serious Fire	Loss of amenity, deterioration of water quality	Direct run off of fire water across site to surface waters.	Unlikely	Severe	Moderate	Waste fires are not common but approximately 300 fires pa linked to waste activities. In event of fire, fire water can be produced for days/ weeks. Contaminated firewater run-off can kill fish and aquatic life.	Measures associated with accidental fire apply to risks associated with a serious fire. Battery recycling is undertaken in a separate building to main waste transfer station. In the event of a serious fire, it is feasible that the fire could spread from one building to another. Fire Prevention Plan in place for both waste operations.	Low

Appendices

Appendix I – Groundsure Report

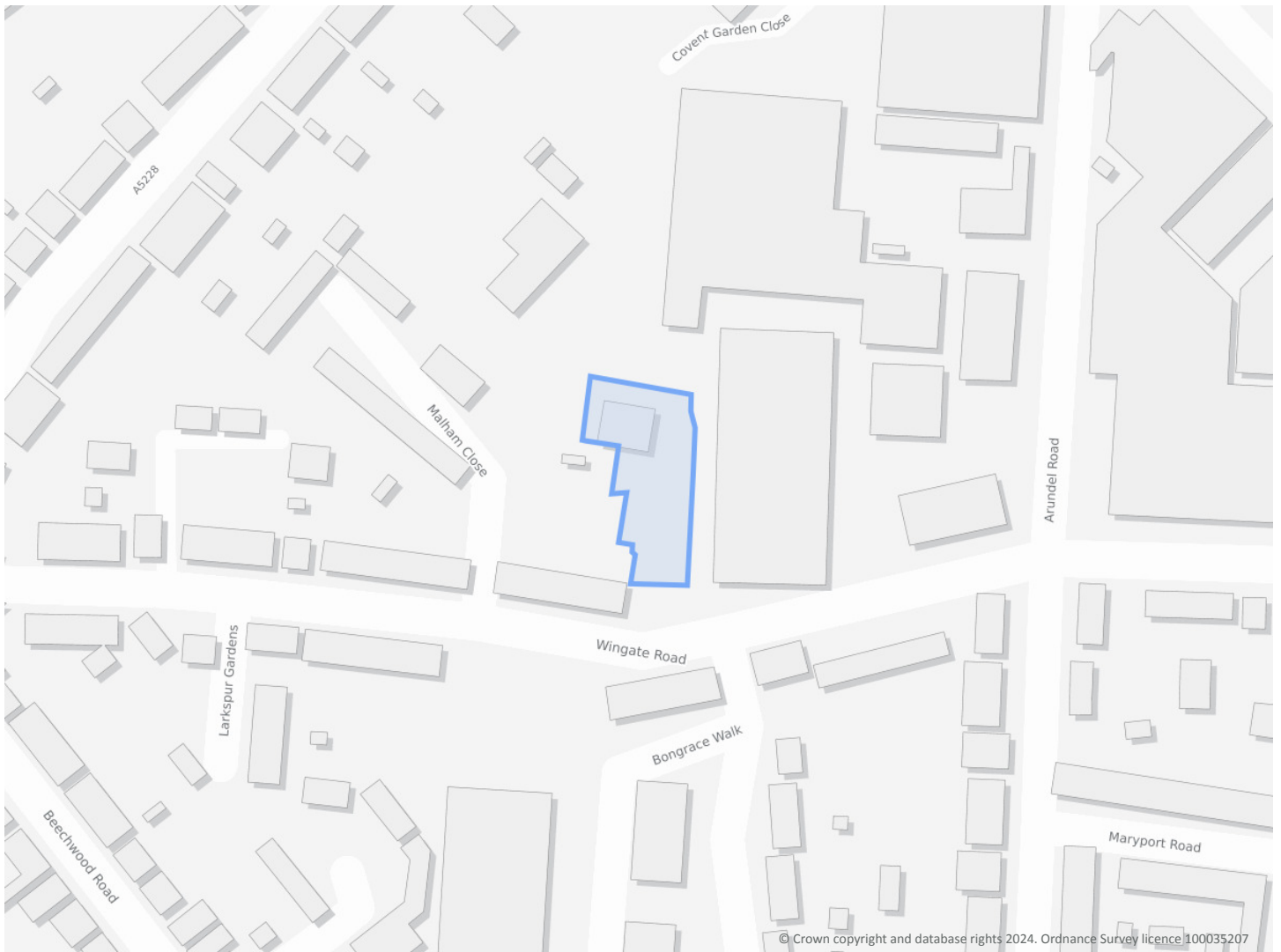
F & R CAWLEY LTD, 1, COVENT GARDEN CLOSE, LUTON, LU4 8QB

Order Details

Date: 20/02/2024
Your ref: 01C300903
Our Ref: GS-C39-39D-Y37-M1W

Site Details

Location: 506863 222964
Area: 0.19 ha
Authority: [Luton Borough Council](#) ↗



[Summary of findings](#)

[p. 2 > Aerial image](#)

[p. 6 >](#)

[OS MasterMap site plan](#)

[p.11 > \[groundsure.com/insightuserguide\]\(https://groundsure.com/insightuserguide\) ↗](#)

Contact us with any questions at:
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Summary of findings

Page	Section	Past land use >	On site	0-50m	50-250m	250-500m	500-2000m
12 >	1.1 >	Historical industrial land uses >	0	6	17	53	-
15 >	1.2 >	Historical tanks >	0	0	4	11	-
16 >	1.3 >	Historical energy features >	0	1	5	16	-
17	1.4	Historical petrol stations	0	0	0	0	-
18 >	1.5 >	Historical garages >	0	0	0	19	-
19 >	1.6 >	Historical military land >	0	0	0	1	-
Page	Section	Past land use - un-grouped >	On site	0-50m	50-250m	250-500m	500-2000m
20 >	2.1 >	Historical industrial land uses >	0	7	19	92	-
25 >	2.2 >	Historical tanks >	0	0	5	17	-
26 >	2.3 >	Historical energy features >	0	2	7	28	-
27	2.4	Historical petrol stations	0	0	0	0	-
28 >	2.5 >	Historical garages >	0	0	0	34	-
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	1	1	0	-
32 >	3.6 >	Licensed waste sites >	0	0	12	0	-
35 >	3.7 >	Waste exemptions >	0	0	16	18	-
Page	Section	Current industrial land use >	On site	0-50m	50-250m	250-500m	500-2000m
39 >	4.1 >	Recent industrial land uses >	0	2	29	-	-
41 >	4.2 >	Current or recent petrol stations >	0	0	0	3	-
42	4.3	Electricity cables	0	0	0	0	-
42	4.4	Gas pipelines	0	0	0	0	-
42	4.5	Sites determined as Contaminated Land	0	0	0	0	-



42	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
43	4.7	Regulated explosive sites	0	0	0	0	-
43	4.8	Hazardous substance storage/usage	0	0	0	0	-
43	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
43	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
43 >	4.11 >	<u>Licensed pollutant release (Part A(2)/B) ></u>	0	0	3	5	-
44	4.12	Radioactive Substance Authorisations	0	0	0	0	-
45	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
45	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
45	4.15	Pollutant release to public sewer	0	0	0	0	-
45	4.16	List 1 Dangerous Substances	0	0	0	0	-
45	4.17	List 2 Dangerous Substances	0	0	0	0	-
46 >	4.18 >	<u>Pollution Incidents (EA/NRW) ></u>	0	0	5	3	-
47	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>Geology (basic) ></u>					
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48 >	5.1 >	<u>Superficial geology (625k) ></u>	Identified (within 500m)				
48 >	5.2 >	<u>Bedrock geology (625k) ></u>	Identified (within 500m)				

Page	Section	<u>Hydrogeology ></u>	On site	0-50m	50-250m	250-500m	500-2000m
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49 >	6.1 >	<u>Superficial aquifer ></u>	Identified (within 500m)				
50 >	6.2 >	<u>Bedrock aquifer ></u>	Identified (within 500m)				
51 >	6.3 >	<u>Groundwater vulnerability ></u>	Identified (within 50m)				
52 >	6.4 >	<u>Groundwater vulnerability- soluble rock risk ></u>	Identified (within 0m)				
52	6.5	Groundwater vulnerability- local information	None (within 0m)				
53 >	6.6 >	<u>Groundwater abstractions ></u>	0	0	0	0	8
55	6.7	Surface water abstractions	0	0	0	0	0
56 >	6.8 >	<u>Potable abstractions ></u>	0	0	0	0	8
58 >	6.9 >	<u>Source Protection Zones ></u>	1	0	0	1	-



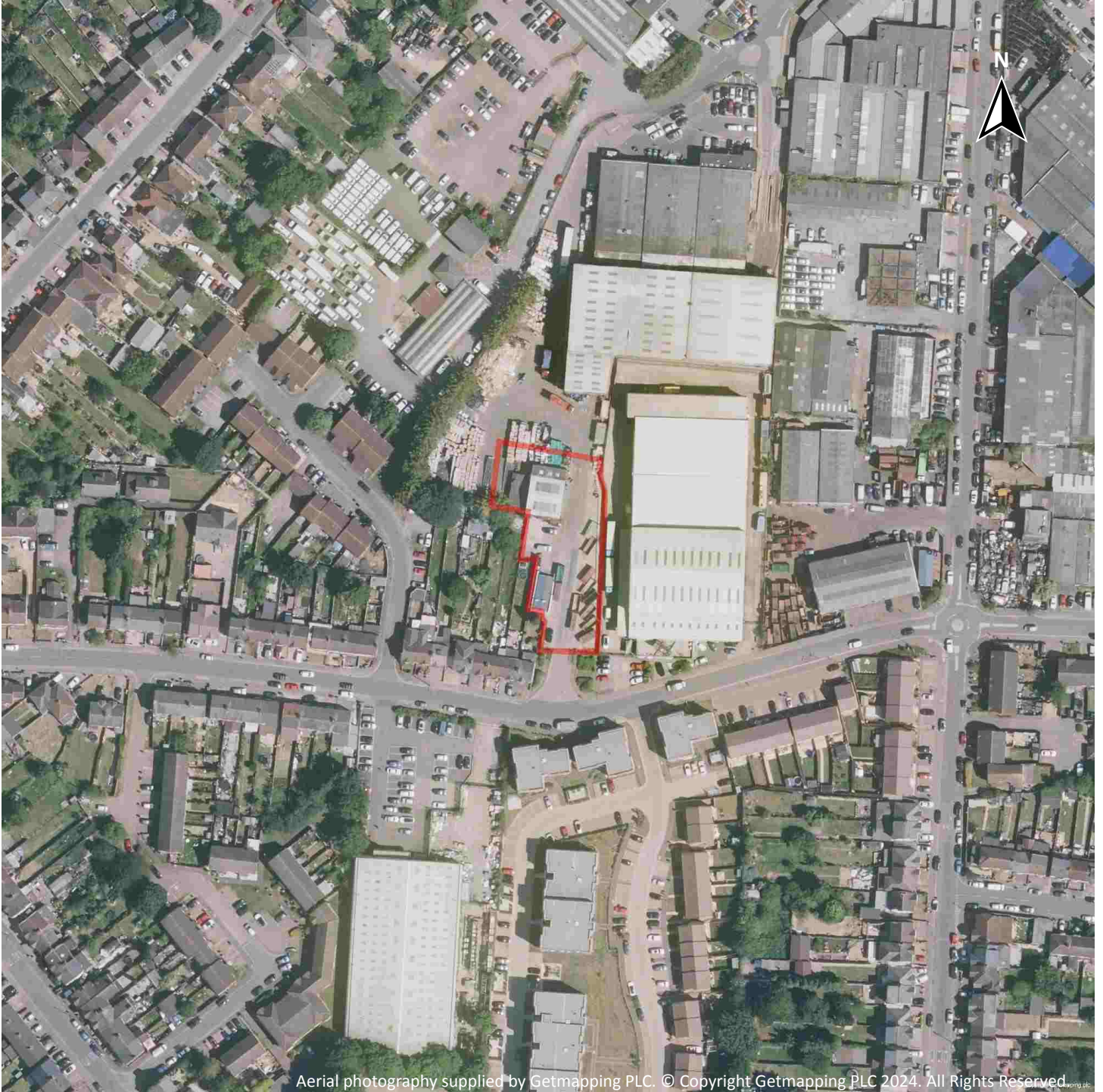
Page	Section		On site	0-50m	50-250m	250-500m	500-2000m	
58	6.10	Source Protection Zones (confined aquifer)	0	0	0	0	-	
		Hydrology >						
59	7.1	Water Network (OS MasterMap)	0	0	0	-	-	
59	7.2	Surface water features	0	0	0	-	-	
60 >	7.3 >	WFD Surface water body catchments >	1	-	-	-	-	
60 >	7.4 >	WFD Surface water bodies >	0	0	0	-	-	
61 >	7.5 >	WFD Groundwater bodies >	1	-	-	-	-	
		River and coastal flooding						
62	8.1	Risk of flooding from rivers and the sea	None (within 50m)					
62	8.2	Historical Flood Events	0	0	0	-	-	
62	8.3	Flood Defences	0	0	0	-	-	
63	8.4	Areas Benefiting from Flood Defences	0	0	0	-	-	
63	8.5	Flood Storage Areas	0	0	0	-	-	
64	8.6	Flood Zone 2	None (within 50m)					
64	8.7	Flood Zone 3	None (within 50m)					
		Surface water flooding >						
65 >	9.1 >	Surface water flooding >	1 in 30 year, Greater than 1.0m (within 50m)					
		Groundwater flooding >						
67 >	10.1 >	Groundwater flooding >	High (within 50m)					
		Environmental designations >						
68 >	11.1 >	Sites of Special Scientific Interest (SSSI) >	0	0	0	0	2	
69	11.2	Conserved wetland sites (Ramsar sites)	0	0	0	0	0	
69	11.3	Special Areas of Conservation (SAC)	0	0	0	0	0	
69	11.4	Special Protection Areas (SPA)	0	0	0	0	0	
69	11.5	National Nature Reserves (NNR)	0	0	0	0	0	
70	11.6	Local Nature Reserves (LNR)	0	0	0	0	0	
70 >	11.7 >	Designated Ancient Woodland >	0	0	0	0	2	
70	11.8	Biosphere Reserves	0	0	0	0	0	
70	11.9	Forest Parks	0	0	0	0	0	



71	11.10	Marine Conservation Zones	0	0	0	0	0
71 >	11.11 >	Green Belt >	0	0	0	0	1
71	11.12	Proposed Ramsar sites	0	0	0	0	0
71	11.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
72	11.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
72	11.15	Nitrate Sensitive Areas	0	0	0	0	0
72 >	11.16 >	Nitrate Vulnerable Zones >	1	0	0	0	0
73 >	11.17 >	SSSI Impact Risk Zones >	1	-	-	-	-
74 >	11.18 >	SSSI Units >	0	0	0	0	2
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
76	12.1	World Heritage Sites	0	0	0	-	-
76	12.2	Area of Outstanding Natural Beauty	0	0	0	-	-
76	12.3	National Parks	0	0	0	-	-
76	12.4	Listed Buildings	0	0	0	-	-
77	12.5	Conservation Areas	0	0	0	-	-
77	12.6	Scheduled Ancient Monuments	0	0	0	-	-
77	12.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations >	On site	0-50m	50-250m	250-500m	500-2000m
78 >	13.1 >	Agricultural Land Classification >	Urban (within 250m)				
79	13.2	Open Access Land	0	0	0	-	-
79	13.3	Tree Felling Licences	0	0	0	-	-
79	13.4	Environmental Stewardship Schemes	0	0	0	-	-
79	13.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
80	14.1	Priority Habitat Inventory	0	0	0	-	-
80	14.2	Habitat Networks	0	0	0	-	-
80	14.3	Open Mosaic Habitat	0	0	0	-	-
80	14.4	Limestone Pavement Orders	0	0	0	-	-



