

The Printworks, High Road West

Land Contamination Assessment (Phase 1)

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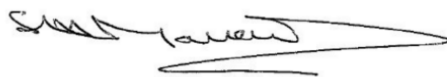
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Executive Summary

Background and objectives	This report presents the results of a Geoenvironmental Desk Study for The Printworks, prepared by Buro Happold on behalf of Goodsyard Tottenham Limited. The purpose of this study is to establish the environmental, geological, hydrological and hydrogeological conditions present at the site that may result in potential contamination risks related to the proposed future use.
Site setting	The Printworks covers some 0.35 ha and is approximately centred at NGR TQ 33824 91507. It is an irregularly shaped parcel of land in the London Borough of Haringey, northeast London. The Site is bounded to the north by Brunswick Square, to the east by the High Road, to the south by Percival Court and to the west by Peacock Industrial Estate. It is currently occupied by a mixture of buildings (50% of footprint) and hardstanding / yard areas (50%). Current uses are mixed commercial and residential (flats) with 819 and 821 High Road Grade II listed.
Geological setting	The Site is underlain by a downward sequence of; Made Ground (nature and thickness unknown), Kempton Park Gravels (approx. 5m thick), the London Clay Formation (approx. 15m thick), Lambeth Group, Thanet Sands and the Chalk (present at about 40m depth).
Hydrogeology	The Kempton Park Gravels are a Secondary A Aquifer. The underlying London Clay is defined as Unproductive Strata. The Lambeth Group and Thanet Sand are both Secondary A Aquifers. The Chalk is a Principal Aquifer. There are no active groundwater abstractions within 1km.
Hydrology	The Moselle Brook is located 70m south of the Site at its nearest point (where it is culverted). This river flows in an open-channel section through Tottenham Cemetery, in an easterly direction up to the junction of White Hart Lane and Beaufoy Road, where it is then culverted. It then flows mostly in culvert to eventually join Pymmes Brook near Tottenham Marshes.
History	By 1864 the Site was occupied by the Brunswick Brewery, commercial and residential properties with gardens. By 1896 the brewery was no longer present, and the area was occupied by terraced residential properties. The Herald Printing Works building was constructed at some time between 1920 and 1935. By 1970, 823 to 829 High Road were also identified as part of the Printing Works. By the 1980s, all of the residential properties within the Site boundary had been demolished, bringing the Site to today's configuration. The former areas of residential development have largely been vacant since, except for the area in the north which was labelled as a Builders Yard between the early 1990s and 2000s. In the 1860s, the surrounding area was suburban, with a mix of residential development and commercial properties along the High Road and White Hart Lane. Urban development continued through the early 20th century and by 1913 most of the adjacent land uses were commercial / industrial (mostly unspecified), including rail sidings extending to about 50m west. By 1955, notable uses included a Goods and Coal Depot, Furniture Works, Road Haulage Depot, and a Cooperage, amongst other uses. By 1964 the Furniture Works had been replaced by a Paint Box Factory and a Paper Bag Factory. The surrounding area was largely in today's configuration by the early 1990s, including Peacock Industrial Estate adjacent to the west.
Geoenvironmental considerations	A number of potential sources of contamination have been identified, primarily related to historical site uses (brewery, printworks, residential, builders yard) and Made Ground

associated with these phases of development. The surrounding area also has a history of commercial / industrial use. Accordingly, the following potentially significant risks (i.e. assessed as above low) have been identified:

Receptor	Source	Potential risk
Investigation and construction workers	Soil contamination associated with: Previous on-site industrial uses: brewery, printworks, builders yard Made Ground associated with previous development on site and surrounding area Current land uses in surrounding area	Moderate
Future site users / visitors		Moderate / low
Offsite occupiers		Moderate / low
Shallow Aquifer		Moderate / low
Investigation and construction workers	Hazardous ground gas arising from: Made Ground associated with previous development on site and surrounding area	Moderate / low
Future site users / visitors		Moderate
Buildings / structures		Moderate

Recommendations In due course a ground investigation will be required to enable the design and construction of the proposed development. This investigation should combine geotechnical and geoenvironmental objectives. The geoenvironmental aims will be to gain an understanding of: the presence, extent and nature of any Made Ground; the ground gas regime; and the shallow groundwater regime. The data obtained from this investigation would be collated, assessed and presented in a report suitable for submission in respect to the discharge of relevant planning condition. The report would include recommendations on the need for and scope of any remedial design or action.

The risks associated with UXO for the development have been assessed as Moderate. Accordingly, a detailed UXO assessment is recommended prior to extensive earthworks.

1 Introduction

1.1 General

This report presents the results of a Geoenvironmental Desk Study for The Printworks, prepared by Buro Happold on behalf of Goodsyards Tottenham Limited. The purpose of this study is to establish the environmental, geological, hydrological and hydrogeological conditions present at the site that may result in potential contamination risks related to the proposed future use.

The Printworks (herein referred to as 'the Site') covers about 0.35 ha and is approximately centred at NGR TQ 33824 91507. It currently comprises the La Royale banqueting suite, a private commercial events venue (three storey building), a row of commercial properties, and external yard areas. The Site is located in the London Borough of Haringey on the western side of the High Road. It is bounded by the High Road to the east, Brunswick Square to the north, Peacock Industrial Estate to the west and Percival Court to the south. The redline for the Site is shown below in Figure 1-1 and an aerial image in Figure 1-2. The proposed development will provide student accommodation and associated amenities. Relevant drawings are included in Appendix A.

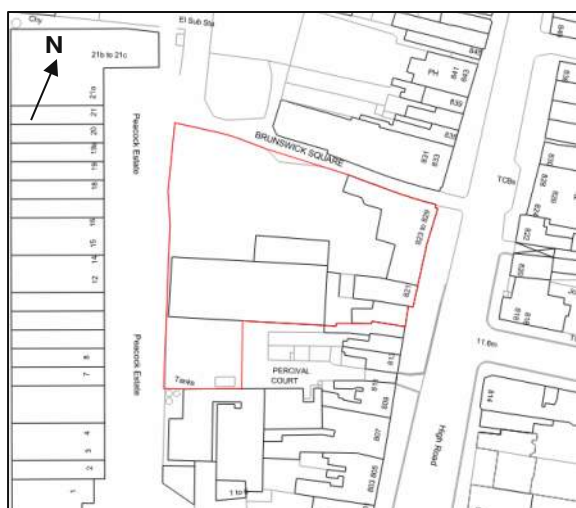


Figure 1-1 - Redline boundary for The Printworks.



Figure 1-2 - Aerial image of The Printworks.

1.2 Study aims and objectives

The overall aim of this study was to carry out a geoenvironmental assessment of the Site in order to inform the Client's understanding of potential ground-related risks associated with the proposed redevelopment. This report will provide information relevant to redevelopment in accordance with the requirements of the National Planning Policy Framework (NPPF) [1] and also with respect to any potential liability under Part 2a of the Environmental Protection Act 1990 [2]. The work was carried out in general accordance with Land Contamination: Risk Management (LRCM) [3], the relevant British Standard [4], the Environment Agency Guiding Principles [5] and other current good practice guidance.

The particular objectives of the study were:

- To determine the historical and current use of the Site and its surroundings;

- To determine the nature of the ground conditions and the environmental sensitivity of the Site;
- To assess the potential location, nature and extent of ground and groundwater contamination;
- To assess the potential risks to people and the environment (natural and built) associated with ground contamination (solid, liquid or gas) for the proposed future use;
- To construct an initial Conceptual Site Model and carry out a preliminary contaminated land risk assessment, in general accordance with LRCM [3];
- To prepare a report based upon all of the above suitable to inform the Client about potential risks related to ground conditions, which can be updated to support a planning application in accordance with NPPF [1];
- To determine the status of the Site with respect to Part 2a of the Environmental Protection Act 1990 and the nature and extent of associated environmental liabilities; and
- To evaluate the potential need for and outline scope of subsequent ground investigations and/or remedial action or design.

1.3 Information sources

The principal sources of information for this desk study report include: historical and current topographic maps, public register information dated 2021 (Appendix B) and 2023 (Appendix C) and information available from the Environment Agency website and other online sources. This report is therefore based upon information obtained from third party sources, together with observations from the site walkover survey. The third-party data has been accepted as face value and has not been independently verified. Buro Happold can therefore give no warranty, representation or assurance as to the accuracy or completeness of such information.

1.4 Competence

This work reported here was carried out by geoenvironmental scientists from Buro Happold. Buro Happold is a consulting engineering company that manages its work under various Quality Management Systems that are certified to ISO 9001. The work itself was carried out by the staff with relevant qualifications, training and experience. This overall technical responsibility for the work was held by a Technical Director with substantial experience in the assessment of land affected by contamination who is a Chartered Geologist and registered SiLC (Specialist in Land Contamination) and SQP (Suitably Qualified Person).

2 Current land use and proposed development

2.1 Site location

The Printworks covers some 0.35 ha, centred at NGR TQ 33824 91507. It is an irregularly shaped parcel of land located in the London Borough of Haringey, in northeast London. The Site is bounded to the north by Brunswick Square, to the east by the High Road, to the south by Percival Court and to the west by Peacock Industrial Estate.

2.2 Proposed development

The proposed development comprises the retention of 819-829 High Road, the demolition of 829 High Road and properties behind the High Road, with site clearance and the redevelopment of the site for use as student accommodation, along with ancillary facilities (cycle store, roof terrace). The proposed building is up to six-storeys. Limited areas of soft landscaping are anticipated. The development description is provided below, with relevant drawings included in Appendix A.

(i) Full planning application:

Full planning application for the demolition of existing buildings and structures to the rear of 819-829 High Road; the demolition of 829 High Road; and redevelopment for purpose-built student accommodation (Sui Generis) and supporting flexible commercial, business and service uses (Class E), hard and soft landscaping, parking and associated works. To include the change of use of 819-827 High Road to student accommodation (Sui Generis) and commercial, business and service (Class E) uses.

(ii) Listed building consent:

Internal and external alterations to 819/821 High Road (Grade II), including reinstatement of hipped roof, demolition works to the rear, façade and related external works, internal alterations and associated works.

2.3 Current activities on site

General

The Site is currently occupied by a mixture of buildings (50% of footprint) and hardstanding / yard areas (50%). An Engineer from Buro Happold undertook a visit of the Site and its environs on 20th April 2021 (in support of a previously considered development scheme) and again on 7th June 2023. No significant changes were noted between these visits. General observations from the walkover surveys are presented below.

North / west

The north / west part of the Site is accessed via Brunswick Square. This area is currently occupied by a three-storey building, known as La Royale (a banqueting / wedding venue), with associated yard area. Properties along the High Road also back onto this area and can also be accessed from here. The yard area is currently used for car parking, and storage of bins and recycling). There is also an electricity substation (near to the north-western most corner of the Site) located inside a locked brick structure. This part of the Site is surrounded by palisade fencing, secured by lockable gates and forms about 70% of the total footprint. Photographs of this area are included as Figure 2-1 to Figure 2-4.



Figure 2-1 - Facing west along northern boundary of The Printworks. Electricity substation contained within brick structure.



Figure 2-2 - Facing east along the northern boundary of The Printworks, looking towards rear of buildings located on the High Road.



Figure 2-3 - View of eastern side of La Royale building, facing south.



Figure 2-4 - View of western side of La Royale building, facing south.

East

The eastern part of the Site is comprised of 820 to 829 High Road, a terrace of two- to three-storey buildings of mixed commercial and residential use (see Figure 2-5). The ground floor of these buildings is used for commercial purposes (bridal shop, nail bar, banqueting suite), which front onto the High Road, with residential / commercial uses on the upper floors. These buildings are accessed from the High Road or from the yard area to the rear (see above) and occupy about 15% of the total Site footprint.



Figure 2-5 - View along the High Road, facing south.

South

The southern part of the Site is currently a yard area which is accessed from Percival Court (see Figure 2-6 and Figure 2-7). This was accessed in 2021 only. The area is surrounded by buildings or palisade fencing and is secured by a code-accessed gate. A minibus was parked in the yard at the time of the walkover (vandalised) but was otherwise vacant. There was also some evidence of fly-tipping. This part of the Site is underlain by gravel hardstanding and there was some shrub-like vegetation to the perimeter. It forms about 15% of the total Printworks footprint.



Figure 2-6 - View across southern yard area, facing west towards western Site boundary. Fly-tipped wastes evident in left of photograph.



Figure 2-7 - View across southern yard area, facing east. Gate accessed gate evident in background.

2.4 Topography

The elevations (i.e. ground level) at each part of the Site vary slightly. The north / west yard area is at a level of approximately 12.95m AOD and falls slightly from west to east. The western boundary is about 0.5m to 1.0m lower than the neighbouring Peacock Industrial Estate (see Figure 2-1). Ground level on the High Road (east of the site) is at about 11.9m AOD and ground level at the southern elevation is at about 12.75m AOD.

2.5 Surrounding land uses

The immediate surrounds are predominantly commercial and industrial. The observations from the 20th April 2021 and 7th June 2023 site walkovers are summarised below (with no significant changes noted between these visits).