Recent aerial photograph

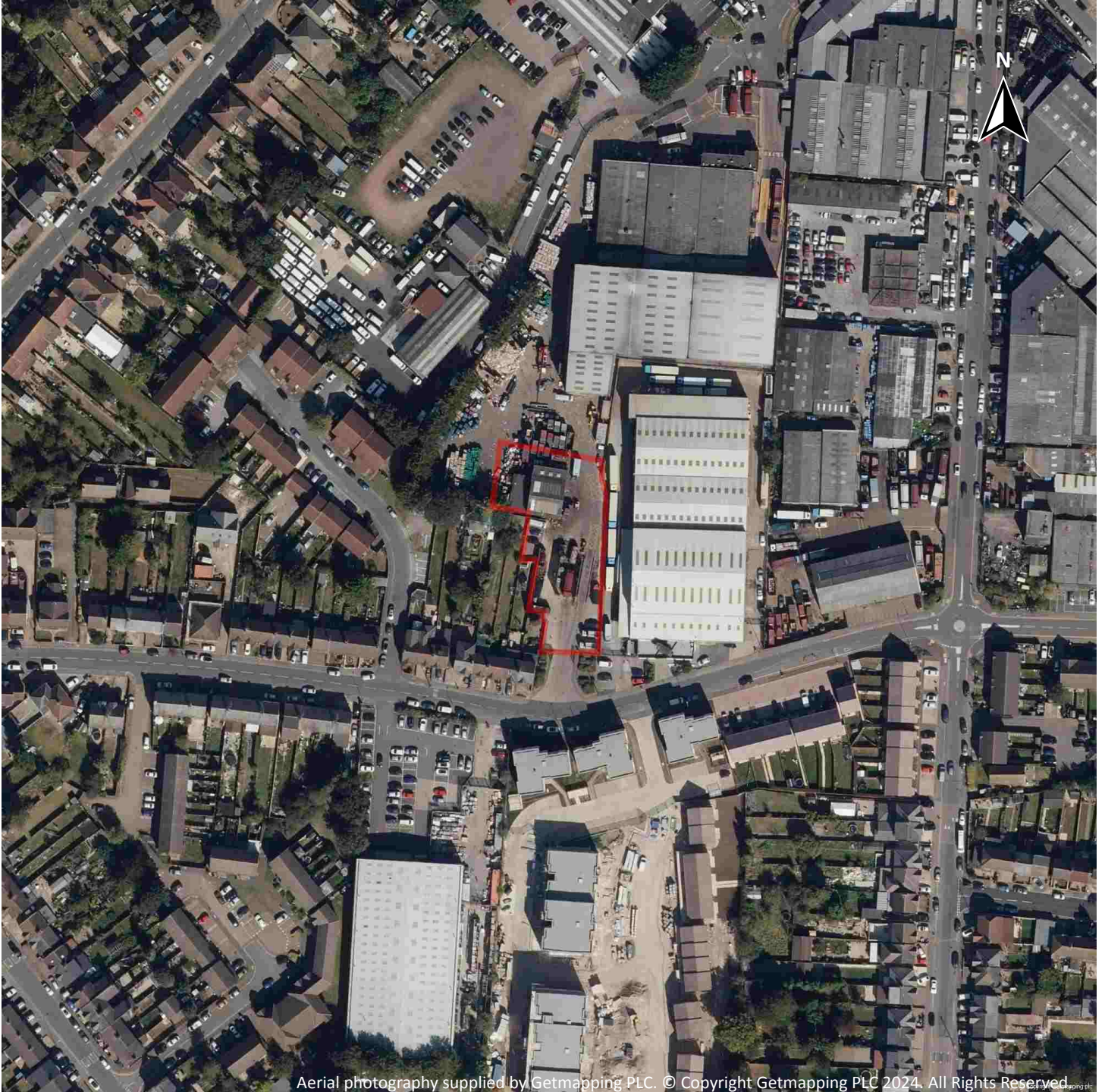


Capture Date: 15/06/2022

Site Area: 0.19ha



Recent site history - 2019 aerial photograph



Capture Date: 14/09/2019

Site Area: 0.19ha



Recent site history - 2014 aerial photograph



Capture Date: 01/06/2014

Site Area: 0.19ha



Recent site history - 2000 aerial photograph



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Capture Date: 10/06/2000

Site Area: 0.19ha



Recent site history - 1999 aerial photograph



Capture Date: 25/05/1999

Site Area: 0.19ha



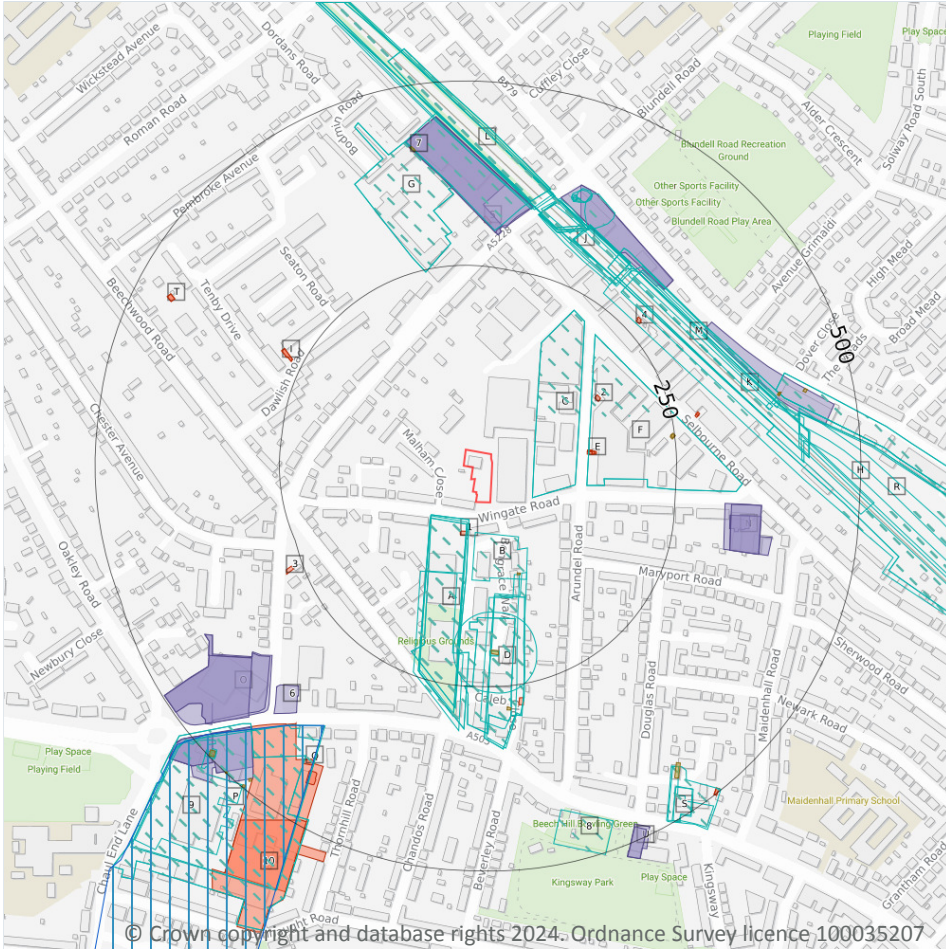
OS MasterMap site plan



Site Area: 0.19ha








1 Past land use



— Site Outline

Search buffers in metres (m)

-  Historical industrial land uses
-  Historical tanks
-  Historical energy features
-  Historical garages
-  Historical military land

1.1 Historical industrial land uses

Records within 500m **76**

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 12 >](#)

ID	Location	Land use	Dates present	Group ID
A	26m S	Unspecified Commercial/Industrial	1975	2085734



ID	Location	Land use	Dates present	Group ID
A	26m S	Unspecified Commercial/Industrial	1991	2119447
A	30m S	Engineering Works	1922	2115657
A	33m S	Unspecified Commercial/Industrial	1938	2072916
A	33m S	Engineering Works	1900 - 1922	2104739
B	41m S	Unspecified Depot	1975	2047861
C	57m E	Unspecified Works	1991	2109418
C	57m E	Unspecified Works	1975	2113145
A	98m S	Engineering Works	1947	2091864
A	101m S	Unspecified Works	1959	2046215
D	103m S	Unspecified Works	1959	2104715
D	105m S	Dyeing and Bleaching Works	1922	2114726
D	127m S	Unspecified Commercial/Industrial	1938	2058224
D	127m S	Dyeing and Bleaching Works	1900 - 1922	2073768
F	130m E	Unspecified Works	1975	2079723
F	130m E	Unspecified Works	1991	2085882
D	149m S	Unspecified Tank	1922 - 1938	2069558
D	157m S	Unspecified Works	1975	2076062
D	157m S	Unspecified Works	1991	2104392
D	201m S	Unspecified Tank	1947	2094488
D	202m S	Unspecified Tank	1938	2122645
G	247m N	Unspecified Depot	1975	2066601
G	247m N	Unspecified Depot	1991	2106999
H	264m NE	Railway Sidings	1947 - 1959	2098226
J	280m NE	Cuttings	1959	2095137
K	281m NE	Railway Sidings	1938 - 1947	2068507
J	284m NE	Cuttings	1938	2102846
L	286m NE	Cuttings	1938 - 1947	2074839
J	289m NE	Cuttings	1879 - 1881	2069685



ID	Location	Land use	Dates present	Group ID
J	289m NE	Cuttings	1888	2098253
M	289m NE	Cuttings	1888	2075850
J	291m NE	Cuttings	1922	2063737
J	291m NE	Cuttings	1924	2063738
J	291m NE	Cuttings	1924	2063739
H	292m NE	Railway Sidings	1975	2065912
H	292m NE	Railway Sidings	1991	2090252
L	300m N	Unspecified Works	1991	2046213
H	304m NE	Railway Sidings	1922	2102819
M	309m NE	Railway Sidings	1922	2092575
J	314m N	Railway Sidings	1881	2062181
J	317m N	Cuttings	1938	2095648
J	318m N	Cuttings	1975 - 1991	2098766
L	320m N	Cuttings	1924	2095696
L	320m N	Cuttings	1881	2104769
J	337m NE	Old Chalk Pit	1899	2101299
L	337m N	Cuttings	1924 - 1959	2079858
L	337m N	Cuttings	1888	2109644
L	347m N	Cuttings	1991	2095499
L	347m N	Cuttings	1975	2117480
J	360m N	Old Chalk Pit	1881	2085945
J	362m N	Unspecified Shaft	1881	2097096
J	362m N	Lime Kiln	1881 - 1888	2078863
J	362m N	Unspecified Shaft	1881	2068284
J	364m N	Unspecified Shaft	1888	2073991
J	365m N	Old Chalk Pit	1881 - 1888	2077232
P	366m SW	Instructional Factory	1922	2114420
K	378m E	Railway Building	1959	2051455



ID	Location	Land use	Dates present	Group ID
P	386m SW	Unspecified Commercial/Industrial	1938	2090987
K	389m E	Railway Building	1922	2051454
H	396m E	Unspecified Works	1975	2046214
H	396m E	Unspecified Commercial/Industrial	1991	2058221
P	414m SW	Unspecified Depot	1975	2082094
P	414m SW	Unspecified Depot	1991	2118053
R	417m E	Unspecified Industrial/Commercial	1922 - 1938	2100841
R	419m E	Railway Sidings	1938	2091628
H	420m E	Cuttings	1879	2087965
8	428m S	Laundry	1922	2048515
S	434m SE	Laundry	1900	2117872
S	436m SE	Laundry	1922	2076357
S	460m SE	Laundry	1879	2083041
S	460m SE	Laundry	1888	2090559
9	479m SW	Instructional Factory	1947	2096072
P	486m SW	Unspecified Tank	1922	2073031
P	488m SW	Unspecified Tank	1922 - 1938	2114465
P	490m SW	Unspecified Tank	1938 - 1947	2074902
P	494m SW	Unspecified Tank	1959	2044007

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

15

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 12 >](#)



ID	Location	Land use	Dates present	Group ID
B	102m S	Unspecified Tank	1986 - 1993	351216
D	200m S	Unspecified Tank	1924	343275
F	244m E	Unspecified Tank	1993	343277
F	245m E	Tanks	1979	348044
D	278m S	Unspecified Tank	1986 - 1993	349815
K	396m E	Unspecified Tank	1965 - 1979	354961
K	397m E	Unspecified Tank	1965	349682
7	410m N	Unspecified Tank	1989 - 1993	352745
K	431m E	Unspecified Tank	1965 - 1979	353455
S	434m SE	Unspecified Tank	1965	358344
P	483m SW	Unspecified Tank	1993	343276
P	489m SW	Unspecified Tank	1924	343274
P	495m SW	Unspecified Tank	1986	343194
P	498m SW	Unspecified Tank	1993	351613
P	499m SW	Unspecified Tank	1986	356979

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

22

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 12 >](#)

ID	Location	Land use	Dates present	Group ID
1	41m S	Electricity Substation	1986 - 1993	234800
E	129m E	Electricity Substation	1985	230637
E	130m E	Electricity Substation	1993 - 1995	235298



ID	Location	Land use	Dates present	Group ID
E	131m E	Electricity Substation	1979	229089
E	136m E	Electricity Substation	-	224228
2	160m NE	Electricity Substation	1979 - 1993	238526
3	263m SW	Electricity Substation	1986 - 1993	240118
I	265m NW	Electricity Substation	1978 - 1993	238759
I	265m NW	Electricity Substation	1968	232928
4	267m NE	Electricity Substation	1979 - 1993	232362
D	268m S	Electricity Substation	1986 - 1993	230437
F	281m E	Electricity Substation	1993	230591
F	283m E	Electricity Substation	1979	234624
5	306m N	Electricity Substation	1968 - 1993	234012
P	387m SW	Electricity Depot	1965 - 1966	233978
Q	413m SW	Electricity Substations	1986 - 1993	231795
Q	426m SW	Electricity Substations	1986 - 1993	237703
T	444m NW	Electricity Substation	-	224200
T	444m NW	Electricity Substation	1993	225097
10	491m SW	Electricity Substation	1966	225033
S	494m SE	Electricity Substation	1985 - 1995	232557
S	494m SE	Electricity Substation	-	224258

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

19

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 12 >](#)

ID	Location	Land use	Dates present	Group ID
L	295m N	Garage	1965	69791
L	295m N	Garage	1966 - 1968	72324
L	297m N	Garage	1978	70706
N	318m E	Garage	1995	70936
J	319m NE	Garage	1965 - 1979	72557
J	322m NE	Garage	1965	70392
N	326m E	Garage	1985	69888
N	327m E	Garage	1965	71841
N	327m E	Garage	-	69190
K	335m NE	Garage	1993	69258
O	346m SW	Garage	1966 - 1993	72570
6	347m SW	Garage	1965 - 1966	71517
O	349m SW	Garage	1974 - 1986	71805
O	370m SW	Garage	1965	71088
P	430m SW	Garage	1966 - 1993	71389
P	431m SW	Garage	1965	69603
P	476m SW	Garage	1974	71216
U	478m SE	Garage	1965 - 1995	71298
U	481m SE	Garage	1965 - 1990	72573

This data is sourced from Ordnance Survey / Groundsure.



1.6 Historical military land

Records within 500m

1

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.

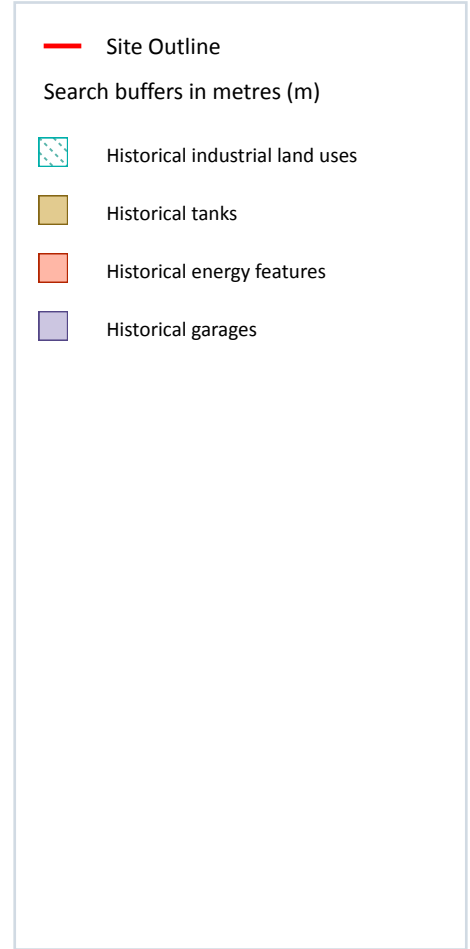
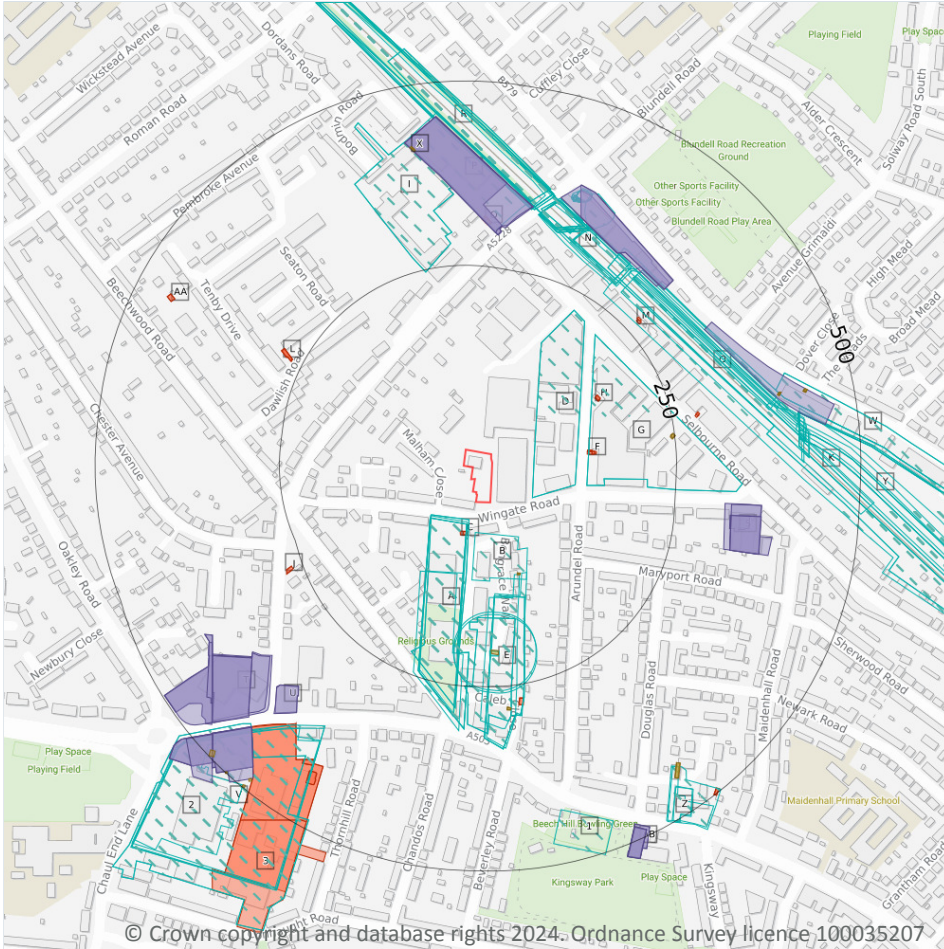
Features are displayed on the Past land use map on [page 12](#) >

ID	Location	Site Name	Date of Operation	Activities
P	367m SW	Luton (116)	circa WWI	National Filling Factory (Fuse); Filling and converting fuses

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 **118**

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 20](#) >

ID	Location	Land Use	Date	Group ID
A	26m S	Unspecified Commercial/Industrial	1991	2119447
A	26m S	Unspecified Commercial/Industrial	1975	2085734
A	30m S	Engineering Works	1922	2115657

ID	Location	Land Use	Date	Group ID
A	33m S	Unspecified Commercial/Industrial	1938	2072916
A	33m S	Engineering Works	1922	2104739
A	33m S	Engineering Works	1900	2104739
B	41m S	Unspecified Depot	1975	2047861
D	57m E	Unspecified Works	1991	2109418
D	57m E	Unspecified Works	1975	2113145
A	98m S	Engineering Works	1947	2091864
A	101m S	Unspecified Works	1959	2046215
E	103m S	Unspecified Works	1959	2104715
E	105m S	Dyeing and Bleaching Works	1922	2114726
E	127m S	Unspecified Commercial/Industrial	1938	2058224
E	127m S	Dyeing and Bleaching Works	1922	2073768
E	127m S	Dyeing and Bleaching Works	1900	2073768
G	130m E	Unspecified Works	1991	2085882
G	130m E	Unspecified Works	1975	2079723
E	149m S	Unspecified Tank	1938	2069558
E	152m S	Unspecified Tank	1922	2069558
E	157m S	Unspecified Works	1991	2104392
E	157m S	Unspecified Works	1975	2076062
E	201m S	Unspecified Tank	1947	2094488
E	202m S	Unspecified Tank	1938	2122645
I	247m N	Unspecified Depot	1991	2106999
I	247m N	Unspecified Depot	1975	2066601
K	264m NE	Railway Sidings	1959	2098226
N	280m NE	Cuttings	1959	2095137
O	281m NE	Railway Sidings	1938	2068507
N	284m NE	Cuttings	1938	2102846
N	286m NE	Cuttings	1947	2074839



ID	Location	Land Use	Date	Group ID
N	288m NE	Cuttings	1938	2074839
O	289m NE	Cuttings	1879	2069685
O	289m NE	Cuttings	1888	2075850
N	291m NE	Cuttings	1922	2063737
K	292m NE	Railway Sidings	1991	2090252
K	292m NE	Railway Sidings	1975	2065912
P	300m N	Unspecified Works	1991	2046213
O	304m NE	Railway Sidings	1922	2102819
O	306m NE	Railway Sidings	1947	2068507
O	306m NE	Railway Sidings	1938	2068507
O	309m NE	Railway Sidings	1922	2092575
N	314m N	Railway Sidings	1881	2062181
R	314m N	Cuttings	1881	2069685
N	314m N	Cuttings	1888	2098253
N	314m N	Cuttings	1888	2098253
N	317m N	Cuttings	1947	2074839
N	317m N	Cuttings	1938	2095648
N	317m N	Cuttings	1924	2063738
N	317m N	Cuttings	1947	2074839
N	317m N	Cuttings	1938	2095648
N	317m N	Cuttings	1924	2063739
N	318m N	Cuttings	1991	2098766
N	318m N	Cuttings	1975	2098766
R	320m N	Cuttings	1881	2104769
R	320m N	Cuttings	1938	2074839
R	320m N	Cuttings	1924	2095696
N	337m NE	Old Chalk Pit	1899	2101299
R	337m N	Cuttings	1947	2079858



ID	Location	Land Use	Date	Group ID
R	337m N	Cuttings	1938	2079858
R	337m N	Cuttings	1924	2079858
R	337m N	Cuttings	1947	2079858
R	337m N	Cuttings	1938	2079858
R	337m N	Cuttings	1924	2079858
R	337m N	Cuttings	1888	2109644
R	337m N	Cuttings	1888	2109644
R	339m N	Cuttings	1959	2079858
R	347m N	Cuttings	1991	2095499
R	347m N	Cuttings	1975	2117480
N	360m N	Old Chalk Pit	1881	2085945
N	362m N	Unspecified Shaft	1881	2097096
N	362m N	Unspecified Shaft	1881	2097096
N	362m N	Lime Kiln	1888	2078863
N	362m N	Lime Kiln	1888	2078863
N	362m N	Unspecified Shaft	1881	2068284
N	363m N	Lime Kiln	1881	2078863
N	363m N	Lime Kiln	1881	2078863
N	364m N	Unspecified Shaft	1888	2073991
N	364m N	Unspecified Shaft	1888	2073991
N	365m N	Old Chalk Pit	1888	2077232
N	365m N	Old Chalk Pit	1888	2077232
V	366m SW	Instructional Factory	1922	2114420
N	366m N	Old Chalk Pit	1881	2077232
V	370m SW	Instructional Factory	1922	2114420
K	378m E	Railway Building	1959	2051455
V	386m SW	Unspecified Commercial/Industrial	1938	2090987
V	387m SW	Unspecified Commercial/Industrial	1938	2090987



ID	Location	Land Use	Date	Group ID
K	389m E	Railway Building	1922	2051454
K	391m E	Railway Sidings	1922	2102819
W	396m E	Unspecified Commercial/Industrial	1991	2058221
W	396m E	Unspecified Works	1975	2046214
V	414m SW	Unspecified Depot	1991	2118053
V	414m SW	Unspecified Depot	1975	2082094
Y	415m E	Railway Sidings	1938	2068507
Y	417m E	Unspecified Industrial/Commercial	1938	2100841
Y	417m E	Unspecified Industrial/Commercial	1922	2100841
Y	417m E	Unspecified Industrial/Commercial	1938	2100841
Y	417m E	Unspecified Industrial/Commercial	1922	2100841
Y	418m E	Railway Sidings	1938	2068507
Y	418m E	Railway Sidings	1922	2102819
Y	418m E	Railway Sidings	1938	2068507
Y	418m E	Railway Sidings	1922	2102819
Y	418m E	Railway Sidings	1947	2098226
Y	418m E	Railway Sidings	1922	2102819
Y	419m E	Railway Sidings	1938	2091628
K	420m E	Cuttings	1879	2087965
1	428m S	Laundry	1922	2048515
Z	434m SE	Laundry	1900	2117872
Z	436m SE	Laundry	1922	2076357
Z	460m SE	Laundry	1879	2083041
Z	460m SE	Laundry	1888	2090559
2	479m SW	Instructional Factory	1947	2096072
V	486m SW	Unspecified Tank	1922	2073031
V	488m SW	Unspecified Tank	1938	2114465
V	490m SW	Unspecified Tank	1922	2114465



ID	Location	Land Use	Date	Group ID
V	490m SW	Unspecified Tank	1947	2074902
V	491m SW	Unspecified Tank	1938	2074902
V	494m SW	Unspecified Tank	1959	2044007

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

22

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 20 >](#)

ID	Location	Land Use	Date	Group ID
B	102m S	Unspecified Tank	1993	351216
B	103m S	Unspecified Tank	1986	351216
E	200m S	Unspecified Tank	1924	343275
G	244m E	Unspecified Tank	1993	343277
G	245m E	Tanks	1979	348044
E	278m S	Unspecified Tank	1993	349815
E	279m S	Unspecified Tank	1986	349815
K	396m E	Unspecified Tank	1965	354961
K	397m E	Unspecified Tank	1979	354961
K	397m E	Unspecified Tank	1965	349682
X	410m N	Unspecified Tank	1993	352745
X	412m N	Unspecified Tank	1989	352745
K	431m E	Unspecified Tank	1965	353455
K	432m E	Unspecified Tank	1965	353455
K	433m E	Unspecified Tank	1979	353455
Z	434m SE	Unspecified Tank	1965	358344
Z	434m SE	Unspecified Tank	1965	358344



ID	Location	Land Use	Date	Group ID
V	483m SW	Unspecified Tank	1993	343276
V	489m SW	Unspecified Tank	1924	343274
V	495m SW	Unspecified Tank	1986	343194
V	498m SW	Unspecified Tank	1993	351613
V	499m SW	Unspecified Tank	1986	356979

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

37

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 20 >](#)

ID	Location	Land Use	Date	Group ID
C	41m S	Electricity Substation	1986	234800
C	42m S	Electricity Substation	1993	234800
F	129m E	Electricity Substation	1985	230637
F	130m E	Electricity Substation	1993	235298
F	131m E	Electricity Substation	1979	229089
F	136m E	Electricity Substation	-	224228
F	136m E	Electricity Substation	1995	235298
H	160m NE	Electricity Substation	1993	238526
H	161m NE	Electricity Substation	1979	238526
J	263m SW	Electricity Substation	1993	240118
J	264m SW	Electricity Substation	1986	240118
L	265m NW	Electricity Substation	1993	238759
L	265m NW	Electricity Substation	1968	232928
L	266m NW	Electricity Substation	1978	238759
L	266m NW	Electricity Substation	1989	238759



ID	Location	Land Use	Date	Group ID
M	267m NE	Electricity Substation	1993	232362
E	268m S	Electricity Substation	1993	230437
E	269m S	Electricity Substation	1986	230437
M	270m NE	Electricity Substation	1979	232362
G	281m E	Electricity Substation	1993	230591
G	283m E	Electricity Substation	1979	234624
Q	306m N	Electricity Substation	1993	234012
Q	306m N	Electricity Substation	1968	234012
Q	306m N	Electricity Substation	1978	234012
Q	306m N	Electricity Substation	1989	234012
V	387m SW	Electricity Depot	1966	233978
V	387m SW	Electricity Depot	1965	233978
V	413m SW	Electricity Substations	1986	231795
V	413m SW	Electricity Substations	1993	231795
V	426m SW	Electricity Substations	1986	237703
V	426m SW	Electricity Substations	1993	237703
AA	444m NW	Electricity Substation	1993	225097
AA	444m NW	Electricity Substation	-	224200
3	491m SW	Electricity Substation	1966	225033
Z	494m SE	Electricity Substation	1985	232557
Z	494m SE	Electricity Substation	-	224258
Z	494m SE	Electricity Substation	1995	232557

This data is sourced from Ordnance Survey / Groundsure.