North

The Site is bounded to the north by Brunswick Square. Beyond this (northeast) are commercial properties that continue in a northerly direction along the High Road (predominantly retail shops, takeaways, cafes etc.). Beyond Brunswick Square to the northwest are industrial sites, including a metal works, wood machinists, a transport depot (which included lorry parking), and scrap metal yard. There is also an electricity substation located about 10m northeast of the Site. This is located in a locked, gravel-based compound. No evidence of leaks / straining was noted.



Figure 2-8 - Electricity substation located about 10m northwest of the Site.



Figure 2-9 - View of DW General Wood Machinists compound, located from about 20m north.

East

The High Road (which runs north to south) bounds the Site to the east. This road is lined by commercial properties, including various shops, pubs, cafes, bookmakers, hairdressers and beauticians etc. Lilywhite House (Tottenham Hotspur Football Club administration offices) is about 100m east and Tottenham Hotspur Stadium is about 200m southeast.

South

Adjacent to the south is a church, garment factory (both accessed from Chapel Place, leading from White Hart Lane) and pub (The Bricklayers, accessed from the High Road). Further commercial properties continue in a southerly direction along the High Road. White Hart Lane, which runs east to west, is approximately 50m south. There are residential properties off White Hart Lane (houses and blocks of flats), the nearest being about 50m distant.

West

Adjacent to the west is the Peacock Industrial Estate and associated access road which provides access from the High Road and White Hart Lane. The industrial estate is comprised of a single building that is divided into approximately 25 units, each with roll shutter door entrance. The occupiers of the units include: a window and door merchants, vehicle maintenance services, a joinery company, a window installation service company, a MOT test and car servicing company and sash window specialist, amongst others. The area to the front of the industrial estate is covered by hardstanding and is used for vehicle parking and skip storage. Beyond the Peacock Industrial Estate is Carbery Enterprise Estate, a small commercial estate of eleven units, and a vacant plot of land which has been levelled and covered by crushed concrete (both of these plots form the Goods Yard Site).



Figure 2-10 - View towards International Ministries for the Living Word (church) and Elbi Ltd (garment manufacturer) from White Hart Lane, facing north. These properties back onto the south of the Site.



Figure 2-11 - Overview of Peacock Industrial Estate, facing southwest.

3 Environmental Setting

3.1 Geology

The anticipated site geology has been determined with reference to the relevant 1:50,000 British Geological Survey Map (Sheet 256 – North London) [6], the 1:10,000 British Geological Survey Map (Sheet TQ39SW – Edmonton) [7] and available to view BGS borehole logs (Appendix E). No exploratory holes or ground investigation data specific to the Site have been obtained. These sources indicate the Site to be underlain by a downward sequence of Kempton Park Gravels, beneath which is the London Clay Formation, and the Lambeth Group, Thanet Sand Formation and Chalk Group at depth. This is summarised in Table 3-1 below. These strata will be overlain by Made Ground (thickness unknown), consistent with the history of the site.

Table 3-1 - Summary of anticipated geology

Strata	Description	Depth to top [Approx. thickness]
Made Ground	Unknown – Made Ground likely to be present, consistent with previous development.	Surface [unknown - considered limited]
Kempton Park Gravels	Gravel, sandy and clayey in part	Near-surface [unknown – likely on the order of 1 to 5m]
London Clay	Blue-grey or grey-brown silty clay, sandy silts and sandy clayey silts.	Approx. 5m [about 15m in the area]
Lambeth Group	Blue, grey, yellow and red mottled clay with sand and pebble beds	Approx. 20m [about 10m in the area]
Thanet Sand Formation	Fine grained sand	Approx. 30m [about 10m in the area]
Chalk	White chalk	Approx. 40m [regionally extensive - >60m]

3.2 Hydrogeology

The Kempton Park Gravel is classified as a Secondary A Aquifer – defined as permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some places forming an important source of base flow to rivers. The underlying London Clay is an Unproductive Strata. These are defined as rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow. The Lambeth Group and Thanet Sand Formation are both Secondary A Aquifers. The Chalk, located at depth, is a Principal Aquifer.

The nearest record of groundwater abstraction is attributed to 190m northwest (881 High Road). This relates to a historical abstraction by Cannon Automotive Ltd for general cooling. The most recent version of this license was dated 2005. The nearest active license is 1150m east. There are no active or historical records of potable abstraction within 1km. The Site is not located in a Source Protection Zone.

3.3 Hydrology

The Moselle Brook is located 70m south of the Site at its nearest point (where it is culverted). This river flows in an open-channel section through Tottenham Cemetery, up to the junction of White Hart Lane and Beaufoy Road, where it is then culverted. It flows in a culverted section approximately along the length of White Hart Lane, to the junction of

White Hart Lane and High Road, where it then follows High Road. It flows in a generally easterly direction where it joins Pymmes Brook near Tottenham Marshes. There are no other surface water features in the vicinity.



Figure 3-1 - Location of the Moselle River (blue line) in relation to The Printworks (Groundsure, 2023).

3.4 Flood risk

The gov.uk 'Flood maps for planning' [8] resource identifies the Site to be located in Flood Zone 1 (low probability), defined as land having a less than 1 in 1,000 annual probability of river or sea flooding. Part of the High Road (adjacent to east) and White Hart Lane (from 50m south) is designated Flood Zone 2 (medium probability). This means that the land has between a 1 in 100 and 1 in 1000 annual probability of river flooding.

3.5 Natural hazards

Regulatory data relating to ground stability for the Site is summarised in Table 3-2 below, with the full information presented in full in Appendix B.

Table 3-2 Potential natural hazards based on BGS Geosure data

Potential hazard	Hazard rating
Shrink swell	Moderate
Running sands	Very low
Compressible deposits	Negligible
Collapsible deposits	Very low
Landslides	Negligible
Ground dissolution of soluble rocks	Negligible

3.6 Radon

The UKradon 'UK maps of radon' indicate that the site is not in a Radon Affected Area, as less than 1% of properties are above the Action Level [9]. Therefore, no radon protection measures are required in buildings.

3.7 Mining

The Groundsure dataset identifies no record of mining, ground workings or natural cavities within the Site boundary.

3.8 Unexploded Ordnance

A Preliminary UXO Risk Assessment has been carried out by Buro Happold in accordance with CIRIA C681 [10] and is included in Appendix D. In addition to the consideration of the potential for aerial delivered UXO, consideration has also been given to mitigation factors, namely: (i) the extent of post-war development); and (ii) the extent of proposed intrusive works. The assessment concluded that the risks associated with UXO are Moderate. In the event of extensive below ground works a detailed UXO risk assessment is required (see Appendix D).

4 Site Setting

4.1 Site History

The Site history and that for the surrounding area has been completed using historic maps from 1864 to 2021. This history is summarised in Table 4-1 below. The maps are presented in Appendix B.

Table 4-1 - Summary of site history and history of the surrounding area

Date	Site history	History of the surrounding area
1864-1867 1:2,500	The Site is occupied by various buildings. These include Brunswick Brewery, commercial properties along High Road and some assumed residential properties with gardens.	The surrounding area is generally suburban. Roads in the orientation of the current High Road and White Hart Lane are already present. A mix of commercial and residential properties line these roads. There are numerous nurseries and orchards in the surrounding area, and open fields beyond. The Moselle River can be seen about 180m southwest, where it is culverted.
1872-1873 1:10,560	No significant change.	There is a Brick Clay Mill Field about 250m southwest and Tottenham Cemetery from about 300m southwest.
1879 1:10,560	No significant change.	No significant change.
1894 1:10,560	Brunswick Brewery is no longer labelled. No significant change to Site layout,	A north-south orientated railway line is present about 200m west. Sidings extend off of this to about 100m west. White Hart Lane Station is about 200m southwest. Substantial further commercial and residential development to the south.
1896 1:1,056	No significant change.	A tramway is shown along the High Road.
1896 1:2,500	No significant change.	There is a College beyond the railway line, from about 200m west.
1896 1:10,560	No significant change.	No significant change.
1913 1:2,500	An assumed commercial building has been constructed in former garden.	There is an area of ground workings adjacent to the north. Further residential development to the west, from about 100m.
1920 1:10,560	No significant change.	Brick Fields and Gravel Pits are shown to the northwest, from about 450m distant.
1935 1:2,500	A further commercial building (unlabelled) is present [same footprint as Herald Printing Works – see below].	Surrounding area is now predominantly developed / urban. There is a Furniture Manufactory about 50m northwest on previously unoccupied land. There is also a Precision Machinery Manufactory (150m west), Brewery (225m southwest) and Dye Works (250m northwest).
1938 1:10,560	No significant change.	Most Nurseries no longer present, with the land now generally occupied by buildings. Brick Fields and Gravel Pits are no longer shown. There is a Football Ground about 300m southwest.
1952 1:10,560	No significant change.	No significant change.
1955 1:1,250	Buildings on Site are identified as: The Herald Printing Works (20%) of footprint, 819 to 829 High Road (assumed commercial), 1 to 31 Brunswick Square and 1 to 5 Percival Court (both streets assumed terraced residential).	Area of ground workings to the north is no longer shown, with the land now vacant. Some changes to nearby commercial / industrial buildings. Rail sidings (50m west) are labelled as part of a Goods and Coal Depot. Also shown are: Brunswick Case Works (30m north), Nesta Works (40m north), Packing Case Works (100m north), the Dunbar Cooperage (100m northwest) and several other works buildings, garages etc. >100m distant.

Date	Site history	History of the surrounding area
1955-1956 1:2,500	No significant change.	No significant change.
1956 1:1,250	No significant change.	No significant change.
1964-1967 1:2,500	The Herald Printing Works building is now labelled as a Works. No other change.	There has been reconfiguration to the commercial / industrial buildings adjacent to the west. Land is now occupied by a series of large Factory buildings. There is also a large Depot building (120m north), with Works beyond (150m north). Terraced residential properties to the south of White Hart Lane have been replaced by flats.
1966-1968 1:10,560	No significant change.	No significant change.
1970-1974 1:1,250	823 to 829 High Road are identified as a Printing Works, in addition to the other main commercial building (see above). Properties on Percival Court have been cleared, with the land now vacant.	Factories to the west are labelled as Pain Box Factory and Paper Bag Factory. The Depot and Factory to the north are a Transport Depot and Rubberware Factory, respectively. There are some areas of vacant land to the north (120m distant) and east (150m), which were previously occupied by residential and Works buildings, respectively.
1974-1975 1:10,000	Residential properties on Brunswick Square have been cleared, with that plot of land now vacant.	No significant change.
1974-1977 1:1,250	No significant change.	No significant change.
1982 1:10,000	No significant change.	No significant change.
1983 1:1,250	No significant change.	Three tanks are shown adjacent to southern boundary, assumed associated with adjacent industrial use (which is not specified).
1981-1986 1:1,250	No significant change.	Rail sidings to the west no longer shown (train line still present). The land is labelled as a Depot and a series of small Works buildings are present. There is an Electricity Substation about 20m north. Transport Depot to the north is no longer present, with the area now occupied by large commercial building with car parking (existing B&M Site).
1991 1:1,250	No change to site layout. Main commercial building and 822 to 829 High Road are identified as Works.	Factory buildings no longer shown. Area now occupied by a large Works building (existing Peacock Industrial Estate). Vacant plots now occupied by new residential development (terraces).
1990-1991 1:10,000	No significant change.	No significant change.
1991-1992 1:1,250	Vacant land (previously Brunswick Square) is identified as a Builder's Yard.	There is a Builders Yard about 70m west.
2001 1:10,000	No significant change.	No significant change. Some redevelopment to residential areas.
2003 1:1,250	No significant change.	No significant change.
2010 1:10,000	No significant change.	No significant change.
2021 1:10,000	No significant change.	Builder's Yard / Depot area to the west has been cleared, with the land now vacant. New Tottenham Hotspur Stadium (about 200m southeast) and associated office space (100m east) have been developed.

4.2 Contaminated land enquiry

Buro Happold made a contaminated land enquiry to Pollution Control at London Borough of Haringey on 7th May 2021 with respect to a previous planning application considered for the site. A response was received on 2nd July 2021 (included in Appendix F), summarised below:

- The Site has not been earmarked for a possible determination under Part 2A of the Environmental Protection Act, and is not already determined as Contaminated Land.
- There have been no nuisance complaints or complaints regarding other activities at the Site. There are also no records of historical pollution incidents on the Site or neighbouring land.
- London Borough of Haringey do not hold any previous ground investigation reports for the Site.
- The Site is identified as a work site with three un-identified tanks opposite is close to Percival Court. There are no other records of bulk fuel storage.

4.3 Regulatory Data

Regulatory data relating to potentially contaminative uses is summarised in Table 4-2 below. This information was obtained from the Groundsure report dated 2023, presented in full in Appendix C.

Table 4-2 - Summary of Regulatory Data

Item	Location	Information	Potential to impact
Past land use			
Historical industrial land uses	On site	Industrial estate, unspecified works, brewery, nursery.	Yes
	Within 100m	Unspecified works, unspecified commercial / industrial, railway sidings, railway buildings.	Yes
	100-250m	Numerous, including: railway building, railway station, brick field, nursery, unspecified works, unspecified commercial / industrial.	No
	250-500m	Numerous, including: nurseries, railway sidings, clay mill, cemetery, industrial estate, unspecified heap.	No
Historical tanks	Within 100m	One record, located adjacent to southern boundary. Present between 1983 and 1996.	Yes
	100-250m	Records attributed to five locations, nearest 155m southeast, dated 1955.	No
Historical energy features	Within 100m	Two records within 100m. One electricity substation located 20m north, dated 1975 until present. Second located about 95m north, dated 1984 until 1997.	Yes
	100-250m	Six records within 250m, nearest 130m northeast. Dated 1955 until 1997.	No
Historical garages	100-250m	Four records within 250m. Nearest located 125m east and dated 1992 until 1996.	No
None of the following were recorded within 500m of the site: historical petrol stations, historical military land.			
Waste and landfill			
Historical waste sites	100-250m	Five records within 500m. Nearest is 170m north and related to a planning application for construction of a waste storage shed within a housing estate (dated 2008). Other records relate to similar waste storage sheds and scrap yards.	No

Item	Location	Information	Potential to impact
Licensed waste sites	100-250m	Three records within 500m. Two records relate to 65m west for operation of a Metal Recycling Site (vehicle dismantler). The permit was surrendered in 2016. Further record attributed to 85m west, also for operation of a Metal Recycling Site.	Yes
Waste exemptions	Within 100m	Three records. One attributed to 65m north and related to burning of waste as a fuel in a small appliance. Two attributed to 83m north and related to sorting and de-naturing of controlled drugs for disposal.	No
	100-250m	Six records within 250m. Nearest 101m north, related to sorting and de-naturing of controlled drugs for disposal.	No
	250-500m	Five further records within 500m	No
None of the following were recorded within 500m of the site: active or recent landfill, historical landfill (BGS, local authority or EA records).			
Current industrial land use			
Recent industrial land uses	On-site	Unspecified works or factories	Yes
	Within 100m	Records within 100m include: tanks, baking and confectionary business, car repairs and servicing, clothing manufacture, electricity substation, general construction supplies, vehicle components, distribution and haulage company, containers and storage, business parks and industrial estates, metal manufacturers.	Yes
	100-250m	Records include: scrap metal merchants, electricity substations, White Hart Lane Rail Station, tanks, electrical equipment, vehicle repair and testing, commercial vehicle sales, vehicle parts and accessories.	No
Current or recent repair stations	100-250m	TOTAL petrol station located 210m southeast.	No
	250-500m	BP petrol station located 430m north.	No
Part A(2)/B licensed pollutant release	Within 100m	Two records located 85m southeast and 100m north. Both Part B permits related to dry cleaning. No enforcements notified.	No
	100-250m	One historical Part B permit located 195m south. No enforcements notified.	No
	250-500m	Five further records within 500m. All Part B permits with no enforcements notified.	No
List 1 dangerous substances	250-500m	One record located 500m north, related to Eswip Angel Road, Edmonton. Listed as not active.	No
Pollution incidents	250-500m	Two records located 250m northeast and 285m southwest. Both related to release of oils and fuels. Category 4 (no impact) to water, land and air.	No
None of the following were recorded within 250m: electricity cables, gas pipelines, sites determined as Contaminated Land, COMAH sites, regulated explosive sites, hazardous substance storage / usage, historical licensed industrial activities (IPC), Part A(1) licensed industrial activities, radioactive substance authorisations, licensed discharges to controlled waters, pollutant release to surface waters, pollutant release to public sewer, list 2 dangerous substances, pollution inventory substances, pollution inventory waste transfers, pollution inventory radioactive waste.			
Environmental designations			
Sites of Special Scientific Interest	>1km	Walthamstow Reservoirs are located 1.6km southeast.	No
Ramsar sites	>1km	Lee Valley Ramsar site is located 1.6km southeast.	No
Special Protection Areas	>1km	Lee Valley Special Protection Area is located 1.6km southeast.	No
Green Belt	>1km	Haringey, Waltham Forest and Enfield areas of Green Belt land located 1.3km, 1.6km and 1.8km distant, respectively.	No
Nitrate Vulnerable Zones	On-site	The Site is located in Lee Nitrate Vulnerable Zone.	No

Item	Location	Information	Potential to impact
None of the following were recorded within 2km: Special Areas of Conservation, National Nature Reserves, Local Nature Reserves, Designated Ancient Woodland, Biosphere Reserves, Forest Parks, Marine Conservation Zones, proposed Ramsar sites, Possible Special Areas of Conservation, Potential Special Protection Areas, Nitrate Sensitive Areas.			
Visual and cultural designations			
Listed Buildings	On-site	819 and 821 High Road are Grade II listed.	Yes
	Within 100m	Several other properties along the High Road and White Hart Lane are listed (Grade II and Grade II*).	No
Conservation Areas	On-site	The Site is located in the North Tottenham High Road conservation area.	Yes
None of the following were recorded within 250m: World Heritage Sites, Area of Outstanding Natural Beauty, National Parks, Scheduled Ancient Monuments, Registered Parks and Gardens.			
Agricultural designations			
Agricultural Land Classification	On-site	Site is identified as urban land.	No
None of the following were recorded within 250m: Open Access Land, Tree Felling Licenses, Environmental Stewardship Schemes, Countryside Stewardship Schemes.			
Habitat designations			
None of the following were recorded within 250m: Priority Habitat Inventory, Habitat Networks, Open Mosaic Habitat, Limestone Pavement Orders.			

5 Preliminary Geoenvironmental Risk Assessment

5.1 General Approach

In the UK, the assessment of risk from contamination is based on consideration of the conceptual site model and follows the “source-pathway-receptor” approach. If one of these three elements (source, pathway or receptor) is absent, it is considered that there is no risk of harm. If, however, there is considered to be a linkage between any given source and any given receptor, then a risk-based approach is used to assess the significance or impact of the linkage. Risks are defined as the probability of an event occurring combined with the severity of the consequence of that event. Particularly, to assess the risks to site end users posed by any given source, the sensitivity of each receptor is considered. For example, the concentration of contamination acceptable at a site to be developed as a residential property with a garden used to grow vegetables and accessible to young children is set lower than that for a commercial site where soil is exposed only in minor areas of landscaping and the only long-term users of the site are adults. Similarly, a site overlying a Principal Aquifer supplying potable water will be considered more stringently than a site overlying an impermeable geology with only minor seepages of groundwater.

5.2 Conceptual site model

The potential risks posed to human health and the environment by ground contamination at this site have been evaluated by a generic quantitative risk assessment which incorporates the ‘source-pathway-receptor’ identification and assessment methodology in accordance with LC:RM [3]. The risk assessment process therefore involves the identification of each source based on the information in this report, including any available existing ground investigation results together with the identification of relevant exposure pathway(s) and receptors. The potential risks to the receptors have been assessed by considering the potential effect of the source on the receptor as well as the likelihood of a pathway linking the two, i.e. a contaminant linkage as discussed above.

5.3 Sources

The potential contamination sources at the site have been identified from the review of regulatory data, historical maps and previous site investigations and are summarised in Table 5-1. The ‘Contaminants of Concern’ in this risk assessment are based primarily on information from this review of historical information and by reference to relevant Industry Profile reports (Chemical works: coatings - paints and printing inks [11]) and R&D 66 [12].

Table 5-1 Summary of potential sources of contamination

Potential source	Location	Likely age	Potential contaminants of concern
Previous on-site industrial uses: brewery, printworks, builders yard.	On-site	Up to 100 years	Asbestos, dyes / pigments, metals, TPH, PAHs, solvents, chlorinated hydrocarbons Ground gases (carbon dioxide, methane) and vapours
Made Ground associated with previous development on site and surrounding area (e.g. demolition of residential properties).	On-site	Up to 100 years	Asbestos, metals, PAHs, TPH Ground gases (carbon dioxide, methane) and vapours
Current site uses: electricity substations, vehicle parking.	On-site	Current	TPH, oils, PCBs, metals

Potential source	Location	Likely age	Potential contaminants of concern
Current land uses in surrounding area: electricity substation, metal works, wood machinists, transport depot, scrap metal yard, vehicle maintenance.	Off-site – from adjacent	Current	Asbestos, metals, TPH, PAHs, PCBs
Historical surrounding land uses: tanks, railway sidings, goods and coal depot, furniture manufactory, precision machine manufactory, case works, cooperage, paint box factory, paper bag factory.	Off-site – from adjacent	Up to 100 years	Asbestos, metals, TPH, PAHs

5.4 Pathways and receptors

The proposed development comprises a mixed commercial and residential scheme, with space for car and bicycle parking. No soft landscaping is proposed. The presence of contamination (in soils, liquids or gases) has the potential to impact upon human and environmental receptors both in the short term (during construction) and in the long term (during use and occupation). Those receptors and the pathways that could link them to the sources identified in Table 5-1 are summarised below.

Table 5-2 Summary table of receptors and potential pathways

Receptor		Pathway
Human Health	Investigation and construction workers	Direct / dermal contact. Ingestion / inhalation of soils. Inhalation of gas / vapour.
	Future site users / visitors (residents, workers)	Direct / dermal contact. Ingestion / inhalation of soils. Inhalation of gas / vapour.
	Offsite occupiers / visitors of neighbouring land	Inhalation of contaminated dusts.
Controlled Waters	Moselle Brook	Migration via permeable strata and preferential pathways (if present).
	Shallow Aquifer (Kempton Park Gravels)	Migration via permeable strata and preferential pathways (e.g. piling)
	Deep Aquifer (Lambeth Group, Thanet Sands, Chalk)	Migration via permeable strata and preferential pathways (e.g. piling)
Built Environment	Buried concrete foundations	Aggressive attack
	Potable water supply pipework	Direct contact
	Buildings / structures	Gas migration via permeable strata with potential for accumulation to hazardous concentrations

5.5 Assessment of risk

The assessment of the level of risk for each of the potential contaminant linkages identified above is summarised in Table 6-1. The table lists the potential sources identified above. For each source, an assessment is made, receptor by receptor as to the magnitude of the potential consequence (reflecting the potential severity of the hazard associated with that source and the sensitivity of the receptor).

Consideration has also been given to the level of uncertainty associated with each of these potential sources. For example, much of the information is based upon historical records which are likely to be partial and will not be complete, together with the limited nature of the existing site investigation data. Because of this uncertainty, the identification of the sources is based upon a conservative assessment of the potential location, nature and extent of

the source. The probability or likelihood of the hazard being realised is then assessed by consideration of the directness / integrity of the exposure pathway that could link the receptor to the source. The assigned level of risk is determined by the terms of consequence and probability in accordance with C552 [13]. The final column describes all of the factors considered in the assessment and presents the justification for the assessed level of risk.

Table 5-3 - Preliminary Risk Assessment.

Source		Receptor / Pathway	Risk assessment (following CIRIA C552)			Comment on hazard realisation / <i>mitigation</i>
Origin	Contaminants of concern		Consequence	Probability	Risk	
Previous on-site industrial uses: brewery, printworks, builders yard	Asbestos, dyes / pigments, metals, TPH, PAHs, solvents, chlorinated hydrocarbons, PCBs, oils	Description of the Source: Site first developed prior to 1864. Historic site uses include residential (1860s-1970s), brewery (1860s-1890s), printworks (1930s-1970s), builders’ yard (1990s). Processes undertaken within printworks are unknown. Site is currently occupied by commercial buildings, including a wedding venue / banqueting suite, bridal shop and nail bar, with external areas used for carparking. Current site surface is mixed gravel and hardstanding (poor quality). There is an electricity substation within the site boundary, inside locked compound (date unknown – not shown by historical mapping). There has been commercial and residential development in the surrounding area since at least the 1860s. By 20th century, adjacent land uses were predominantly commercial / industrial. These nearby uses included: rail sidings, goods and coal depot, various works, furniture manufactory, precision machine manufactory, paint box and paper bag factories. Tanks were present adjacent to the south during the 1980s (contents unknown). Surrounding area was largely in today’s configuration by 1990s. Current nearby commercial / industrial uses include Peacock Industrial Estate (vehicle servicing, joinery company etc.), metal works, wood machinists, a transport depot, and scrap metal yard. There is also an electricity substation located about 10m northeast (no evidence of staining / leakage noted). No ground investigation data are available for the site. Made Ground associated with previous development is expected. Potential for residual contamination to be present.				
Made Ground associated with previous development on site and surrounding area		Investigation and construction workers Direct / dermal contact. Ingestion / inhalation of soils.	Severe	Low	Moderate	Potential for exposure to contamination contained within Made Ground during investigations / excavations. Earthworks likely to be required associated with achieving formation level and foundation construction. Extent and nature of Made Ground unconfirmed. Period of exposure relatively limited. Standard health and safety precautions will be used. <i>Mitigation of potential risks can be achieved by appropriate investigation, adoption of good construction practice and maintaining a watching brief for unexpected contamination during investigation and construction.</i>
Current land uses in surrounding area		Future site users / visitors (residents, workers) Direct / dermal contact. Ingestion / inhalation of soils.	Severe	Unlikely	Moderate / low	In proposed future use, most of site will be occupied by building footprint with surrounding hard landscaped areas. Most soft landscaping proposed at podium level and therefore isolated from underlying Made Ground. <i>Mitigation of potential risks can be achieved by appropriate investigation, adoption of good construction practice and maintaining a watching brief for unexpected contamination during investigation and construction. Any soft landscaping will use chemically suitable imported topsoils and subsoils.</i>
Historical surrounding land uses		Offsite occupiers / visitors of neighbouring land Inhalation of contaminated dusts.	Severe	Unlikely	Moderate / low	Adjacent land uses are predominantly commercial / industrial. Potential for generation of dusts during investigation and construction. Earthworks likely to be required associated with achieving formation level and foundation construction. <i>Mitigation of potential risks can be achieved by appropriate investigation, adoption of good construction practice (including dust suppression techniques) and maintaining a watching brief for unexpected contamination during investigation and construction.</i>
		Moselle Brook Migration via permeable strata and preferential pathways (if present).	Mild	Unlikely	Very low	Moselle Brook is 70m south at its nearest point, where it is culverted. Construction of the culvert is unknown. Potential for increased infiltration and promotion of leaching during investigation / construction. Subsequent migration via permeable strata to Moselle Brook is not direct or short. <i>Mitigation of potential risks can be achieved by appropriate investigation, adoption of good construction practice (including management of excavations, stockpiles etc.) and maintaining a watching brief for unexpected contamination during investigation and construction.</i>
		Shallow Aquifer (Kempton Park Gravels) Migration via permeable strata and preferential pathways (e.g. piling)	Medium	Low	Moderate / low	Kempton Park Gravels are a Secondary A Aquifer. There are no active groundwater abstractions within 1km. Aquifer acts more as pathway than sensitive receptor. Shallow groundwater regime at the Site is unconfirmed. Potential for increased infiltration and promotion of leaching from Made Ground during investigation / construction. <i>Mitigation of potential risks can be achieved by appropriate investigation, adoption of good construction practice (including management of excavations, stockpiles etc.) and maintaining a watching brief for unexpected contamination during investigation and construction.</i>