2.4 Historical petrol stations

Records within 500m

0

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



This data is sourced from Ordnance Survey / Groundsure.

2.5 Historical garages

Records within 500m

34

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 20 >](#)

ID	Location	Land Use	Date	Group ID
P	295m N	Garage	1965	69791
P	295m N	Garage	1968	72324
P	295m N	Garage	1966	72324
P	297m N	Garage	1978	70706
S	318m E	Garage	1995	70936
N	319m NE	Garage	1979	72557
N	322m NE	Garage	1965	72557
N	322m NE	Garage	1965	70392
S	326m E	Garage	1985	69888
S	327m E	Garage	1965	71841
S	327m E	Garage	-	69190
S	327m E	Garage	1965	71841
K	335m NE	Garage	1993	69258
T	346m SW	Garage	1993	72570
U	347m SW	Garage	1966	71517
U	347m SW	Garage	1965	71517
T	349m SW	Garage	1986	71805
T	370m SW	Garage	1966	72570
T	370m SW	Garage	1965	71088
T	400m SW	Garage	1966	72570
T	400m SW	Garage	1974	71805

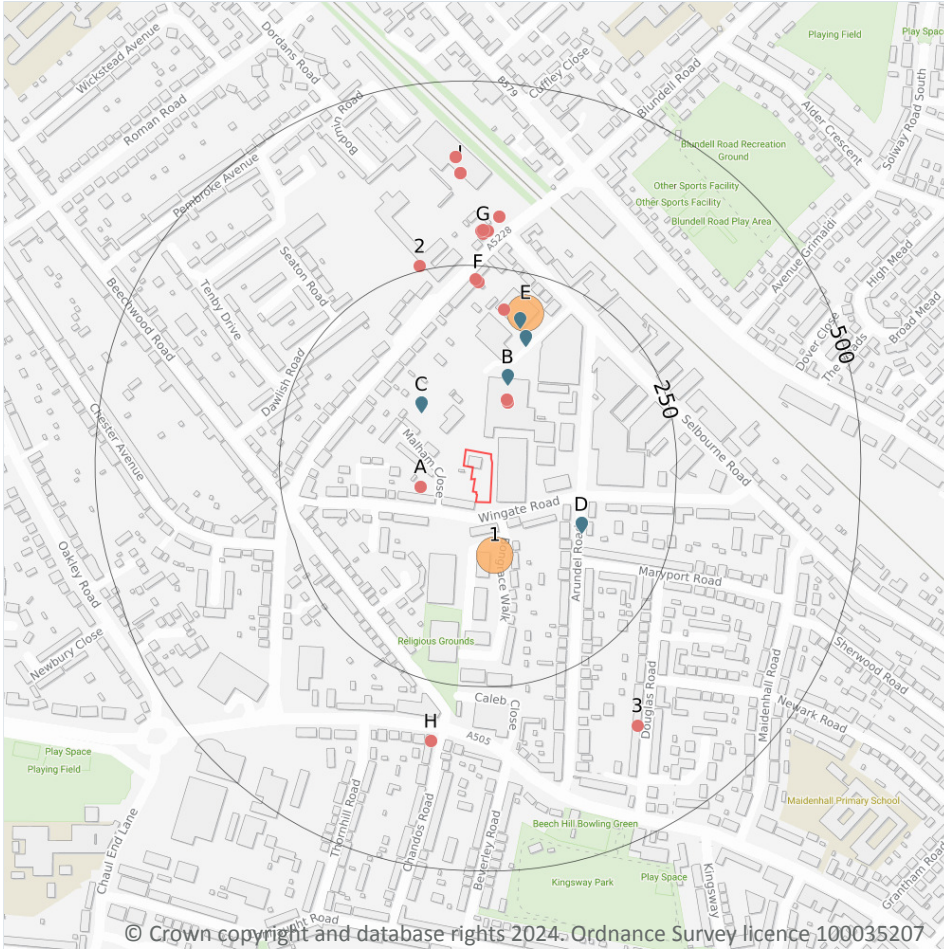


ID	Location	Land Use	Date	Group ID
T	405m SW	Garage	1993	72570
V	430m SW	Garage	1966	71389
V	431m SW	Garage	1986	71389
V	431m SW	Garage	1993	71389
V	431m SW	Garage	1965	69603
V	476m SW	Garage	1974	71216
V	476m SW	Garage	1966	71389
V	477m SW	Garage	1993	71389
AB	478m SE	Garage	1965	71298
AB	478m SE	Garage	1995	71298
AB	481m SE	Garage	1990	72573
AB	481m SE	Garage	1979	72573
AB	482m SE	Garage	1965	72573

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

2

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

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

ID	Location	Address	Further Details	Date
1	46m S	Site Address: Wingate Road, LUTON, Bedfordshire, LU4 8PP	Type of Site: Waste Transfer Station (Extension) Planning application reference: N/A Description: Scheme comprises extension to waste transfer station. Construction - block, brick walls; steel cladding roof; double glazed windows; timber doors; fire alarm system fittings. An application for Detailed Planning permission was granted by Luton B.C. Plee note the addition of the roofing and cladding sub-contractors. Data source: Historic Planning Application Data Type: Point	14/11/2005
E	171m N	Site Address: 1 Covent Garden Close, LUTON, Bedfordshire, LU4 8QB	Type of Site: Recycling Centre (Extension) Planning application reference: 08/00278/FUL Description: Scheme comprises construction of rear extension and conveyors to waste recycling centre. An application (ref: 08/00278/FUL) for detailed planning permission was granted by Luton B.C. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-

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



3.6 Licensed waste sites

Records within 500m

12

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		
C	85m NW	Site Name: John Crowley Site Address: Lowery Ltd, Land/ Premises At, Covent Garden Close, Luton, Bedfordshire, LU4 8QB Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JOH004 EPR reference: EA/EPR/FP3696LX/S002 Operator: Volkerhighways Crowley Limited Waste Management licence No: 80479 Annual Tonnage: 0	Issue Date: 31/03/1999 Effective Date: 10/08/2006 Modified: - Surrendered Date: Dec 2 2010 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
C	85m NW	Site Name: John Crowley Site Address: Land/ Premises At, Covent Garden Close, Luton, Bedfordshire, LU4 8QB Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 657865 EPR reference: EA/EPR/FP3696LX Operator: Volker Highways Crowley Limited Waste Management licence No: 80479 Annual Tonnage: 0	Issue Date: 31/03/1999 Effective Date: 31/03/1999 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
B	106m N	Site Name: F & R Cawley Ltd Site Address: Jonathan Cawley, 1, Covent Garden Close, Luton, Beds, LU4 8QB Correspondence Address: 1, Covent Garden Close, Luton, Beds, LU4 8QB	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAW004 EPR reference: - Operator: F & R Cawley Limited Waste Management licence No: 80461 Annual Tonnage: 0	Issue Date: 24/04/1997 Effective Date: 29/06/2002 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
D	126m SE	Site Name: Wingate Road, Luton Site Address: F & R Cawley Ltd, 62, Wingate Road, Luton, Beds, LU4 8DZ Correspondence Address: F & R Cawley Ltd, 1, Covent Garden Close, Luton, Beds, LU4 8QB	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAW001 EPR reference: - Operator: F & R Cawley Limited Waste Management licence No: 80407 Annual Tonnage: 0	Issue Date: 27/09/1978 Effective Date: - Modified: - Surrendered Date: 18/05/1998 Expiry Date: - Cancelled Date: - Status: Surrendered
D	126m SE	Site Name: Wingate Road, Luton Site Address: F & R Cawley Ltd, 62, Wingate Road, Luton, Beds, LU4 8DZ Correspondence Address: F & R Cawley Ltd, 1, Covent Garden Close, Luton, Beds, LU4 8QB	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CAW001 EPR reference: - Operator: F & R Cawley Ltd Waste Management licence No: 80407 Annual Tonnage: 0	Issue Date: 27/09/1978 Effective Date: - Modified: - Surrendered Date: 18/05/1998 Expiry Date: - Cancelled Date: - Status: Surrendered
D	126m SE	Site Name: Wingate Road, Luton Site Address: F & R Cawley Ltd, 62, Wingate Road, Luton, Beds, LU4 8DZ Correspondence Address: F & R Cawley Ltd, 1, Covent Garden Close, Luton, Beds, LU4 8QB	Type of Site: Household, Commercial & Industrial Waste T Stn Size: Unknown Environmental Permitting Regulations (Waste) Licence Number: CAW001 EPR reference: - Operator: F & R Cawley Limited Waste Management licence No: 80407 Annual Tonnage: 0	Issue Date: 27/09/1978 Effective Date: - Modified: - Surrendered Date: 18/05/1998 Expiry Date: - Cancelled Date: - Status: Surrendered
D	126m SE	Site Name: Wingate Road, Luton Site Address: F & R Cawley Ltd, 62, Wingate Road, Luton, Bedfordshire, LU4 8DZ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: CAW001 EPR reference: EA/EPR/QP3091NY/S002 Operator: F & R Cawley Ltd Waste Management licence No: 80407 Annual Tonnage: 30000	Issue Date: 27/09/1978 Effective Date: - Modified: - Surrendered Date: May 18 1998 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered



ID	Location	Details		
D	126m SE	Site Name: Wingate Road, Luton Site Address: 62, Wingate Road, Luton, Bedfordshire, LU4 8DZ Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 633561 EPR reference: EA/EPR/QP3091NY Operator: F & R Cawley Limited Waste Management licence No: 80407 Annual Tonnage: 30000	Issue Date: 27/09/1978 Effective Date: 27/09/1978 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Surrendered
E	163m N	Site Name: Morricom Ltd, Luton Site Address: Lowery Ltd, Covent Garden Close, Luton, Beds, LU4 8QB Correspondence Address: Fiboard House, 5, Oakleigh Gardens, Whetstone, London, N20 9AB	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: MOR004 EPR reference: - Operator: Morricom Ltd Waste Management licence No: 80479 Annual Tonnage: 0	Issue Date: 31/03/1999 Effective Date: 10/02/2005 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
E	163m N	Site Name: Lowery Ltd, Luton Site Address: Lowery Ltd, Covent Garden Close, Luton, Beds, LU4 8QB Correspondence Address: Lowery Ltd, 5, Victory Way, Southall Lane, Heston, Middx, TW5 9NN	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: LOW001 EPR reference: - Operator: Lowery Ltd Waste Management licence No: 80479 Annual Tonnage: 0	Issue Date: 31/03/1999 Effective Date: - Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued



ID	Location	Details		
E	163m N	Site Name: John Crowley, Luton Site Address: Lowery Ltd, Covent Garden Close, Luton, Beds, LU4 8QB Correspondence Address: Clock House, 1, Imperial Street, London, E3 3EA	Type of Site: Household, Commercial & Industrial Waste T Stn Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: JOH004 EPR reference: - Operator: John Crowley (Maidstone) Limited Waste Management licence No: 80479 Annual Tonnage: 0	Issue Date: 31/03/1999 Effective Date: 10/08/2006 Modified: - Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Transferred
E	185m N	Site Name: 1 Convent Garden Close Site Address: 1, Covent Garden Close, Beds, Luton, Bedfordshire, LU4 8QB Correspondence Address: -	Type of Site: Household, Commercial & Industrial Waste T Stn Size: >= 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: 653559 EPR reference: EA/EPR/MP3397NF Operator: F & R Cawley Limited Waste Management licence No: 80461 Annual Tonnage: 143000	Issue Date: 24/04/1997 Effective Date: 24/04/1997 Modified: 24/04/1997 Surrendered Date: - Expiry Date: - Cancelled Date: - Status: Issued

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

3.7 Waste exemptions

Records within 500m	34
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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
A	66m W	Unit 2 61-71 Wingate Road LUTON LU4 8PP	EPR/LE5181XG /A002	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
A	66m W	Unit 2 61-71 Wingate Road LUTON LU4 8PP	EPR/LE5181XG /A002	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place



ID	Location	Site	Reference	Category	Sub-Category	Description
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX305156	Using waste exemption	Not on a farm	Spreading of plant matter to confer benefit
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX305156	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX305156	Treating waste exemption	Not on a farm	Treatment of waste toner cartridges by sorting, dismantling, cleaning or refilling
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX309174	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX305156	Treating waste exemption	Not on a farm	Screening and blending of waste
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX305156	Treating waste exemption	Not on a farm	Sorting mixed waste
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX305156	Treating waste exemption	Not on a farm	Manual treatment of waste
B	73m N	1, COVENT GARDEN CLOSE, LUTON, LU4 8QB	WEX172482	Storing waste exemption	Not on a farm	Storage of waste in secure containers
B	76m N	1 Covent Garden Close, 1 COVENT GARDEN CLOSE, LUTON, LU4 8QB	EXP/VP3983PB	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
B	76m N	1 Covent Garden Close, Luton, LU4 8QB	EA/EPR/VP3983PB/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
E	196m N	1 Covent Garden Close LUTON LU4 8QB	EPR/RF0004ND/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
F	227m N	F & R Cawley Ltd, 185 - 189 Waller Avenue, Luton, LU4 9RS	WEX128008	Storing waste exemption	Not on a farm	Storage of waste in secure containers
F	227m N	F & R Cawley Ltd, 185 - 189 Waller Avenue, Luton, LU4 9RS	WEX128008	Storing waste exemption	Not on a farm	Storage of waste in a secure place
F	230m N	C/O Cawleys, 185-189 Waller Avenue, Luton, LU4 9RS	WEX106565	Storing waste exemption	Not on a farm	Storage of waste in a secure place
2	256m N	Phoenix House 189 Waller Avenue Luton Luton LU4 9RS	EPR/RF0201ZX/A001	Treating waste exemption	Non-Agricultural Waste Only	Preparatory treatments (baling, sorting, shredding etc)



ID	Location	Site	Reference	Category	Sub-Category	Description
G	293m N	185, WALLER AVENUE, LUTON, LU4 9RS	WEX148301	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
G	297m N	185 Waller Avenue, Luton, Bedfordshire, LU4 9RS	EA/EPR/VP385 2RD/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
G	297m N	185-189 Waller Avenue, Luton, LU4 9RS	EA/EPR/VP395 9NK/A001	Treating waste exemption	Not on a farm	Repair or refurbishment of WEEE
G	298m N	185 Waller Avenue Luton Bedfordshire LU4 9RS	EA/EPR/VP374 3CM/A001	Treating waste exemption	Non-Agricultural Waste Only	Repair or refurbishment of WEEE
G	319m N	185 Waller Avenue LUTON LU4 9RS	EPR/VF0100X M/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in secure containers
G	319m N	185 Waller Avenue LUTON LU4 9RS	EPR/VF0100X M/A001	Storing waste exemption	Non-Agricultural Waste Only	Storage of waste in a secure place
H	331m S	453, DUNSTABLE ROAD, LUTON, LU4 8DE	WEX358274	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
H	331m S	453, DUNSTABLE ROAD, LUTON, LU4 8DE	WEX230521	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
3	363m SE	13 Douglas Road Luton Luton LU4 8EB	EPR/GE5940N S/A001	Using waste exemption	Non-Agricultural Waste Only	Use of depolluted end-of-life vehicles for vehicle parts
I	375m N	-	WEX279467	Treating waste exemption	Not on a farm	Mechanical treatment of end-of-life tyres
I	375m N	-	WEX279467	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	375m N	-	WEX279467	Treating waste exemption	Not on a farm	Manual treatment of waste
I	375m N	-	WEX279467	Treating waste exemption	Not on a farm	Recovery of scrap metal
I	375m N	-	WEX279467	Treating waste exemption	Not on a farm	Sorting mixed waste
I	396m N	PHOENIX HOUSE, 189, WALLER AVENUE, LUTON, LU4 9RS	WEX274645	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)
I	396m N	PHOENIX HOUSE, 189, WALLER AVENUE, LUTON, LU4 9RS	WEX274645	Treating waste exemption	Not on a farm	Recovery of scrap metal