Source		Receptor / Pathway	Risk assessment (following CIRIA C552)			Comment on hazard realisation / <i>mitigation</i>
Origin	Contaminants of concern		Consequence	Probability	Risk	
		Deep Aquifer (Lambeth Group, Thanet Sands, Chalk) Migration via permeable strata and preferential pathways (e.g. piling)	Medium	Unlikely	Low	The Secondary A / Principal Aquifer is at a depth of >20m and is overlain by approximately 15m of cohesive London Clay. There are no active groundwater abstractions within 1km. Groundwater regime at depth is unconfirmed. Potential for preferential pathways (existing deep foundations) and for their creation during construction (e.g. piling). <i>Mitigation of potential risks can be achieved by appropriate investigation, assessment (including Foundation Works Risk Assessment) adoption of good construction practice (including use of appropriate piling method) and maintaining a watching brief for unexpected contamination during investigation and construction.</i>
		Buried concrete foundations Aggressive attack	Mild	Low	Low	Below ground concrete is required for new building construction. Potential for degradation of concrete due to direct contact with aggressive ground conditions. <i>Mitigation of potential risks can be achieved by appropriate investigation and undertaking appropriate design and material selection.</i>
		Potable water supply pipework Direct contact	Mild	Low	Low	Potential for direct contact and permeation of potable water supply pipework by particular contaminants. <i>Mitigation of potential risks can be achieved by appropriate investigation and undertaking appropriate design and material selection.</i>
Made Ground associated with previous development on site and surrounding area	Ground gas (carbon dioxide, methane) Vapours	Description of the Source: Site has been developed since earliest available map (dated 1864). Previous site uses include residential (1860s-1970s), brewery (1860s-1890s), printworks (1930s-1970s), builders' yard (1990s). Made Ground likely to be present on site associated with previous development / demolition. Substantial history of commercial / industrial land use in surrounding area. No ground investigation data are available for the site. Made Ground associated with previous development is expected. Extent and nature unconfirmed, but source of gas / vapour is likely to be aged. Potential for generation of hazardous ground gases or vapours.				
		Investigation and construction workers Inhalation of gas / vapour	Severe	Unlikely	Moderate / low	Potential for exposure to ground gas / vapour during construction works within confined spaces. Period of exposure likely to be limited. Mitigation of potential risks can be achieved by appropriate investigation and assessment, and use of standard health and safety precautions.
		Future site users / visitors (residents, workers) Inhalation of gas / vapour	Severe	Low	Moderate	Development proposals include buildings, likely with some confined spaces. Some Made Ground likely to be removed as a result of substructure construction. Potential for hazardous ground gases or vapours to be generated by residual Made Ground and to accumulate in confined spaces to hazardous / toxic concentrations. <i>Mitigation of potential risks can be achieved by appropriate investigation and assessment and incorporation of gas protection measures as needed.</i>
		Buildings / structures Gas migration via permeable strata with potential for accumulation to hazardous concentrations	Severe	Low	Moderate	Development proposals include buildings, likely with some confined spaces Some Made Ground likely to be removed as a result of substructure construction. Potential for hazardous ground gases or vapours to be generated by residual Made Ground and to accumulate in confined spaces to hazardous concentrations. <i>Mitigation of potential risks can be achieved by appropriate investigation and assessment and incorporation of gas protection measures as needed.</i>

6 Conclusions and recommendations

6.1 Summary of contamination risks

An Initial Conceptual Site Model has been determined and a Preliminary Risk Assessment with respect to ground contamination has been carried out for the Site on the basis of desk based data. At this preliminary stage of this project the main sources of potential contamination have been identified and the potential risks have been qualitatively assessed. The assessment is based upon the Site in its current condition, but it also includes consideration of the potential risks associated with any below ground works (e.g. site investigation or future foundation works etc.) and the proposed future use. A summary of the potentially significant risks (i.e. greater than Low) is presented below. These potential risks are capable of mitigation, see Section 6.3.

Table 6-1 Summary of potential risks

Receptor	Source	Potential risk
Investigation and construction workers	Soil contamination associated with: Previous on-site industrial uses: brewery, printworks, builders yard Made Ground associated with previous development on site and surrounding area Current land uses in surrounding area	Moderate
Future site users / visitors (residents, workers)		Moderate / low
Offsite occupiers / visitors of neighbouring land		Moderate / low
Shallow Aquifer (Kempton Park Gravels)		Moderate / low
Investigation and construction workers	Hazardous ground gas arising from: Made Ground associated with previous development on site and surrounding area	Moderate / low
Future site users / visitors (residents, workers)		Moderate
Buildings / structures		Moderate

6.2 Statutory designation

In our opinion, it is unlikely that the Site would be determined as Contaminated Land (under the provisions of Part 2A of the Environmental Protection Act 1990) in its current status, or following the event of any redevelopment, provided the recommendations below are followed.

6.3 Recommendations

There are potentially significant risks associated with the site due to the former site and surrounding use. Therefore it is recommended that a site investigation is completed. The aims and objectives of the investigation should combine geotechnical and geoenvironmental objectives.

The geoenvironmental aims will be to gain an understanding of:

- The presence, extent and nature of any Made Ground;
- The ground gas regime; and
- The shallow groundwater regime.

The investigation should identify the potential pathways and allow assessment of risk to sensitive receptors. This data will also inform any remediation/ mitigation requirements associated with the proposed development. To meet the aims and objectives above, the scope of the site investigation should include the following:

- Boreholes of suitable frequency and depth (to enable geoenvironmental and geotechnical characterisation of the Site). Boreholes should include monitoring installations to intercept ground gas and shallow groundwater,
- Trial pitting across the site with sampling of near surface soils,
- Chemical testing of representative soil and groundwater samples; and
- A gas and groundwater monitoring programme.

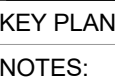
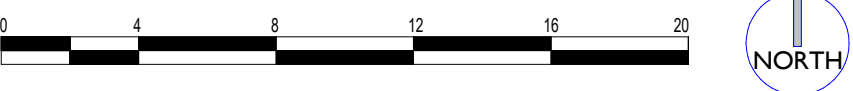
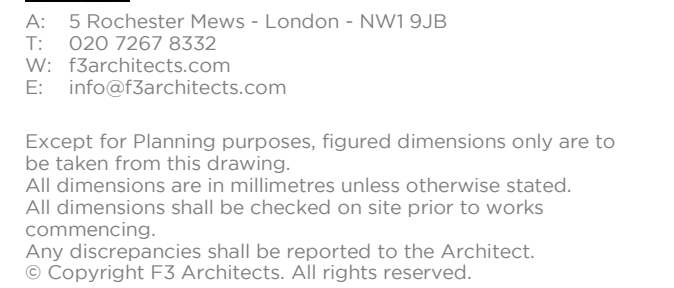
The data obtained from this investigation would be collated, assessed and presented in a report suitable for the discharge of relevant planning conditions. The report would include recommendations on the need for and scope of any remediation.

The risks associated with UXO for the development have been assessed as Moderate. Accordingly, a detailed UXO assessment is recommended prior to extensive earthworks.

7 References

- [1] Ministry of Housing, Communities and Local Government, "National Planning Policy Framework," Ministry of Housing, Communities and Local Government, 2021.
- [2] The Stationary Office, "Environmental Protection Act," The Stationary Office, 1990.
- [3] gov.uk, "Land contamination: risk management," 6 May 2021. [Online]. Available: <https://www.gov.uk/guidance/land-contamination-how-to-manage-the-risks>. [Accessed 09 February 2021].
- [4] British Standards Institute, "BS10175:2011 +A2:2017 Investigation of Potentially Contaminated Sites - Code of Practice," British Standards Institute, 2011.
- [5] Environment Agency, "GPLC1 - Guiding principles for land contamination," Environment Agency, 2010.
- [6] BGS, "Sheet 256 (North London)".
- [7] BGS, "Sheet TQ39SW (Edmonton) 1:10,000 series," British Geological Survey, Keyworth, Nottingham, 1999.
- [8] gov.uk, "Flood map for planning," [Online]. Available: <https://flood-map-for-planning.service.gov.uk/>. [Accessed 19 02 2021].
- [9] UK Health Security Agency, "UKradon. UK maps of radon.," 2022.
- [10] CIRIA, "Unexploded Ordnance (UXO). A Guide for the Construction Industry (C681)," CIRIA, 2009.
- [11] Department of the Environment Industry Profile, "Chemical Works - coating (paints and printing inks), manufacturing works," 1995.
- [12] NHBC, Environment Agency and Chartered Institute of Environmental Health, Guidance for the safe development of housing on land affected by contamination. R&D 66:2008, 2008.
- [13] CIRIA, "Contaminated Land Risk Assessment. A guide to good practice. C552," CIRIA, 2001.

Appendix A Drawings

[illegible]

Health and Safety

Refer to relevant Construction (Design and Management) documentation where applicable. The Contractor shall plan, manage and monitor the works inclusive of temporary erection stability. Any works that are found to be unstable in the temporary state are to be reported directly to the structural engineer and Main Contractor/Package Manager in order to provide safe temporary support. Check on site prior to commencement of works/fabrication etc.

project

THE PRINTWORKS

B19-829, HIGH ROAD, TOTTENHAM,
LONDON, N17 8ER

title

PROPOSED GA L01 FLOOR PLAN

Drawn by	scale	paper	project no
GB	1 : 200	A1	220428
status			revision
A2 - ISSUED FOR PLANNING			A2.P2
drawing no			
PRINT-F3A-ZZ-01-GA-A-82128			

Appendix B Groundsure (2021)

819, HIGH ROAD, TOTTENHAM, LONDON, N17 8ER

Order Details

Date: 26/04/2021
Your ref: 0049225_2006_HRW_Printworks
Our Ref: GS-7792031
Client: BURO HAPPOLD

Site Details

Location: 533829 191498
Area: 0.36 ha
Authority: [London Borough of Haringey](#)



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Summary of findings

p. 2 **Aerial image**

p. 8

OS MasterMap site plan

p.12 groundsure.com/insightuserguide

Contact us with any questions at:

info@groundsure.com

08444 159 000

Summary of findings

Page	Section	Past land use	On site	0-50m	50-250m	250-500m	500-2000m
13	1.1	Historical industrial land uses	7	8	32	58	-
17	1.2	Historical tanks	0	1	8	10	-
18	1.3	Historical energy features	0	1	10	25	-
20	1.4	Historical petrol stations	0	0	0	0	-
20	1.5	Historical garages	0	0	5	9	-
21	1.6	Historical military land	0	0	0	0	-
Page	Section	Past land use - un-grouped	On site	0-50m	50-250m	250-500m	500-2000m
22	2.1	Historical industrial land uses	8	9	40	79	-
27	2.2	Historical tanks	0	4	16	20	-
29	2.3	Historical energy features	0	4	39	70	-
33	2.4	Historical petrol stations	0	0	0	0	-
34	2.5	Historical garages	0	0	12	20	-
Page	Section	Waste and landfill	On site	0-50m	50-250m	250-500m	500-2000m
36	3.1	Active or recent landfill	0	0	0	0	-
36	3.2	Historical landfill (BGS records)	0	0	0	0	-
37	3.3	Historical landfill (LA/mapping records)	0	0	0	0	-
37	3.4	Historical landfill (EA/NRW records)	0	0	0	0	-
37	3.5	Historical waste sites	0	0	5	0	-
38	3.6	Licensed waste sites	0	0	3	0	-
39	3.7	Waste exemptions	0	0	14	5	-
Page	Section	Current industrial land use	On site	0-50m	50-250m	250-500m	500-2000m
42	4.1	Recent industrial land uses	1	10	30	-	-
45	4.2	Current or recent petrol stations	0	0	1	1	-
45	4.3	Electricity cables	0	0	0	0	-
46	4.4	Gas pipelines	0	0	0	0	-
46	4.5	Sites determined as Contaminated Land	0	0	0	0	-



46	4.6	Control of Major Accident Hazards (COMAH)	0	0	0	0	-
46	4.7	Regulated explosive sites	0	0	0	0	-
46	4.8	Hazardous substance storage/usage	0	0	0	0	-
47	4.9	Historical licensed industrial activities (IPC)	0	0	0	0	-
47	4.10	Licensed industrial activities (Part A(1))	0	0	0	0	-
47	4.11	<u>Licensed pollutant release (Part A(2)/B)</u>	0	0	3	5	-
48	4.12	Radioactive Substance Authorisations	0	0	0	0	-
48	4.13	Licensed Discharges to controlled waters	0	0	0	0	-
48	4.14	Pollutant release to surface waters (Red List)	0	0	0	0	-
49	4.15	Pollutant release to public sewer	0	0	0	0	-
49	4.16	<u>List 1 Dangerous Substances</u>	0	0	0	1	-
49	4.17	List 2 Dangerous Substances	0	0	0	0	-
49	4.18	<u>Pollution Incidents (EA/NRW)</u>	0	0	0	2	-
50	4.19	Pollution inventory substances	0	0	0	0	-
50	4.20	Pollution inventory waste transfers	0	0	0	0	-
50	4.21	Pollution inventory radioactive waste	0	0	0	0	-
Page	Section	Hydrogeology	On site	0-50m	50-250m	250-500m	500-2000m
51	5.1	<u>Superficial aquifer</u>	Identified (within 500m)				
53	5.2	<u>Bedrock aquifer</u>	Identified (within 500m)				
54	5.3	<u>Groundwater vulnerability</u>	Identified (within 50m)				
55	5.4	Groundwater vulnerability- soluble rock risk	None (within 0m)				
55	5.5	Groundwater vulnerability- local information	None (within 0m)				
56	5.6	<u>Groundwater abstractions</u>	0	0	2	0	27
63	5.7	Surface water abstractions	0	0	0	0	0
63	5.8	<u>Potable abstractions</u>	0	0	0	0	5
64	5.9	<u>Source Protection Zones</u>	0	0	0	2	-
64	5.10	Source Protection Zones (confined aquifer)	0	0	0	0	-
Page	Section	Hydrology	On site	0-50m	50-250m	250-500m	500-2000m
65	6.1	<u>Water Network (OS MasterMap)</u>	0	0	1	-	-



66	6.2	Surface water features	0	0	0	-	-
66	6.3	<u>WFD Surface water body catchments</u>	1	-	-	-	-
66	6.4	<u>WFD Surface water bodies</u>	0	0	1	-	-
67	6.5	WFD Groundwater bodies	0	-	-	-	-
Page	Section	River and coastal flooding	On site	0-50m	50-250m	250-500m	500-2000m
68	7.1	<u>Risk of Flooding from Rivers and Sea (RoFRaS)</u>	Low (within 50m)				
69	7.2	Historical Flood Events	0	0	0	-	-
69	7.3	Flood Defences	0	0	0	-	-
69	7.4	Areas Benefiting from Flood Defences	0	0	0	-	-
69	7.5	Flood Storage Areas	0	0	0	-	-
70	7.6	<u>Flood Zone 2</u>	Identified (within 50m)				
71	7.7	Flood Zone 3	None (within 50m)				
Page	Section	Surface water flooding					
72	8.1	<u>Surface water flooding</u>	1 in 30 year, 0.1m - 0.3m (within 50m)				
Page	Section	Groundwater flooding					
74	9.1	<u>Groundwater flooding</u>	Moderate (within 50m)				
Page	Section	Environmental designations	On site	0-50m	50-250m	250-500m	500-2000m
75	10.1	<u>Sites of Special Scientific Interest (SSSI)</u>	0	0	0	0	1
76	10.2	<u>Conserved wetland sites (Ramsar sites)</u>	0	0	0	0	1
76	10.3	Special Areas of Conservation (SAC)	0	0	0	0	0
77	10.4	<u>Special Protection Areas (SPA)</u>	0	0	0	0	1
77	10.5	National Nature Reserves (NNR)	0	0	0	0	0
77	10.6	Local Nature Reserves (LNR)	0	0	0	0	0
77	10.7	Designated Ancient Woodland	0	0	0	0	0
78	10.8	Biosphere Reserves	0	0	0	0	0
78	10.9	Forest Parks	0	0	0	0	0
78	10.10	Marine Conservation Zones	0	0	0	0	0
78	10.11	<u>Green Belt</u>	0	0	0	0	3
79	10.12	Proposed Ramsar sites	0	0	0	0	0



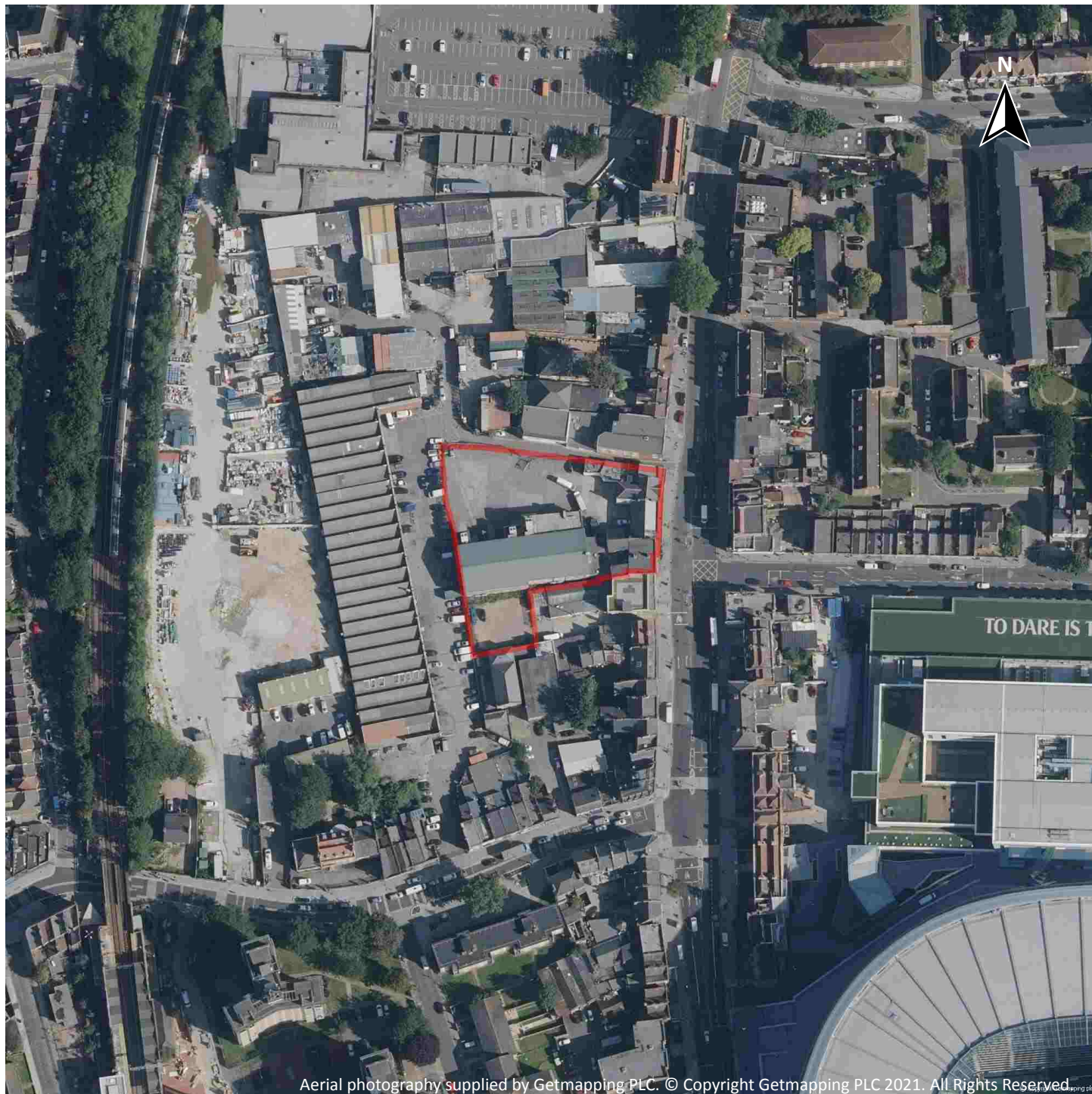
79	10.13	Possible Special Areas of Conservation (pSAC)	0	0	0	0	0
79	10.14	Potential Special Protection Areas (pSPA)	0	0	0	0	0
79	10.15	Nitrate Sensitive Areas	0	0	0	0	0
80	10.16	<u>Nitrate Vulnerable Zones</u>	1	0	1	0	0
81	10.17	<u>SSSI Impact Risk Zones</u>	1	-	-	-	-
82	10.18	<u>SSSI Units</u>	0	0	0	0	2
Page	Section	Visual and cultural designations	On site	0-50m	50-250m	250-500m	500-2000m
84	11.1	World Heritage Sites	0	0	0	-	-
85	11.2	Area of Outstanding Natural Beauty	0	0	0	-	-
85	11.3	National Parks	0	0	0	-	-
85	11.4	<u>Listed Buildings</u>	1	4	12	-	-
86	11.5	<u>Conservation Areas</u>	2	0	0	-	-
87	11.6	Scheduled Ancient Monuments	0	0	0	-	-
87	11.7	Registered Parks and Gardens	0	0	0	-	-
Page	Section	Agricultural designations	On site	0-50m	50-250m	250-500m	500-2000m
88	12.1	<u>Agricultural Land Classification</u>	Urban (within 250m)				
89	12.2	Open Access Land	0	0	0	-	-
89	12.3	Tree Felling Licences	0	0	0	-	-
89	12.4	Environmental Stewardship Schemes	0	0	0	-	-
89	12.5	Countryside Stewardship Schemes	0	0	0	-	-
Page	Section	Habitat designations	On site	0-50m	50-250m	250-500m	500-2000m
90	13.1	Priority Habitat Inventory	0	0	0	-	-
90	13.2	Habitat Networks	0	0	0	-	-
90	13.3	Open Mosaic Habitat	0	0	0	-	-
90	13.4	Limestone Pavement Orders	0	0	0	-	-
Page	Section	Geology 1:10,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
91	14.1	<u>10k Availability</u>	Identified (within 500m)				
92	14.2	<u>Artificial and made ground (10k)</u>	0	0	1	1	-
93	14.3	<u>Superficial geology (10k)</u>	1	0	2	2	-

94	14.4	Landslip (10k)	0	0	0	0	-
95	14.5	<u>Bedrock geology (10k)</u>	1	0	0	0	-
96	14.6	Bedrock faults and other linear features (10k)	0	0	0	0	-
Page	Section	Geology 1:50,000 scale	On site	0-50m	50-250m	250-500m	500-2000m
97	15.1	<u>50k Availability</u>	Identified (within 500m)				
98	15.2	<u>Artificial and made ground (50k)</u>	0	0	0	2	-
99	15.3	Artificial ground permeability (50k)	0	0	-	-	-
100	15.4	<u>Superficial geology (50k)</u>	1	0	2	2	-
101	15.5	<u>Superficial permeability (50k)</u>	Identified (within 50m)				
101	15.6	Landslip (50k)	0	0	0	0	-
101	15.7	Landslip permeability (50k)	None (within 50m)				
102	15.8	<u>Bedrock geology (50k)</u>	1	0	0	0	-
103	15.9	<u>Bedrock permeability (50k)</u>	Identified (within 50m)				
103	15.10	Bedrock faults and other linear features (50k)	0	0	0	0	-
Page	Section	Boreholes	On site	0-50m	50-250m	250-500m	500-2000m
104	16.1	<u>BGS Boreholes</u>	0	0	5	-	-
Page	Section	Natural ground subsidence					
106	17.1	<u>Shrink swell clays</u>	Moderate (within 50m)				
107	17.2	<u>Running sands</u>	Very low (within 50m)				
108	17.3	<u>Compressible deposits</u>	Negligible (within 50m)				
109	17.4	<u>Collapsible deposits</u>	Very low (within 50m)				
110	17.5	<u>Landslides</u>	Very low (within 50m)				
111	17.6	<u>Ground dissolution of soluble rocks</u>	Negligible (within 50m)				
Page	Section	Mining, ground workings and natural cavities	On site	0-50m	50-250m	250-500m	500-2000m
113	18.1	Natural cavities	0	0	0	0	-
114	18.2	BritPits	0	0	0	0	-
114	18.3	<u>Surface ground workings</u>	0	0	4	-	-
114	18.4	Underground workings	0	0	0	0	0
114	18.5	Historical Mineral Planning Areas	0	0	0	0	-