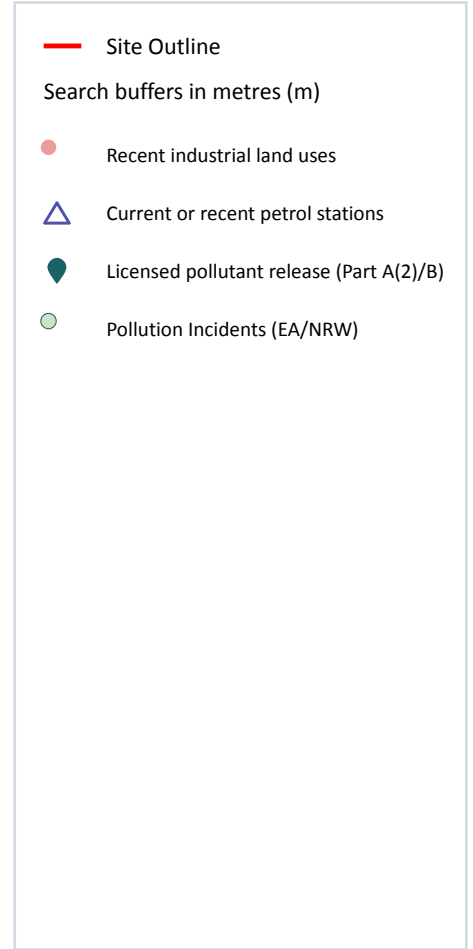
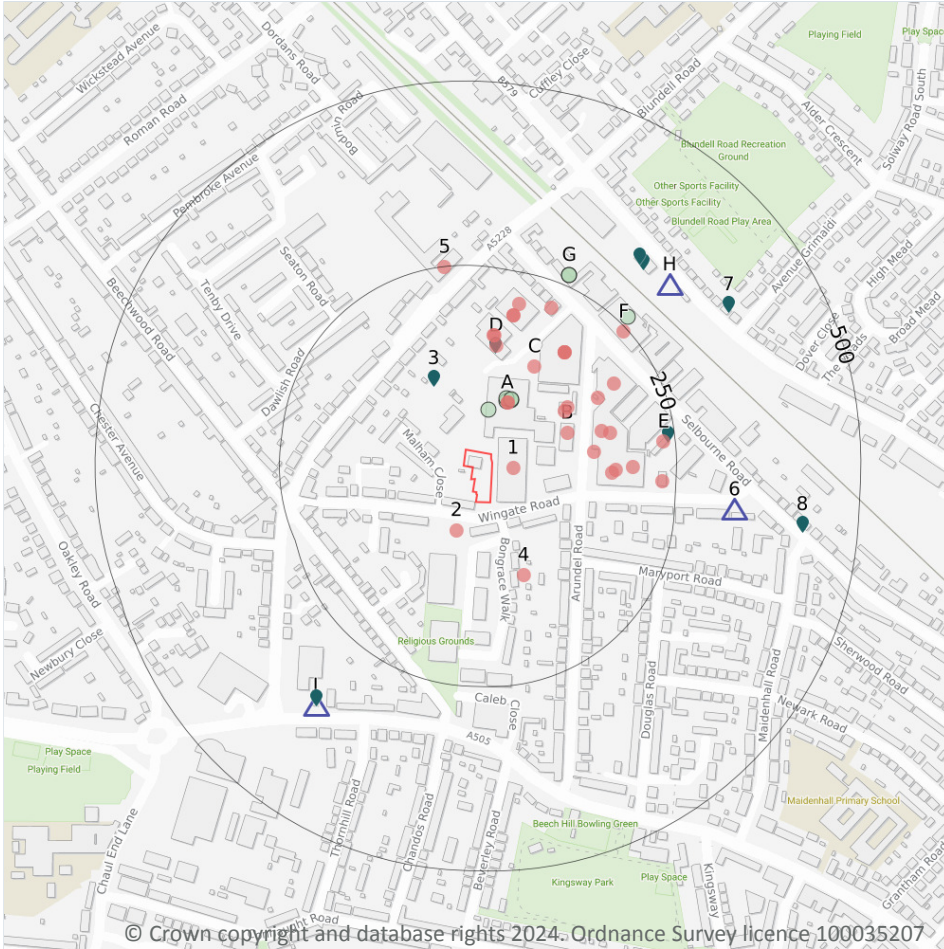


ID	Location	Site	Reference	Category	Sub-Category	Description
I	396m N	PHOENIX HOUSE, 189, WALLER AVENUE, LUTON, LU4 9RS	WEX241001	Treating waste exemption	Not on a farm	Preparatory treatments (baling, sorting, shredding etc)

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

31

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on [page 39](#) >

ID	Location	Company	Address	Activity	Category
1	29m E	Automotive Vehicle Care Ltd	61-71, Wingate Road, Luton, Bedfordshire, LU4 8PP	Vehicle Repair, Testing and Servicing	Repair and Servicing
2	46m SW	Electricity Sub Station	Bedfordshire, LU4	Electrical Features	Infrastructure and Facilities

ID	Location	Company	Address	Activity	Category
A	73m N	Cawleys Ltd	1, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Waste Storage, Processing and Disposal	Infrastructure and Facilities
A	73m N	Cawley Tankers Ltd	1, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Recycling, Reclamation and Disposal	Recycling Services
B	107m NE	Works	Bedfordshire, LU4	Unspecified Works Or Factories	Industrial Features
4	109m SE	Tank	Bedfordshire, LU4	Tanks (Generic)	Industrial Features
B	115m NE	Medina Foodservice	Dairy Crest, 77-79, Arundel Road, Luton, Bedfordshire, LU4 8DY	Giftware	Consumer Products
B	122m NE	A P Dairies	Dairy Crest 77-79, Arundel Road, Luton, Bedfordshire, LU4 8DY	Dairy Farming	Farming
C	133m NE	Electricity Sub Station	Bedfordshire, LU4	Electrical Features	Infrastructure and Facilities
B	138m E	Electricity Sub Station	Bedfordshire, LU4	Electrical Features	Infrastructure and Facilities
D	146m N	Solus Accident Repair Centre	Solus Arc, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	153m E	G T Tyres Ltd	66-80, Arundel Road, Luton, Bedfordshire, LU4 8DY	Vehicle Parts and Accessories	Motoring
D	159m N	Works	Bedfordshire, LU4	Unspecified Works Or Factories	Industrial Features
D	159m N	Autohaus	Solus Arc, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	163m E	Works	Bedfordshire, LU4	Unspecified Works Or Factories	Industrial Features
B	164m NE	Electricity Sub Station	Bedfordshire, LU4	Electrical Features	Infrastructure and Facilities
B	164m E	Autosave Ltd	66-80, Arundel Road, Luton, Bedfordshire, LU4 8DY	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	167m E	Frank Brown & Son Luton Ltd	87-105, Wingate Road, Luton, Bedfordshire, LU4 8QA	Aeroplanes	Industrial Products
C	170m NE	Anwar Tyres	81, Arundel Road, Luton, Bedfordshire, LU4 8DY	Vehicle Parts and Accessories	Motoring



ID	Location	Company	Address	Activity	Category
C	170m NE	Ranger Tyres Ltd	81, Arundel Road, Luton, Bedfordshire, LU4 8DY	Vehicle Parts and Accessories	Motoring
C	170m NE	Ranger Tyres Ltd	81, Arundel Road, Luton, Bedfordshire, LU4 8DY	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	191m E	Works	Bedfordshire, LU4	Unspecified Works Or Factories	Industrial Features
D	191m N	Autohaus Luton	Auto Haus 4, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	191m N	Enterprise Rent-A-Car	Auto Haus 4, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Vehicle Hire and Rental	Hire Services
B	192m NE	Fast Track Autos Ltd	243-245, Selbourne Road, Luton, Bedfordshire, LU4 8NP	Vehicle Repair, Testing and Servicing	Repair and Servicing
D	208m N	M Lily	2, Covent Garden Close, Luton, Bedfordshire, LU4 8QB	Beds and Bedding	Consumer Products
D	215m NE	Technical Brakes	261, Selbourne Road, Luton, Bedfordshire, LU4 8PF	Vehicle Repair, Testing and Servicing	Repair and Servicing
B	231m E	Amber Leisure	107-111, Wingate Road, Luton, Bedfordshire, LU4 8PZ	Sports and Leisure Equipment Repair	Repair and Servicing
E	234m E	Cemex Luton Concrete Plant Mortar Screed Sales	Selbourne Road, -, Luton, Bedfordshire, LU4 8LS	Concrete Products	Industrial Products
F	245m NE	Butterfield Natural Stone	340-344, Selbourne Road, Luton, Bedfordshire, LU4 8NU	Stone Quarrying and Preparation	Extractive Industries
5	249m N	B T Fleet	Telephone Engineering Centre 177, Waller Avenue, Luton, Bedfordshire, LU4 9RT	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

3

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on [page 39 >](#)



ID	Location	Company	Address	LPG	Status
6	331m E	OBSOLETE	116-124, Wingate Road, Luton, Luton, LU4 8PY	Not Applicable	Obsolete
H	334m NE	SHELL	Leagrave Road, Luton, Luton, LU3 1RJ	No	Open
I	352m SW	ESSO	518-530, Dunstable Road, Luton, Luton, LU4 8DL	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 **8**

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 39 >](#)

ID	Location	Address	Details	
3	106m NW	Hartwell Ford, Covent Garden Close	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
D	146m N	Solus HCN, Covent Garden Close, Luton, LU4 8QB	Process: Respraying of Road Vehicles Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
E	240m E	Cemex UK Materials Ltd, 233-235 Selbourne Road, LU4 8NP	Process: Use of Bulk Cement Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
H	332m NE	Leagrave Service Station, 125 Leagrave Road, LU3 1RJ	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
H	335m NE	Total Leagrave Service Station, 125 Leagrave Road, LU3 1RJ	Process: Unloading of Petrol into Storage at Service Stations Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
I	342m SW	Empire Service Station, 518-530 Dunstable Road, LU4 8DL	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
7	380m NE	Tarmac Topmix, Limbury Sidings, Leagrave Rd, Luton, LU3 1RJ	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices
8	424m E	Rmc, Selbourne Rd, Luton, LU4 8LS	Process: Other Mineral Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notices Date of enforcement: No Enforcement Notices Comment: No Enforcement Notices

This data is sourced from Local Authority records.

4.12 Radioactive Substance Authorisations

Records within 500m

0

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

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



4.13 Licensed Discharges to controlled waters

Records within 500m 0

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

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

4.14 Pollutant release to surface waters (Red List)

Records within 500m 0

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

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

4.15 Pollutant release to public sewer

Records within 500m 0

Discharges of Special Category Effluents to the public sewer.

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

4.16 List 1 Dangerous Substances

Records within 500m 0

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

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

4.17 List 2 Dangerous Substances

Records within 500m 0

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

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

4.18 Pollution Incidents (EA/NRW)

Records within 500m

8

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 39](#) >

ID	Location	Details	
A	59m N	Incident Date: 01/07/2014 Incident Identification: 1251164 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	75m N	Incident Date: 07/10/2013 Incident Identification: 1165495 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	77m NE	Incident Date: 04/09/2013 Incident Identification: 1155631 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	78m N	Incident Date: 02/08/2013 Incident Identification: 1142634 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
A	79m N	Incident Date: 02/07/2013 Incident Identification: 1127851 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
F	263m NE	Incident Date: 11/03/2002 Incident Identification: 63113 Pollutant: Other Pollutant Pollutant Description: Other	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 3 (Minor)
G	265m NE	Incident Date: 06/02/2014 Incident Identification: 1202276 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)
G	265m NE	Incident Date: 02/10/2014 Incident Identification: 1283544 Pollutant: Atmospheric Pollutants and Effects Pollutant Description: Other Odour	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 2 (Significant)

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 Geology (basic)

5.1 Superficial geology (625k)

Records within 500m

1

Generalised geology data based on BGS's published poster maps of the UK (North and South). Superficial related themes digitised from 1977 first edition Quaternary map (North and South).

Location	Lex code	Description	Rock type
On site	RTDU-SAGR	RIVER TERRACE DEPOSITS (UNDIFFERENTIATED)	SAND AND GRAVEL

This data is sourced from the British Geological Survey.

5.2 Bedrock geology (625k)

Records within 500m

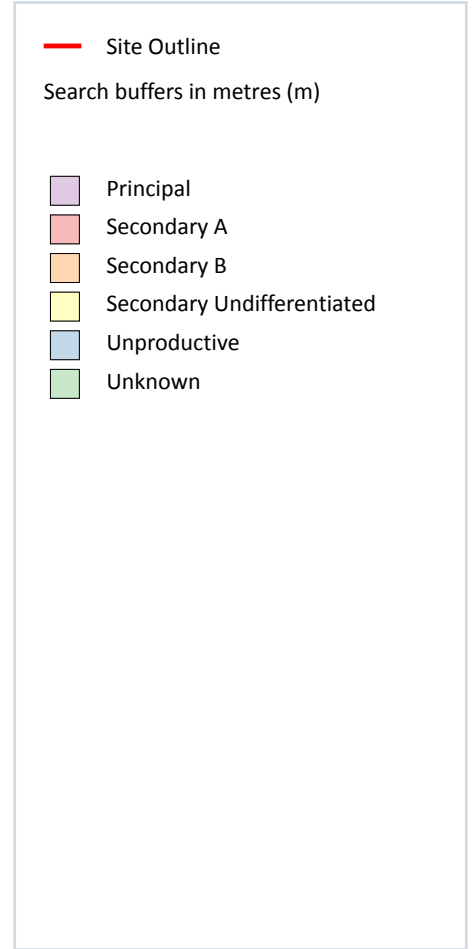
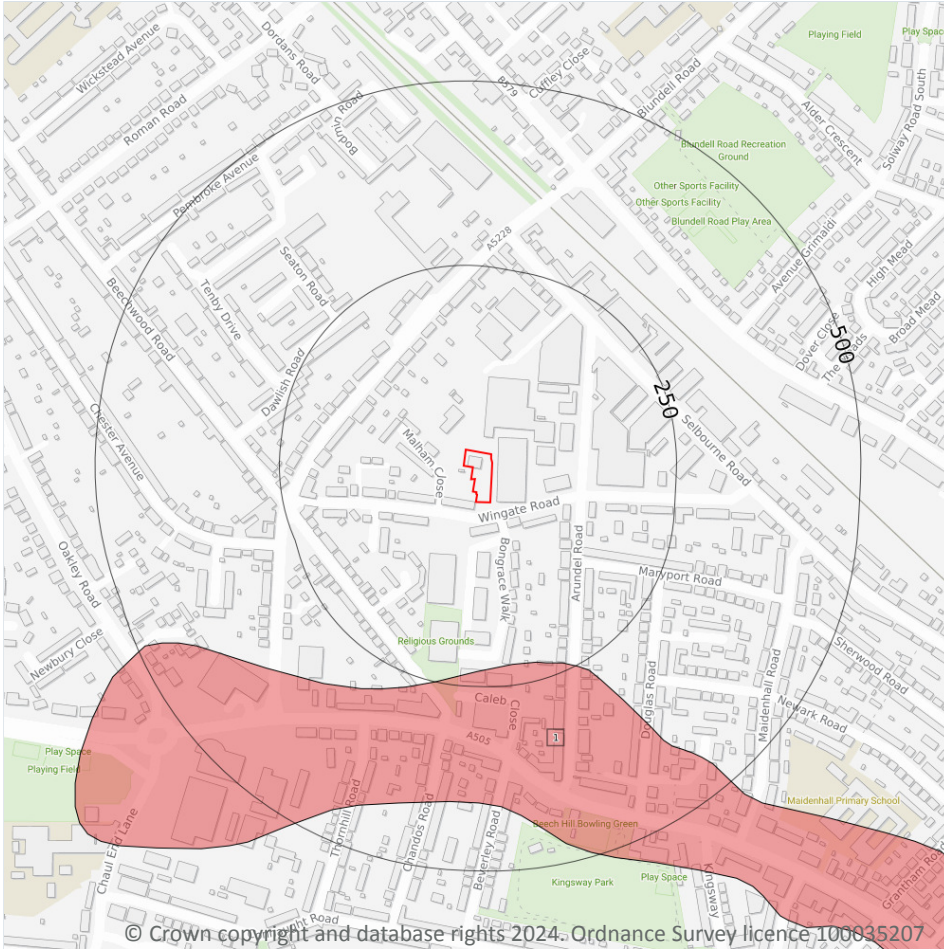
2

Generalised geology data based on BGS's published poster maps of the UK (North and South). Bedrock related themes created through generalisation of 1:50,000 data.