115	18.6	Non-coal mining	0	0	0	0	0
115	18.7	Mining cavities	0	0	0	0	0
115	18.8	JPB mining areas	None (within 0m)				
115	18.9	Coal mining	None (within 0m)				
115	18.10	Brine areas	None (within 0m)				
116	18.11	Gypsum areas	None (within 0m)				
116	18.12	Tin mining	None (within 0m)				
116	18.13	Clay mining	None (within 0m)				
Page	Section	Radon					
<u>117</u>	<u>19.1</u>	<u>Radon</u>	Less than 1% (within 0m)				
Page	Section	Soil chemistry	On site	0-50m	50-250m	250-500m	500-2000m
<u>118</u>	<u>20.1</u>	<u>BGS Estimated Background Soil Chemistry</u>	2	0	-	-	-
<u>118</u>	<u>20.2</u>	<u>BGS Estimated Urban Soil Chemistry</u>	4	2	-	-	-
119	20.3	BGS Measured Urban Soil Chemistry	0	0	-	-	-
Page	Section	Railway infrastructure and projects	On site	0-50m	50-250m	250-500m	500-2000m
120	21.1	Underground railways (London)	0	0	0	-	-
120	21.2	Underground railways (Non-London)	0	0	0	-	-
121	21.3	Railway tunnels	0	0	0	-	-
<u>121</u>	<u>21.4</u>	<u>Historical railway and tunnel features</u>	0	16	28	-	-
123	21.5	Royal Mail tunnels	0	0	0	-	-
123	21.6	Historical railways	0	0	0	-	-
<u>123</u>	<u>21.7</u>	<u>Railways</u>	0	0	11	-	-
124	21.8	Crossrail 1	0	0	0	0	-
124	21.9	Crossrail 2	0	0	0	0	-
124	21.10	HS2	0	0	0	0	-

Recent aerial photograph

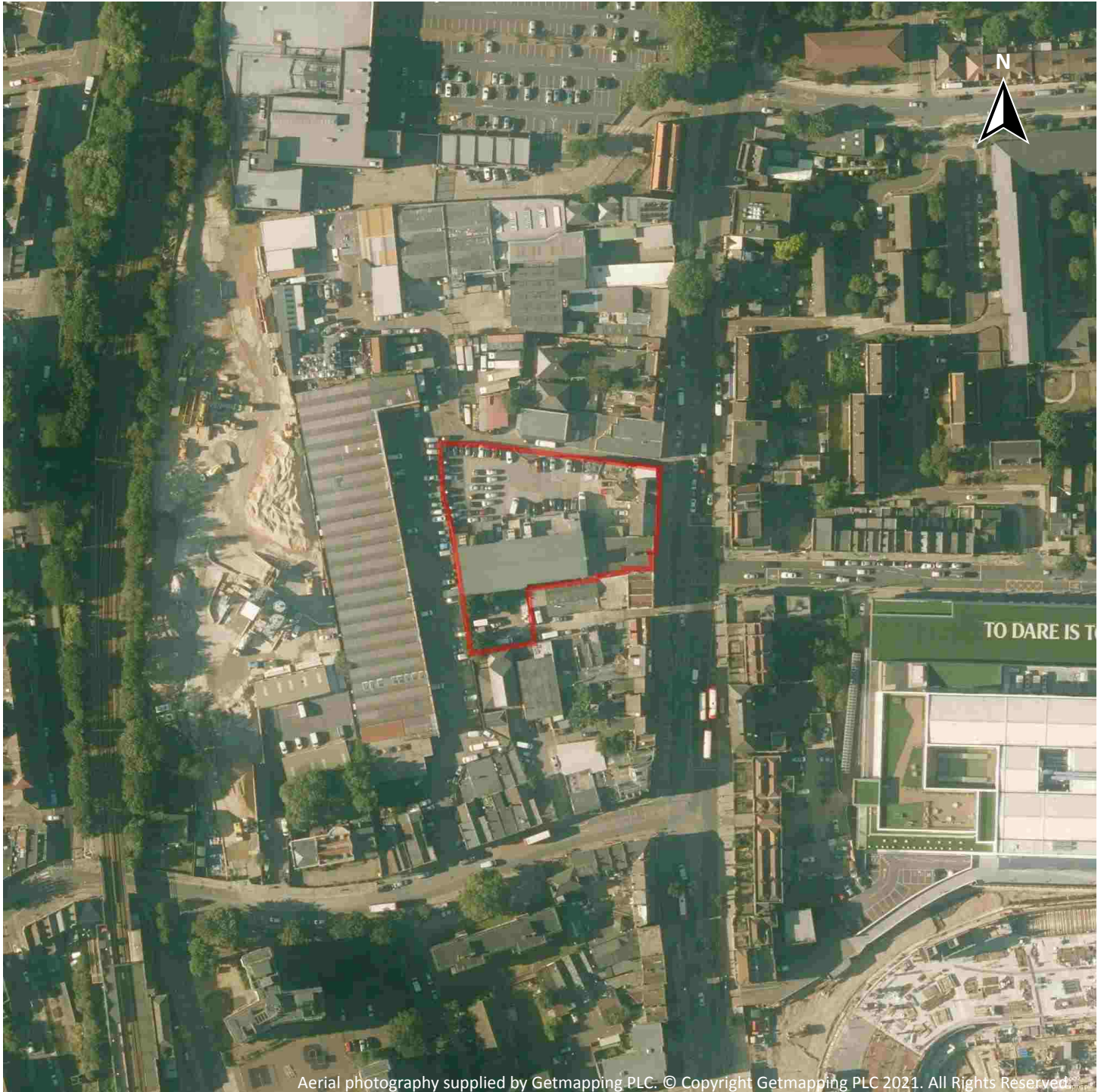


Capture Date: 22/08/2019

Site Area: 0.36ha



Recent site history - 2016 aerial photograph



Capture Date: 12/08/2016

Site Area: 0.36ha



Recent site history - 2013 aerial photograph



Capture Date: 28/04/2013

Site Area: 0.36ha



Recent site history - 1999 aerial photograph

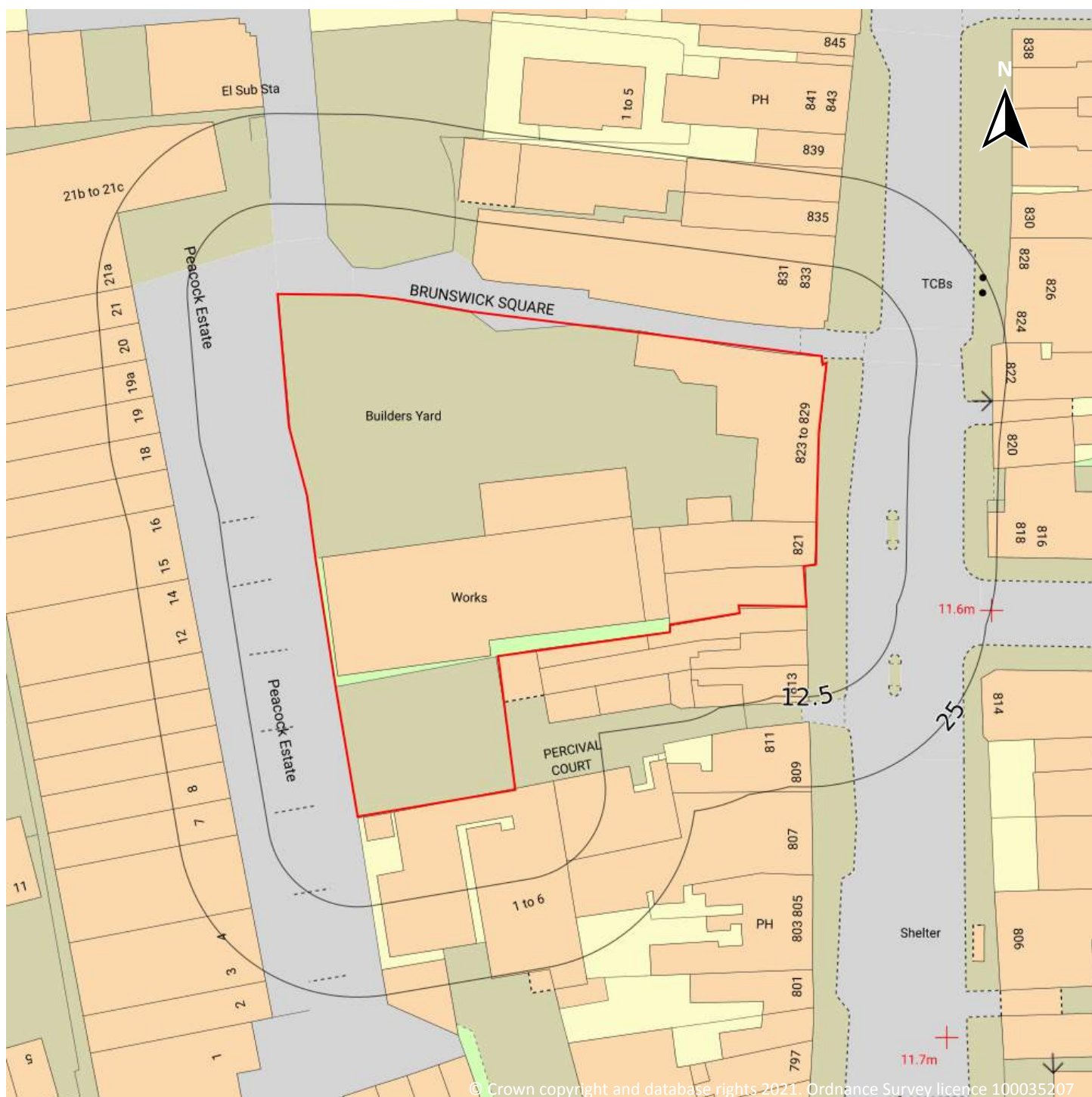


Capture Date: 04/09/1999

Site Area: 0.36ha



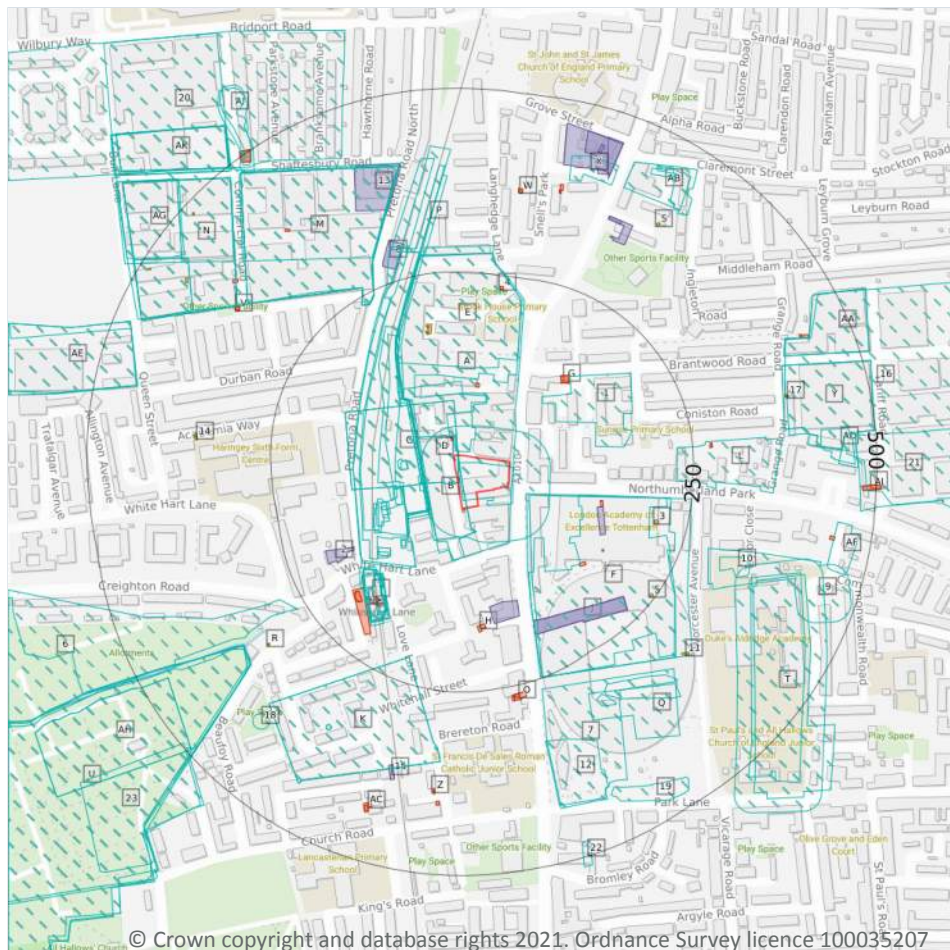
OS MasterMap site plan



Site Area: 0.36ha



1 Past land use



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

1.1 Historical industrial land uses

Records within 500m

105

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 13**

ID	Location	Land use	Dates present	Group ID
A	On site	Industrial Estate	1991	2138464



ID	Location	Land use	Dates present	Group ID
B	On site	Unspecified Works	1966 - 1974	2190438
B	On site	Brewery	1869	2190962
B	On site	Brewery	1879	2228992
C	On site	Nursery	1879	2184251
C	On site	Nursery	1869	2264030
D	On site	Unspecified Works	1982	2282583
E	5m N	Unspecified Works	1966	2281093
F	27m E	Unspecified Works	1991	2242112
F	31m E	Unspecified Commercial/Industrial	1982	2130922
C	43m W	Railway Sidings	1982	2174963
C	44m W	Railway Sidings	1938	2253845
C	45m W	Railway Sidings	1966 - 1974	2173216
C	47m W	Railway Sidings	1896 - 1920	2273483
C	47m W	Railway Sidings	1951	2207060
C	64m W	Railway Building	1982	2276077
C	65m W	Railway Building	1966 - 1974	2239288
C	73m W	Railway Sidings	1894 - 1896	2260413
C	76m W	Railway Building	1982	2186771
F	78m SE	Unspecified Works	1966	2251591
C	79m W	Railway Buildings	1974	2189841
1	84m NE	Unspecified Works	1966	2159806
C	84m W	Railway Building	1966	2282020
C	87m SW	Railway Building	1920	2264809
C	88m SW	Railway Building	1894	2205450
C	97m W	Railway Buildings	1920 - 1938	2257780
C	100m W	Railway Building	1966	2198272
C	101m W	Railway Building	1894	2257929
C	112m SW	Railway Building	1966	2188842