Location	Lex code	Description	Rock type
On site	WHCK-CHLK	WHITE CHALK SUBGROUP	CHALK
459m NW	GYCK-CHLK	GREY CHALK SUBGROUP	CHALK

This data is sourced from the British Geological Survey.

6 Hydrogeology - Superficial aquifer



6.1 Superficial aquifer

Records within 500m

1

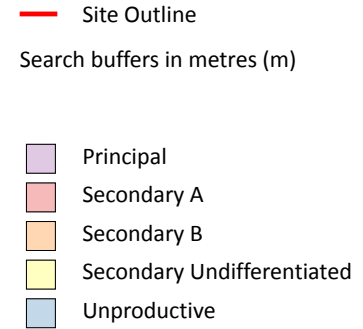
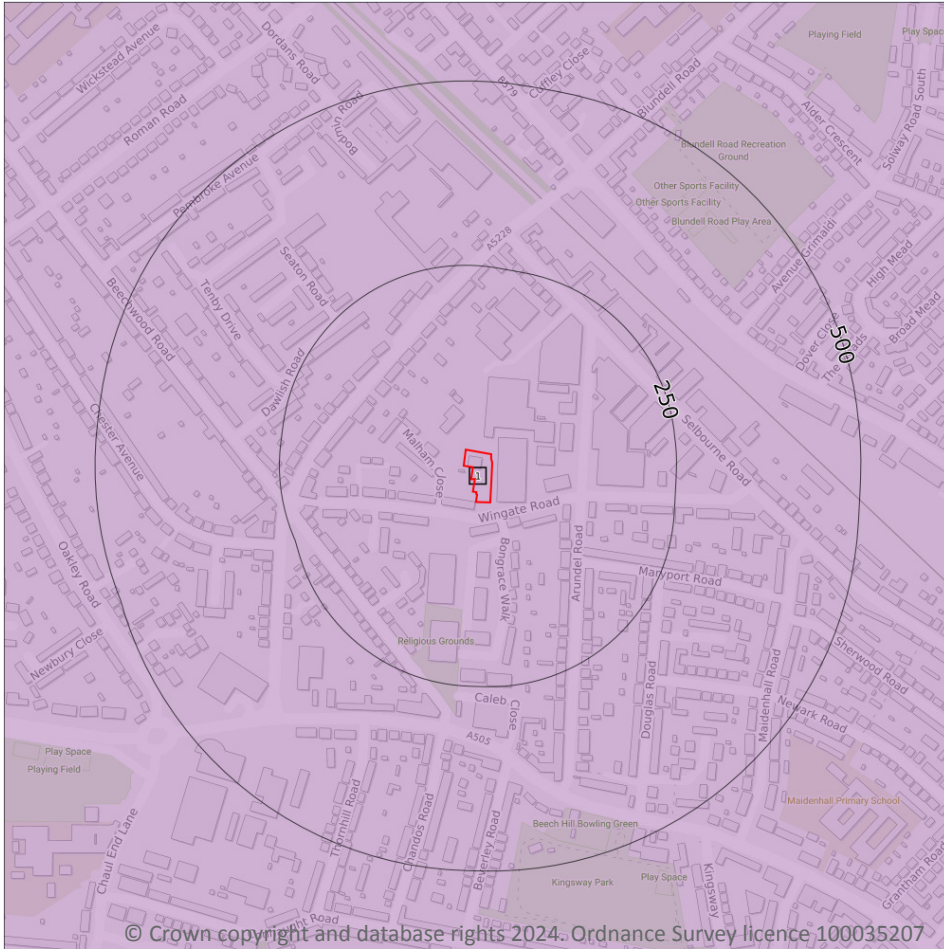
Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on [page 49](#) >

ID	Location	Designation	Description
1	222m S	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers

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

Bedrock aquifer



6.2 Bedrock aquifer

Records within 500m

1

Aquifer status of groundwater held within bedrock geology.

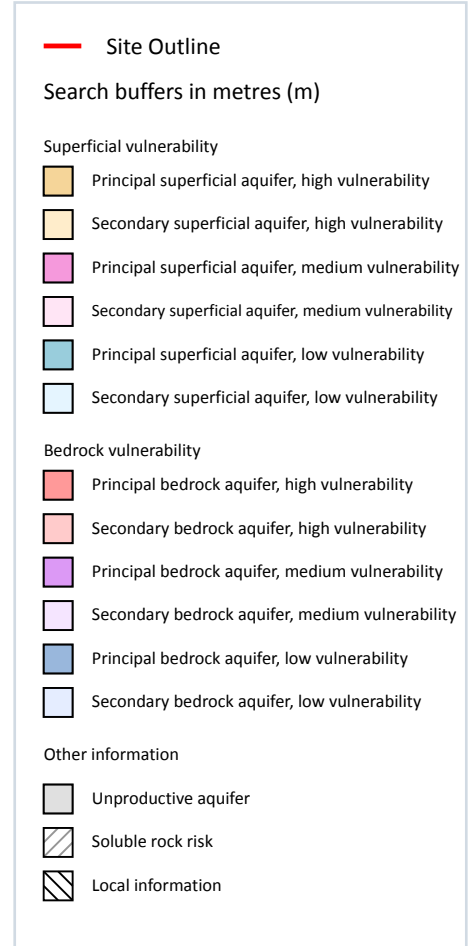
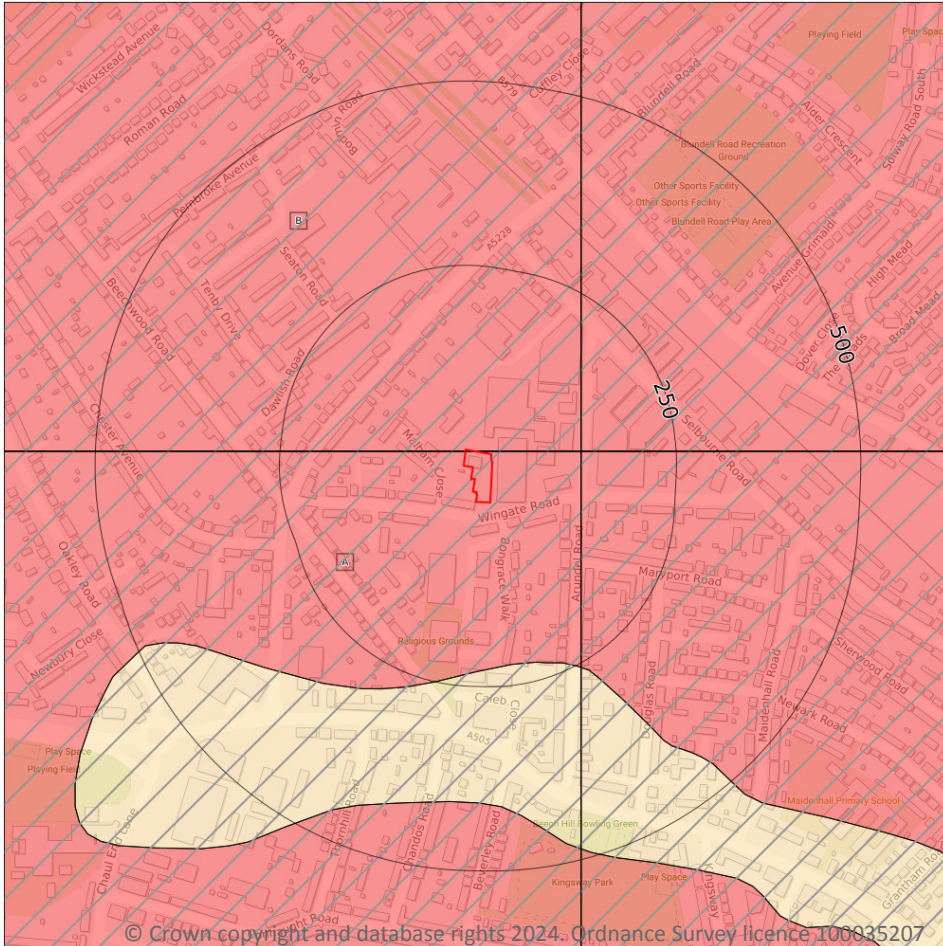
Features are displayed on the Bedrock aquifer map on [page 50 >](#)

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

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



Groundwater vulnerability



6.3 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 51](#) >

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
A	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: <3m Patchiness value: <90% Recharge potential: No Data	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures
B	On site	Summary Classification: Principal bedrock aquifer - High Vulnerability Combined classification: Productive Bedrock Aquifer, No Superficial Aquifer	Leaching class: High Infiltration value: >70% Dilution value: <300mm/year	Vulnerability: - Aquifer type: - Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: High Aquifer type: Principal Flow mechanism: Well connected fractures

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

6.4 Groundwater vulnerability- soluble rock risk

Records on site	2
------------------------	----------

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

ID	Maximum soluble risk category	Percentage of grid square covered by maximum risk
A	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	14.000000000000002%
B	Significant soluble rocks are likely to be present. Problems unlikely except with considerable surface or subsurface water flow.	15.0%

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

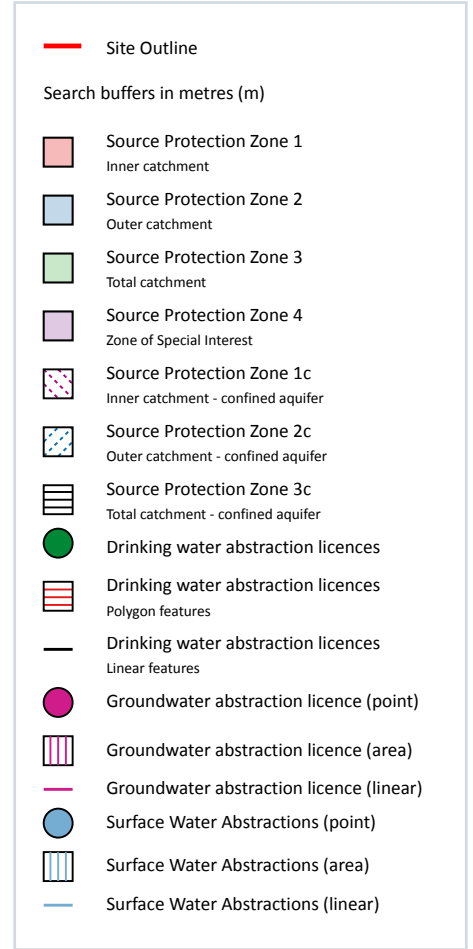
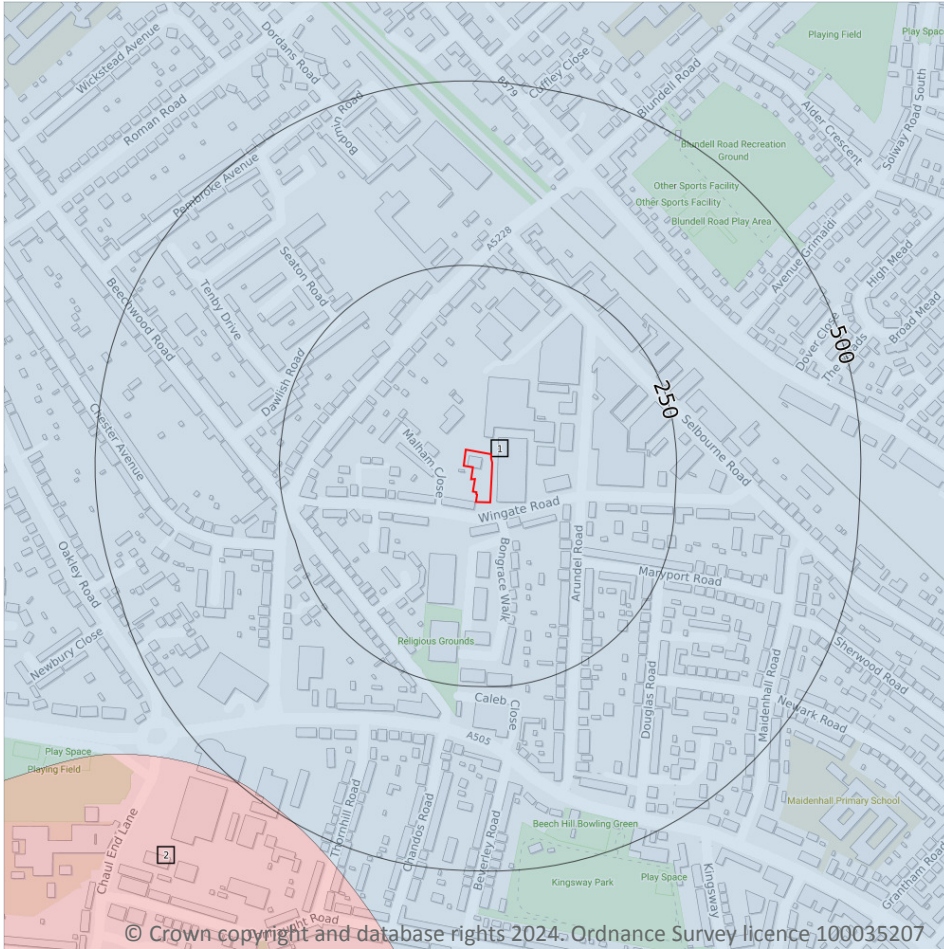
6.5 Groundwater vulnerability- local information

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

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

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

Abstractions and Source Protection Zones



6.6 Groundwater abstractions

Records within 2000m

8

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 53](#) >

ID	Location	Details	
-	1280m S	Status: Active Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION N(LGS) - C Data Type: Point Name: Affinity Water Limited Easting: 506443 Northing: 221720	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2728 Original Application No: NPS/WR/020988 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1280m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) BORHOLE Data Type: Point Name: Affinity Water Limited Easting: 506443 Northing: 221720	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1287m S	Status: Active Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) BOREHOLE - B Data Type: Point Name: Affinity Water Limited Easting: 506469 Northing: 221704	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2728 Original Application No: NPS/WR/020988 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1287m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) BOREHOLE Data Type: Point Name: Affinity Water Limited Easting: 506469 Northing: 221704	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1313m S	Status: Active Licence No: 29/38/01/0009 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (CH) Data Type: Point Name: Affinity Water Limited Easting: 506400 Northing: 221700	Annual Volume (m ³): 3484581 Max Daily Volume (m ³): 9546.8 Original Application No: NPS/WR/011805 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -



ID	Location	Details	
-	1362m S	Status: Active Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) - A Data Type: Point Name: Affinity Water Limited Easting: 506461 Northing: 221628	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2728 Original Application No: NPS/WR/020988 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1362m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) Data Type: Point Name: Affinity Water Limited Easting: 506461 Northing: 221628	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1407m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) Data Type: Point Name: Affinity Water Limited Easting: 506400 Northing: 221600	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -

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

6.7 Surface water abstractions

Records within 2000m

0

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.



6.8 Potable abstractions

Records within 2000m

8

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

Features are displayed on the Abstractions and Source Protection Zones map on [page 53 >](#)

ID	Location	Details	
-	1280m S	Status: Active Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION N(LGS) - C Data Type: Point Name: Affinity Water Limited Easting: 506443 Northing: 221720	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2728 Original Application No: NPS/WR/020988 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1280m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) BORHOLE Data Type: Point Name: Affinity Water Limited Easting: 506443 Northing: 221720	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1287m S	Status: Active Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) BOREHOLE - B Data Type: Point Name: Affinity Water Limited Easting: 506469 Northing: 221704	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2728 Original Application No: NPS/WR/020988 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -



ID	Location	Details	
-	1287m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) BOREHOLE Data Type: Point Name: Affinity Water Limited Easting: 506469 Northing: 221704	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1313m S	Status: Active Licence No: 29/38/01/0009 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (CH) Data Type: Point Name: Affinity Water Limited Easting: 506400 Northing: 221700	Annual Volume (m ³): 3484581 Max Daily Volume (m ³): 9546.8 Original Application No: NPS/WR/011805 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -
-	1362m S	Status: Active Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) - A Data Type: Point Name: Affinity Water Limited Easting: 506461 Northing: 221628	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2728 Original Application No: NPS/WR/020988 Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1362m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) Data Type: Point Name: Affinity Water Limited Easting: 506461 Northing: 221628	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 103 Version Start Date: 11/03/2016 Version End Date: -
-	1407m S	Status: Historical Licence No: 29/38/01/0010 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: RUNLEY WOOD PUMPING STATION (LGS) Data Type: Point Name: Affinity Water Limited Easting: 506400 Northing: 221600	Annual Volume (m ³): 995594 Max Daily Volume (m ³): 2727.66 Original Application No: - Original Start Date: 20/01/1966 Expiry Date: - Issue No: 102 Version Start Date: 14/11/2012 Version End Date: -

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



6.9 Source Protection Zones

Records within 500m

2

Source Protection Zones define the sensitivity of an area around a potable abstraction site to contamination. Features are displayed on the Abstractions and Source Protection Zones map on [page 53](#) >

ID	Location	Type	Description
1	On site	2	Outer catchment
2	494m SW	1	Inner catchment

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

6.10 Source Protection Zones (confined aquifer)

Records within 500m

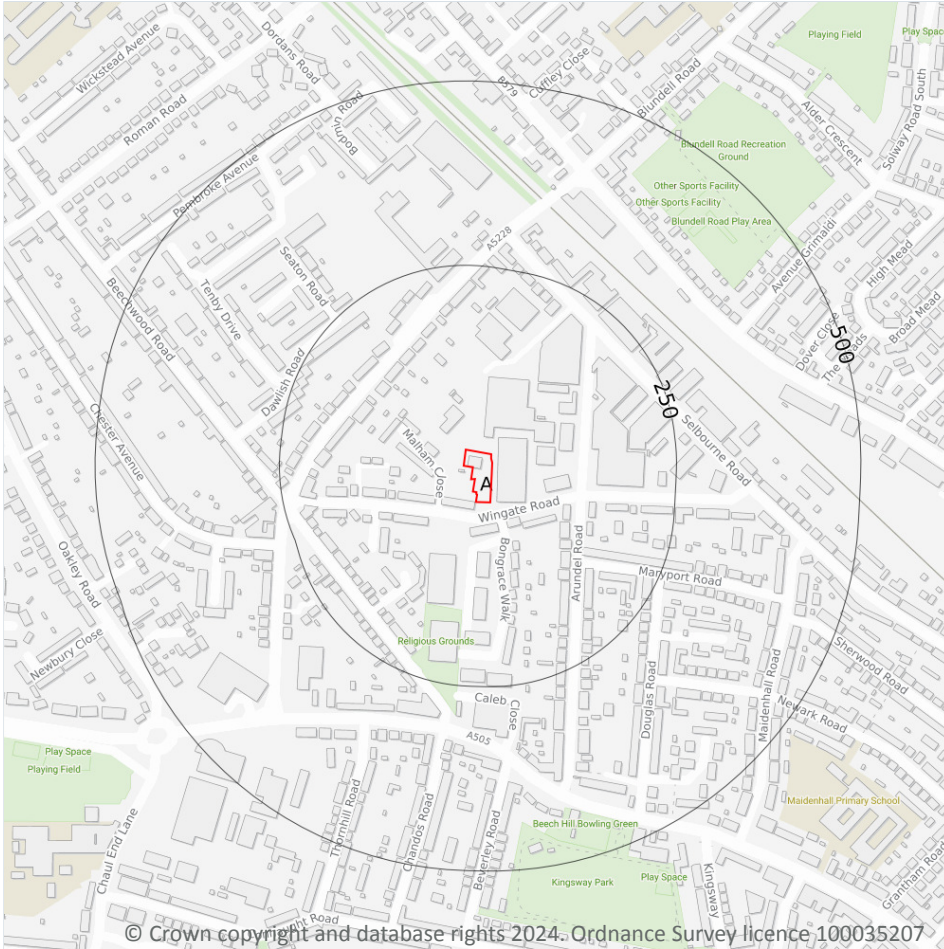
0

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

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



7 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

7.1 Water Network (OS MasterMap)

Records within 250m

0

Detailed water network of Great Britain showing the flow and precise central course of every river, stream, lake and canal.

This data is sourced from the Ordnance Survey.

7.2 Surface water features

Records within 250m

0

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.



This data is sourced from the Ordnance Survey.

7.3 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 59 >](#)

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
A	On site	River	Lee (from Luton to Luton Hoo Lakes)	GB106038033391	Lee Upper	Lee Upper

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

7.4 WFD Surface water bodies

Records identified

1

Surface water bodies under the Directive may be rivers, lakes, estuary or coastal. To achieve the purpose of the Directive, environmental objectives have been set and are reported on for each water body. The progress towards delivery of the objectives is then reported on by the relevant competent authorities at the end of each six-year cycle. The river water body directly associated with the catchment listed in the previous section is detailed below, along with any lake, canal, coastal or artificial water body within 250m of the site. Click on the water body ID in the table to visit the EA Catchment Explorer to find out more about each water body listed.

Features are displayed on the Hydrology map on [page 59 >](#)

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
-	1196m N	River	Lee (from Luton to Luton Hoo Lakes)	GB106038033391 ↗	Bad	Fail	Bad	2019

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



7.5 WFD Groundwater bodies

Records on site	1
------------------------	----------

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

Features are displayed on the Hydrology map on [page 59 >](#)

ID	Location	Name	Water body ID	Overall rating	Chemical rating	Quantitative	Year
A	On site	Upper Lee Chalk	GB40601G602900 ↗	Poor	Poor	Poor	2019

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

8 River and coastal flooding

8.1 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.

8.2 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.

8.3 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.



8.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

8.5 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

8.6 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.

8.7 Flood Zone 3

Records within 50m

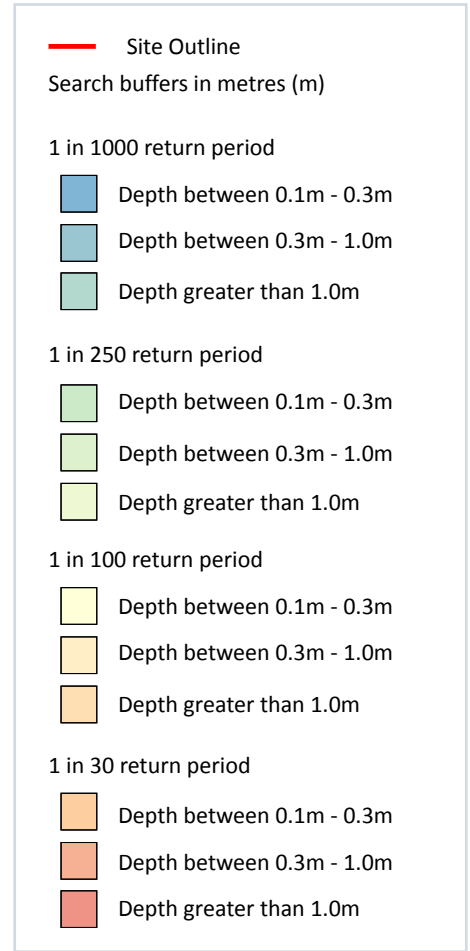
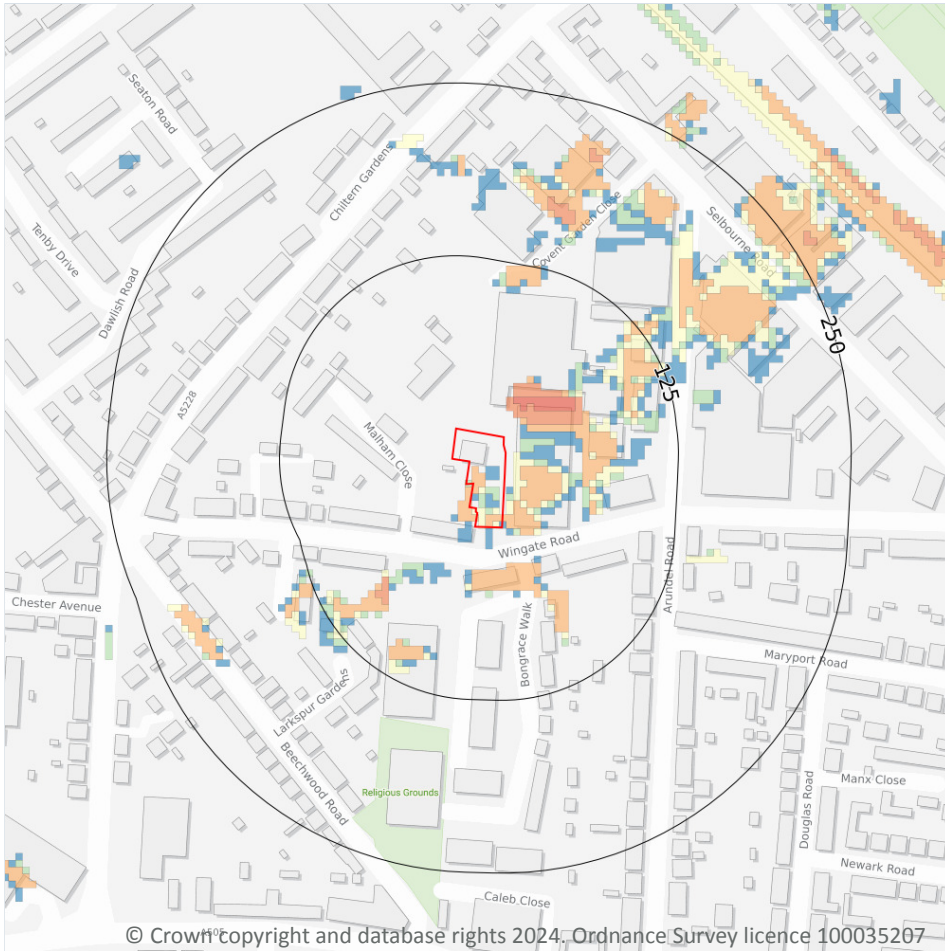
0

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.



9 Surface water flooding



9.1 Surface water flooding

Highest risk on site

1 in 30 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, Greater than 1.0m

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

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

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

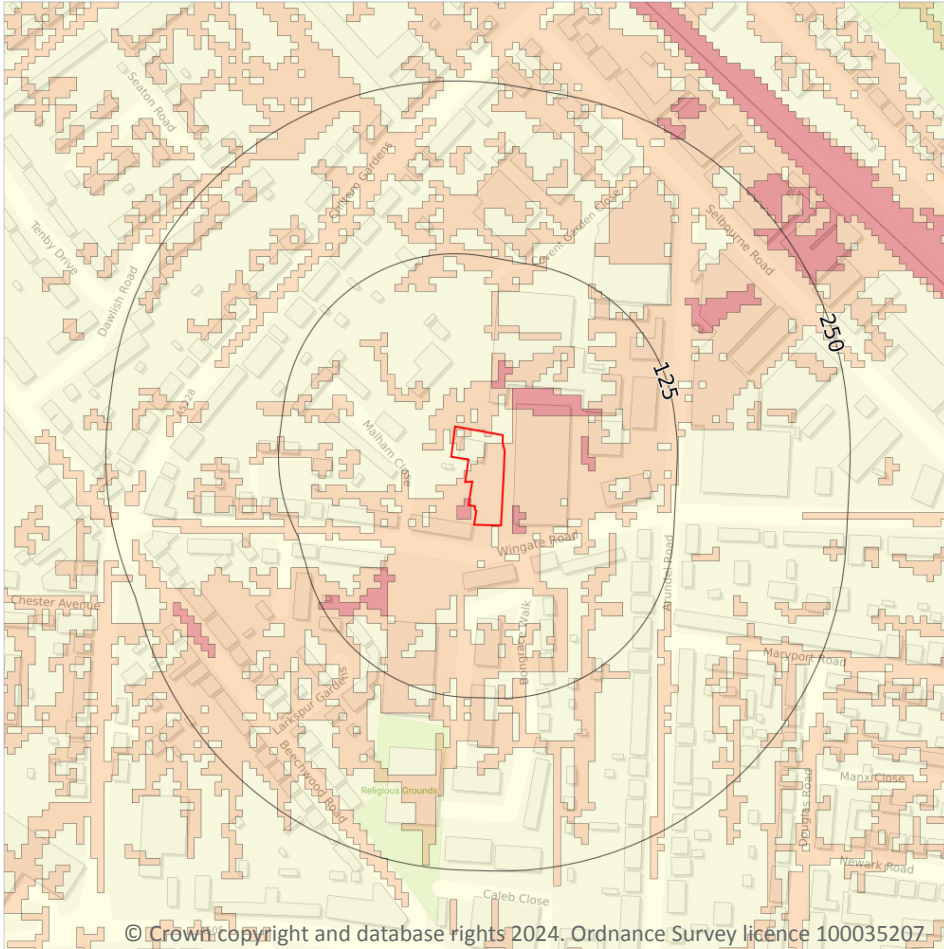
The table below shows the maximum flood depths for a range of return periods for the site.