ID	Location	Land use	Dates present	Group ID
C	112m W	Railway Building	1894	2190065
C	117m SW	Railway Building	1894	2188889
E	121m N	Unspecified Commercial/Industrial	1982	2130921
I	139m SW	Railway Station	1982	2184784
I	141m SW	Railway Buildings	1938	2163597
I	141m SW	Railway Station	1974	2214287
I	143m SW	Railway Station	1896	2290914
I	143m SW	Railway Station	1966 - 1991	2193661
I	143m SW	Railway Station	1951	2281098
I	143m SW	Railway Station	1894	2243580
I	146m SW	Railway Station	1920	2286140
K	215m S	Brick Field	1869	2217194
K	215m S	Brick Field	1879	2254019
L	228m E	Nursery	1894 - 1896	2241132
M	235m NW	Unspecified Commercial/Industrial	1982	2173513
M	235m NW	Unspecified Works	1966 - 1974	2173763
M	235m NW	Unspecified Works	1991	2202257
N	237m NW	Unspecified Commercial/Industrial	1951	2286870
6	262m SW	Nurseries	1894 - 1896	2274145
7	265m S	Unspecified Works	1982 - 1991	2172317
P	275m N	Railway Sidings	1920	2294787
9	285m E	Nursery	1894 - 1896	2281563
P	289m N	Railway Sidings	1894	2236915
M	292m NW	Unspecified Commercial/Industrial	1938	2208648
Q	297m SE	Nursery	1896	2161492
Q	300m SE	Unspecified Heap	1920	2136527
10	304m E	Nursery	1896	2197402
Q	307m SE	Unspecified Heap	1920	2136526



ID	Location	Land use	Dates present	Group ID
12	333m S	Unspecified Works	1966 - 1974	2171945
T	334m E	Nursery	1894	2187311
K	346m SW	Clay Mill	1869	2179566
K	346m SW	Clay Mill	1879	2254972
U	350m SW	Cemetery	1920 - 1938	2280893
U	352m SW	Cemetery	1951	2184718
U	352m SW	Cemetery	1982	2233310
U	352m SW	Cemetery	1966 - 1991	2250548
U	353m SW	Cemetery	1894	2273331
T	353m E	Nursery	1896	2169381
N	359m NW	Industrial Estate	1991	2138463
N	359m NW	Unspecified Works	1982	2233453
N	359m NW	Unspecified Works	1966 - 1974	2246238
T	361m E	Nursery	1920 - 1938	2244558
Y	377m E	Unspecified Works	1966 - 1974	2223497
Y	377m E	Unspecified Works	1982	2258113
16	382m E	Industrial Estate	1991	2138473
18	387m SW	Unspecified Tank	1991	2154841
X	392m N	Unspecified Manufactory	1864 - 1866	2289151
N	400m NW	Unspecified Commercial/Industrial	1938	2236229
AA	400m E	Unspecified Works	1982	2221409
AA	400m E	Unspecified Works	1974	2244020
AB	405m NE	Unspecified Manufactory	1864	2138014
N	407m NW	Unspecified Works	1982	2241238
AB	410m NE	Smithy	1920	2187452
AD	424m E	Nursery	1896 - 1897	2191059
19	425m SE	Unspecified Heap	1920	2136529
20	433m N	Brick Field	1920	2237467



ID	Location	Land use	Dates present	Group ID
AB	436m NE	Smithy	1920	2253260
AE	442m W	Furniture Manufactory	1951	2135645
AE	442m W	Unspecified Works	1966 - 1974	2184987
AE	443m W	Unspecified Works	1982 - 1991	2286967
AD	448m E	Nursery	1920	2283558
AF	448m E	Nursery	1896 - 1897	2242278
AG	454m NW	Waterproof Factory	1938	2139570
AG	458m NW	Weatherproof Manufactory	1938	2140541
AH	462m SW	Cemetery	1879	2225933
AH	462m SW	Cemetery	1869	2246353
AI	471m NW	Gravel Pit	1920	2222593
21	472m E	Nursery	1894	2203449
22	479m S	Fire Station	1966	2128167
AI	485m NW	Gravel Pit	1920	2265325
AK	493m NW	Distillery	1938	2142709
AK	494m NW	Essence Distillery	1938	2165039
23	496m SW	Cemetery	1896	2225930
AK	497m NW	Unspecified Commercial/Industrial	1982	2228423
AK	497m NW	Unspecified Works	1966 - 1974	2267435
AK	497m NW	Unspecified Works	1991	2270885

This data is sourced from Ordnance Survey / Groundsure.

1.2 Historical tanks

Records within 500m

19

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 13**



ID	Location	Land use	Dates present	Group ID
B	0m S	Tanks	1983 - 1996	393285
F	154m SE	Unspecified Tank	1955	393040
F	154m SE	Unspecified Tank	1955	407664
E	168m N	Tanks	1970 - 1997	400285
E	169m N	Tanks	1984	405310
E	176m N	Tanks	1992 - 1997	392052
E	178m N	Tanks	1970 - 1975	403081
3	205m E	Unspecified Tank	1955 - 1968	383995
5	243m SE	Unspecified Tank	1913	364991
R	321m SW	Unspecified Tank	1983	387700
R	321m SW	Unspecified Tank	1991 - 1996	411447
11	327m SE	Tanks	1975 - 1986	401525
14	350m W	Unspecified Tank	1955	382052
S	380m NE	Unspecified Tank	1867	364990
17	385m E	Unspecified Tank	1977 - 1991	407243
N	433m NW	Unspecified Tank	1973 - 1983	383542
N	482m NW	Unspecified Tank	1955	390668
N	483m NW	Unspecified Tank	1955	407789
N	484m NW	Unspecified Tank	1973	364988

This data is sourced from Ordnance Survey / Groundsure.

1.3 Historical energy features

Records within 500m

36

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 13**



ID	Location	Land use	Dates present	Group ID
D	21m N	Electricity Substation	1975 - 1997	257983
A	95m N	Electricity Substation	1984 - 1997	292602
F	127m E	Electricity Substation	1972 - 1996	267163
G	129m NE	Electricity Substation	1955 - 1997	283967
G	129m NE	Electricity Substation	1955	282218
F	142m SE	Electricity Substation	1972 - 1996	277996
H	160m S	Electricity Substation	1972 - 1996	285215
I	171m SW	Electricity Substation	1955	273794
I	174m SW	Electricity Substation	1955	288942
I	180m SW	Electricity Substation	1955 - 1996	279514
4	231m N	Electricity Substation	1992 - 1997	276137
O	261m S	Electricity Substation	1955	269773
O	261m S	Electricity Substation	1981	273338
O	262m S	Electricity Substation	1983 - 1996	289428
L	273m E	Electricity Substation	1977 - 1991	292501
L	273m E	Electricity Substation	1981 - 1991	269093
V	352m NW	Electricity Substation	1991 - 1997	269478
V	353m NW	Electricity Substation	1973 - 1983	259335
W	365m N	Electricity Substation	1992 - 1997	263459
W	366m N	Electricity Substation	1975	257795
X	372m N	Electricity Substation	1984 - 1997	259203
X	376m N	Electricity Substation	1970 - 1975	273502
V	377m NW	Electricity Substation	1955	257529
M	379m NW	Electricity Substation	1992 - 1997	262523
Z	384m S	Electricity Substation	1983	268189
Z	386m S	Electricity Substation	1991 - 1996	265610
Z	400m S	Electricity Substation	1972 - 1981	266337
AC	419m S	Electricity Substation	1981	291660



ID	Location	Land use	Dates present	Group ID
AC	424m S	Electricity Substation	1972 - 1996	292134
AA	430m NE	Electricity Substation	1977 - 1991	291744
AA	434m NE	Electricity Substation	1991	276992
AF	443m E	Electricity Substation	1975 - 1996	292449
AJ	481m E	Electricity Substation	1955 - 1986	269996
AJ	481m E	Electricity Substation	1991 - 1996	270510
AI	487m NW	Electricity Substation	1955	279373
AI	487m NW	Electricity Substation	1955 - 1997	281972

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

14

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 13**

ID	Location	Land use	Dates present	Group ID
F	125m E	Garage	1992 - 1996	82291
H	135m S	Garage	1964 - 1972	83153
2	156m W	Garage	1992 - 1996	84762



ID	Location	Land use	Dates present	Group ID
J	174m SE	Garage	1955	81051
J	174m SE	Garage	1964 - 1967	85704
8	265m N	Garage	1992 - 1997	86165
S	333m NE	Garage	1965	78724
13	346m N	Garage	1992 - 1997	84871
S	357m NE	Garage	1955	81479
15	361m S	Garage	1964	73548
X	409m N	Garage	1991	78557
X	411m N	Garage	1964	79588
X	415m N	Garage	1955 - 1991	85875
X	438m N	Garage	1984	78426

This data is sourced from Ordnance Survey / Groundsure.

1.6 Historical military land

Records within 500m

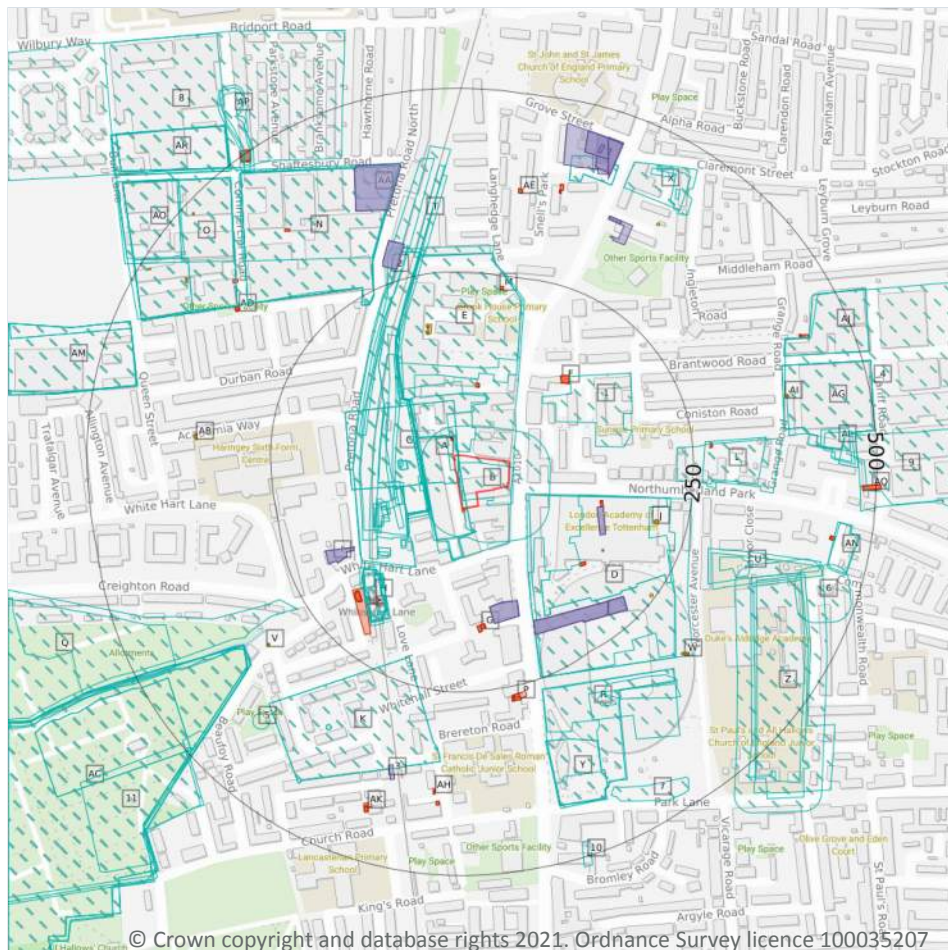
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Areas of military land digitised from multiple sources including the National Archives, local records, MOD records and verified other sources, intelligently grouped into contiguous features.