Return period	Maximum modelled depth
1 in 1000 year	Between 0.1m and 0.3m
1 in 250 year	Between 0.1m and 0.3m
1 in 100 year	Between 0.1m and 0.3m
1 in 30 year	Between 0.1m and 0.3m

This data is sourced from Ambiental Risk Analytics.



10 Groundwater flooding



10.1 Groundwater flooding

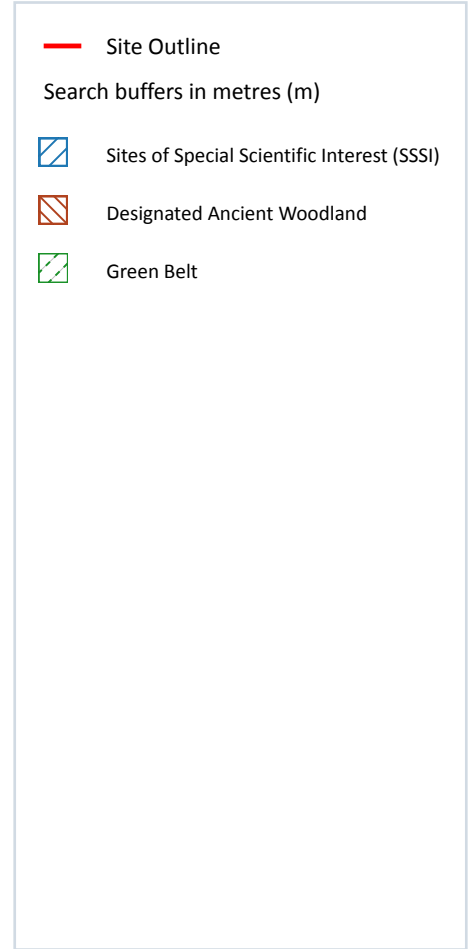
Highest risk on site	High
Highest risk within 50m	High

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

Features are displayed on the Groundwater flooding map on [page 67 >](#)

This data is sourced from Ambiantal Risk Analytics.

11 Environmental designations



11.1 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 68](#) >

ID	Location	Name	Data source
-	1377m S	Dallow Downs and Winsdon Hill	Natural England



ID	Location	Name	Data source
-	1670m S	Dallow Downs and Winsdon Hill	Natural England

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

11.2 Conserved wetland sites (Ramsar sites)

Records within 2000m	0
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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.

11.3 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.

11.4 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.

11.5 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.



11.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

11.7 Designated Ancient Woodland

Records within 2000m

2

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 68 >](#)

ID	Location	Name	Woodland Type
-	1791m S	Badgerdell Wood	Ancient & Semi-Natural Woodland
-	1941m S	Unknown	Ancient & Semi-Natural Woodland

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

11.8 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.

11.9 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.



11.10 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.

11.11 Green Belt

Records within 2000m

1

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

Features are displayed on the Environmental designations map on [page 68](#) >

ID	Location	Name	Local Authority name
1	1365m SW	London	Central Bedfordshire

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

11.12 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.

11.13 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.



11.14 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.

11.15 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.

11.16 Nitrate Vulnerable Zones

Records within 2000m

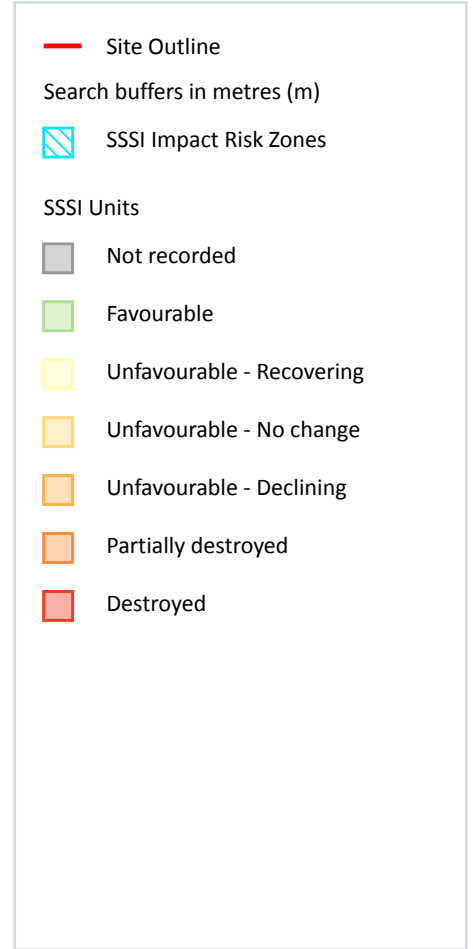
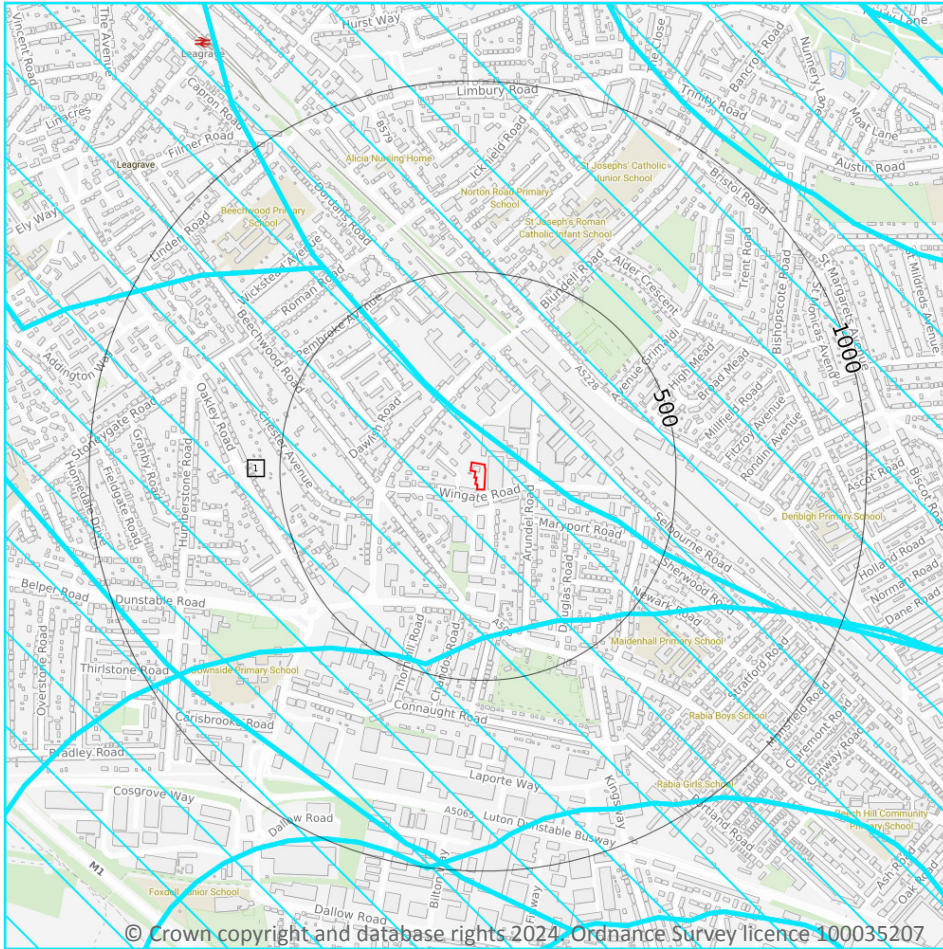
1

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

Location	Name	Type	NVZ ID	Status
On site	LEE NVZ	Surface Water	443	Existing

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

SSSI Impact Zones and Units



11.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on [page 73 >](#)

ID	Location	Type of developments requiring consultation
1	On site	<p>Infrastructure - Airports, helipads and other aviation proposals.</p> <p>Minerals, Oil and Gas - Planning applications for quarries, including: new proposals, Review of Minerals Permissions (ROMP), extensions, variations to conditions etc. Oil & gas exploration/extraction.</p> <p>Residential - Any residential developments with a total net gain in residential units.</p> <p>Rural residential - Any residential developments outside of existing settlements/urban areas with a total net gain in residential units.</p> <p>Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons & digestate stores > 200m², manure stores > 250t).</p> <p>Combustion - General combustion processes >20MW energy input. Incl: energy from waste incineration, other incineration, landfill gas generation plant, pyrolysis/gasification, anaerobic digestion, sewage treatment works, other incineration/ combustion.</p> <p>Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill.</p> <p>Composting - Any composting proposal with more than 75000 tonnes maximum annual operational throughput. Incl: open windrow composting, in-vessel composting, anaerobic digestion, other waste management.</p>

This data is sourced from Natural England.

11.18 SSSI Units

Records within 2000m	2
-----------------------------	----------

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

Features are displayed on the SSSI Impact Zones and Units map on [page 73 >](#)

ID: -

Location: 1377m S

SSSI name: Dallow Downs and Winsdon Hill

Unit name: Dallow Downs And Winsdon Hill

Broad habitat: Calcareous Grassland - Lowland

Condition: Not Recorded

Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG3-5)	Favourable	15/07/2019
Population of RDB plant - Bunium bulbocastanum, Great Pignut	-	-



ID: -
Location: 1670m S
SSSI name: Dallow Downs and Winsdon Hill
Unit name: Dallow Downs And Winsdon Hill
Broad habitat: Calcareous Grassland - Lowland
Condition: Not Recorded
Reportable features:

Feature name	Feature condition	Date of assessment
Lowland calcareous grassland (CG3-5)	Favourable	15/07/2019
Population of RDB plant - Bunium bulbocastanum, Great Pignut	-	-

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

12 Visual and cultural designations

12.1 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.

12.2 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.

12.3 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.

12.4 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.

12.5 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.

12.6 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.

12.7 Registered Parks and Gardens

Records within 250m

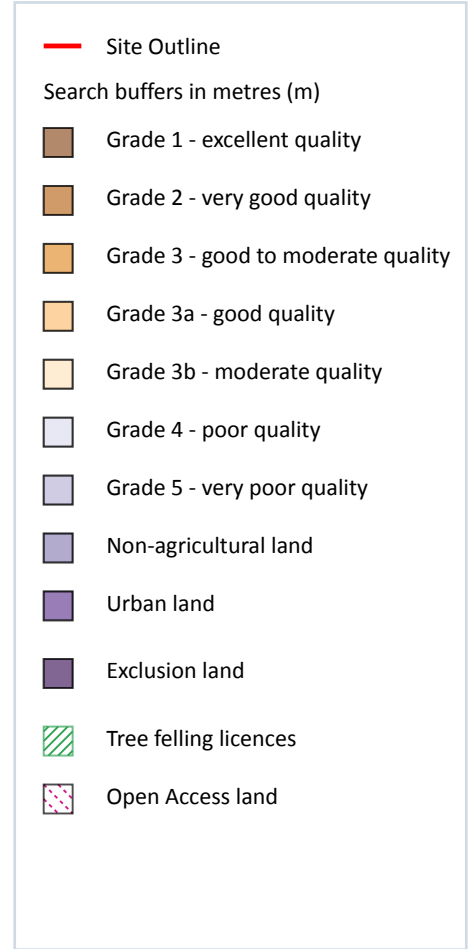
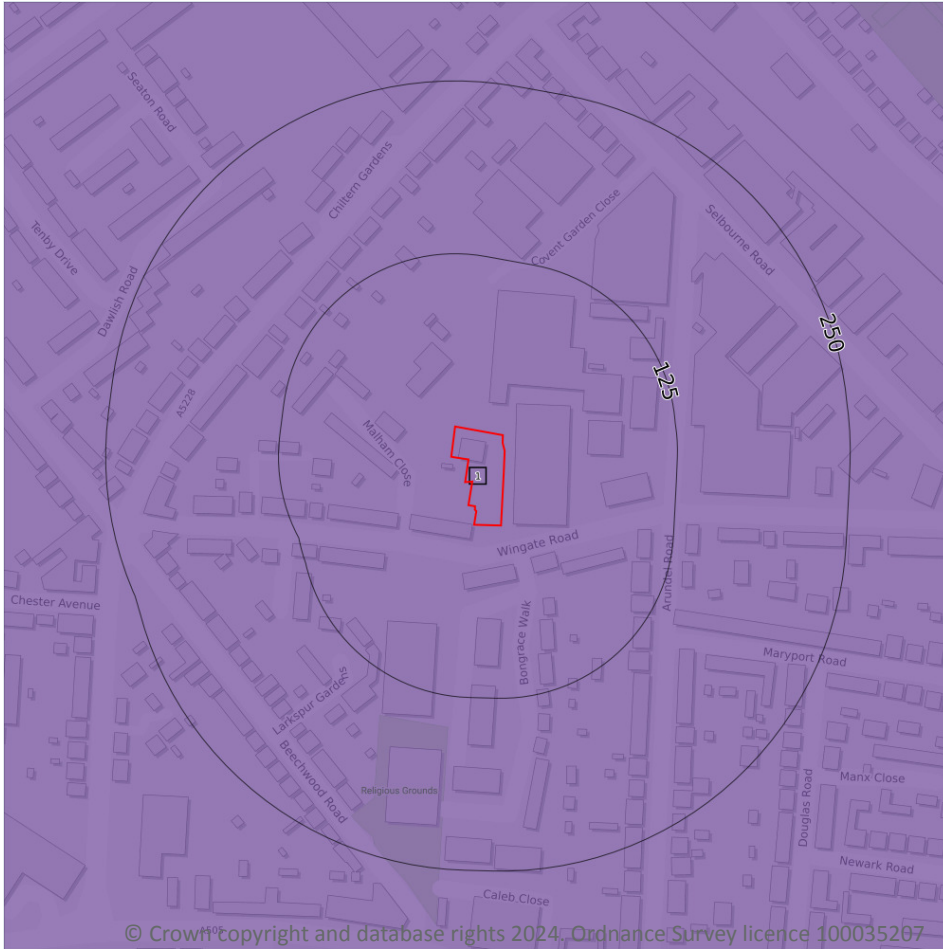
0

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.



13 Agricultural designations



13.1 Agricultural Land Classification

Records within 250m

1

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

Features are displayed on the Agricultural designations map on [page 78](#) >

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.

13.2 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.

13.3 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.

13.4 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.

13.5 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.



14 Habitat designations

14.1 Priority Habitat Inventory

Records within 250m	0
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Habitats of principal importance as named under Natural Environment and Rural Communities Act (2006) Section 41.

This data is sourced from Natural England.

14.2 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.

14.3 Open Mosaic Habitat

Records within 250m	0
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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.

14.4 Limestone Pavement Orders

Records within 250m	0
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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.



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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