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



2 Past land use - un-grouped



- Site Outline
- Search buffers in metres (m)
- Historical industrial land uses
- Historical tanks
- Historical energy features
- Historical garages

2.1 Historical industrial land uses

Records within 500m

136

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
A	On site	Unspecified Works	1982	2282583
A	On site	Industrial Estate	1991	2138464
B	On site	Brewery	1869	2190962



ID	Location	Land Use	Date	Group ID
B	On site	Brewery	1879	2228992
B	On site	Unspecified Works	1966	2190438
B	On site	Unspecified Works	1974	2190438
C	On site	Nursery	1869	2264030
C	On site	Nursery	1879	2184251
A	5m N	Unspecified Works	1966	2281093
D	27m E	Unspecified Works	1991	2242112
D	31m E	Unspecified Commercial/Industrial	1982	2130922
C	43m W	Railway Sidings	1982	2174963
C	44m W	Railway Sidings	1938	2253845
C	45m W	Railway Sidings	1966	2173216
C	45m W	Railway Sidings	1974	2173216
C	47m W	Railway Sidings	1920	2273483
C	47m W	Railway Sidings	1951	2207060
C	64m W	Railway Building	1982	2276077
C	65m W	Railway Building	1974	2239288
C	70m W	Railway Building	1966	2239288
C	73m W	Railway Sidings	1894	2260413
C	76m W	Railway Building	1982	2186771
D	78m SE	Unspecified Works	1966	2251591
C	79m W	Railway Buildings	1974	2189841
C	83m W	Railway Sidings	1896	2273483
1	84m NE	Unspecified Works	1966	2159806
C	84m W	Railway Building	1966	2282020
C	87m SW	Railway Building	1920	2264809
C	88m SW	Railway Building	1894	2205450
E	96m NW	Unspecified Works	1966	2281093
D	97m E	Unspecified Works	1966	2251591



ID	Location	Land Use	Date	Group ID
C	97m W	Railway Buildings	1938	2257780
C	100m W	Railway Buildings	1920	2257780
C	100m W	Railway Building	1966	2198272
C	101m W	Railway Building	1894	2257929
C	112m W	Railway Building	1894	2190065
C	112m SW	Railway Building	1966	2188842
C	117m SW	Railway Building	1894	2188889
E	121m N	Unspecified Commercial/Industrial	1982	2130921
2	123m W	Railway Sidings	1896	2260413
H	139m SW	Railway Station	1982	2184784
H	141m SW	Railway Buildings	1938	2163597
H	141m SW	Railway Station	1974	2214287
H	143m SW	Railway Station	1896	2290914
H	143m SW	Railway Station	1991	2193661
H	143m SW	Railway Station	1966	2193661
H	143m SW	Railway Station	1951	2281098
H	143m SW	Railway Station	1894	2243580
H	146m SW	Railway Station	1920	2286140
K	215m S	Brick Field	1869	2217194
K	215m S	Brick Field	1879	2254019
L	228m E	Nursery	1894	2241132
N	235m NW	Unspecified Commercial/Industrial	1982	2173513
N	235m NW	Unspecified Works	1991	2202257
N	235m NW	Unspecified Works	1966	2173763
N	235m NW	Unspecified Works	1974	2173763
O	237m NW	Unspecified Commercial/Industrial	1951	2286870
Q	262m SW	Nurseries	1896	2274145
L	263m E	Nursery	1896	2241132



ID	Location	Land Use	Date	Group ID
R	265m S	Unspecified Works	1982	2172317
R	265m S	Unspecified Works	1991	2172317
T	274m N	Railway Sidings	1938	2253845
T	275m N	Railway Sidings	1920	2294787
U	285m E	Nursery	1896	2281563
T	289m N	Railway Sidings	1894	2236915
N	292m NW	Unspecified Commercial/Industrial	1938	2208648
U	292m E	Nursery	1894	2281563
R	297m SE	Nursery	1896	2161492
R	300m SE	Unspecified Heap	1920	2136527
U	304m E	Nursery	1896	2197402
R	307m SE	Unspecified Heap	1920	2136526
Y	333m S	Unspecified Works	1966	2171945
Y	333m S	Unspecified Works	1974	2171945
Z	334m E	Nursery	1894	2187311
K	346m SW	Clay Mill	1869	2179566
K	346m SW	Clay Mill	1879	2254972
AC	350m SW	Cemetery	1938	2280893
AC	352m SW	Cemetery	1982	2233310
AC	352m SW	Cemetery	1991	2250548
AC	352m SW	Cemetery	1966	2250548
AC	352m SW	Cemetery	1951	2184718
AC	352m SW	Cemetery	1974	2250548
AC	353m SW	Cemetery	1920	2280893
AC	353m SW	Cemetery	1894	2273331
Z	353m E	Nursery	1896	2169381
O	359m NW	Unspecified Works	1982	2233453
O	359m NW	Industrial Estate	1991	2138463



ID	Location	Land Use	Date	Group ID
O	359m NW	Unspecified Works	1966	2246238
O	359m NW	Unspecified Works	1974	2246238
Z	361m E	Nursery	1920	2244558
Z	362m E	Nursery	1938	2244558
AG	377m E	Unspecified Works	1982	2258113
AG	377m E	Unspecified Works	1966	2223497
AG	377m E	Unspecified Works	1974	2223497
4	382m E	Industrial Estate	1991	2138473
5	387m SW	Unspecified Tank	1991	2154841
AF	392m N	Unspecified Manufactory	1866	2289151
AF	392m N	Unspecified Manufactory	1864	2289151
O	400m NW	Unspecified Commercial/Industrial	1938	2236229
AJ	400m E	Unspecified Works	1982	2221409
AJ	400m E	Unspecified Works	1974	2244020
X	405m NE	Unspecified Manufactory	1864	2138014
O	407m NW	Unspecified Works	1982	2241238
X	410m NE	Smithy	1920	2187452
6	412m E	Nursery	1894	2281563
X	423m NE	Smithy	1920	2187452
AL	424m E	Nursery	1897	2191059
7	425m SE	Unspecified Heap	1920	2136529
AL	428m E	Nursery	1896	2191059
8	433m N	Brick Field	1920	2237467
Q	434m W	Nurseries	1894	2274145
X	436m NE	Smithy	1920	2253260
AM	442m W	Unspecified Works	1966	2184987
AM	442m W	Unspecified Works	1974	2184987
AM	442m W	Furniture Manufactory	1951	2135645



ID	Location	Land Use	Date	Group ID
AM	443m W	Unspecified Works	1982	2286967
AM	443m W	Unspecified Works	1991	2286967
AL	448m E	Nursery	1920	2283558
AN	448m E	Nursery	1897	2242278
AN	449m E	Nursery	1896	2242278
AO	454m NW	Waterproof Factory	1938	2139570
AO	458m NW	Weatherproof Manufactory	1938	2140541
AC	462m SW	Cemetery	1879	2225933
AC	462m SW	Cemetery	1869	2246353
AP	471m NW	Gravel Pit	1920	2222593
9	472m E	Nursery	1894	2203449
AP	476m NW	Gravel Pit	1920	2222593
10	479m S	Fire Station	1966	2128167
AP	485m NW	Gravel Pit	1920	2265325
AR	493m NW	Distillery	1938	2142709
AR	494m NW	Essence Distillery	1938	2165039
11	496m SW	Cemetery	1896	2225930
AR	497m NW	Unspecified Commercial/Industrial	1982	2228423
AR	497m NW	Unspecified Works	1991	2270885
AR	497m NW	Unspecified Works	1966	2267435
AR	497m NW	Unspecified Works	1974	2267435

This data is sourced from Ordnance Survey / Groundsure.

2.2 Historical tanks

Records within 500m

40

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

Features are displayed on the Past land use - un-grouped map on **page 22**



ID	Location	Land Use	Date	Group ID
B	0m S	Tanks	1983	393285
B	1m S	Tanks	1996	393285
B	1m S	Tanks	1992	393285
B	1m S	Tanks	1991	393285
D	154m SE	Unspecified Tank	1955	393040
D	154m SE	Unspecified Tank	1955	407664
E	168m N	Tanks	1992	400285
E	168m N	Tanks	1997	400285
E	169m N	Tanks	1984	405310
E	170m N	Tanks	1970	400285
E	170m N	Tanks	1975	400285
E	176m N	Tanks	1992	392052
E	176m N	Tanks	1997	392052
E	178m N	Tanks	1970	403081
E	178m N	Tanks	1975	403081
J	205m E	Unspecified Tank	1968	383995
J	205m E	Unspecified Tank	1955	383995
J	205m E	Unspecified Tank	1955	383995
J	205m E	Unspecified Tank	1967	383995
D	243m SE	Unspecified Tank	1913	364991
V	321m SW	Unspecified Tank	1983	387700
V	321m SW	Unspecified Tank	1996	411447
V	321m SW	Unspecified Tank	1992	411447
V	321m SW	Unspecified Tank	1991	411447
W	327m SE	Tanks	1981	401525
W	327m SE	Tanks	1986	401525
W	328m SE	Tanks	1975	401525
AB	350m W	Unspecified Tank	1955	382052

ID	Location	Land Use	Date	Group ID
AB	351m W	Unspecified Tank	1955	382052
X	380m NE	Unspecified Tank	1867	364990
AI	385m E	Unspecified Tank	1991	407243
AI	385m E	Unspecified Tank	1991	407243
AI	386m E	Unspecified Tank	1977	407243
AI	386m E	Unspecified Tank	1981	407243
AI	386m E	Unspecified Tank	1991	407243
O	433m NW	Unspecified Tank	1973	383542
O	433m NW	Unspecified Tank	1983	383542
O	482m NW	Unspecified Tank	1955	390668
O	483m NW	Unspecified Tank	1955	407789
O	484m NW	Unspecified Tank	1973	364988

This data is sourced from Ordnance Survey / Groundsure.

2.3 Historical energy features

Records within 500m

113

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
A	21m N	Electricity Substation	1992	257983
A	21m N	Electricity Substation	1997	257983
A	21m N	Electricity Substation	1975	257983
A	22m N	Electricity Substation	1984	257983
A	95m N	Electricity Substation	1992	292602
A	95m N	Electricity Substation	1997	292602
A	95m N	Electricity Substation	1984	292602
D	127m E	Electricity Substation	1981	267163



ID	Location	Land Use	Date	Group ID
D	127m E	Electricity Substation	1972	267163
D	127m E	Electricity Substation	1983	267163
D	128m E	Electricity Substation	1996	267163
D	128m E	Electricity Substation	1992	267163
D	128m E	Electricity Substation	1991	267163
F	129m NE	Electricity Substation	1992	283967
F	129m NE	Electricity Substation	1997	283967
F	129m NE	Electricity Substation	1984	283967
F	129m NE	Electricity Substation	1955	282218
F	129m NE	Electricity Substation	1970	283967
F	129m NE	Electricity Substation	1975	283967
F	129m NE	Electricity Substation	1955	283967
D	142m SE	Electricity Substation	1996	277996
D	142m SE	Electricity Substation	1991	277996
D	143m SE	Electricity Substation	1981	277996
D	143m SE	Electricity Substation	1972	277996
D	143m SE	Electricity Substation	1983	277996
G	160m S	Electricity Substation	1972	285215
G	160m S	Electricity Substation	1983	285215
G	160m S	Electricity Substation	1981	285215
G	161m S	Electricity Substation	1996	285215
G	161m S	Electricity Substation	1992	285215
G	161m S	Electricity Substation	1991	285215
H	171m SW	Electricity Substation	1955	273794
H	174m SW	Electricity Substation	1955	288942
H	174m SW	Electricity Substation	1955	288942
H	180m SW	Electricity Substation	1996	279514
H	180m SW	Electricity Substation	1992	279514



ID	Location	Land Use	Date	Group ID
H	180m SW	Electricity Substation	1991	279514
H	180m SW	Electricity Substation	1955	279514
H	181m SW	Electricity Substation	1972	279514
H	181m SW	Electricity Substation	1983	279514
H	181m SW	Electricity Substation	1981	279514
M	231m N	Electricity Substation	1992	276137
M	231m N	Electricity Substation	1997	276137
P	261m S	Electricity Substation	1955	269773
P	261m S	Electricity Substation	1981	273338
P	262m S	Electricity Substation	1983	289428
P	262m S	Electricity Substation	1996	289428
P	262m S	Electricity Substation	1992	289428
P	262m S	Electricity Substation	1991	289428
P	265m S	Electricity Substation	1955	269773
L	273m E	Electricity Substation	1977	292501
L	273m E	Electricity Substation	1981	269093
L	273m E	Electricity Substation	1991	269093
L	273m E	Electricity Substation	1991	292501
L	273m E	Electricity Substation	1991	292501
AD	352m NW	Electricity Substation	1997	269478
AD	352m NW	Electricity Substation	1992	269478
AD	352m NW	Electricity Substation	1995	269478
AD	352m NW	Electricity Substation	1994	269478
AD	352m NW	Electricity Substation	1991	269478
AD	352m NW	Electricity Substation	1995	269478
AD	353m NW	Electricity Substation	1973	259335
AD	354m NW	Electricity Substation	1983	259335
AE	365m N	Electricity Substation	1992	263459



ID	Location	Land Use	Date	Group ID
AE	365m N	Electricity Substation	1997	263459
AE	366m N	Electricity Substation	1975	257795
AF	372m N	Electricity Substation	1992	259203
AF	372m N	Electricity Substation	1997	259203
AF	373m N	Electricity Substation	1984	259203
AF	376m N	Electricity Substation	1970	273502
AF	376m N	Electricity Substation	1975	273502
AD	377m NW	Electricity Substation	1955	257529
N	379m NW	Electricity Substation	1992	262523
N	379m NW	Electricity Substation	1997	262523
AD	379m NW	Electricity Substation	1955	257529
AH	384m S	Electricity Substation	1983	268189
AH	386m S	Electricity Substation	1996	265610
AH	386m S	Electricity Substation	1992	265610
AH	386m S	Electricity Substation	1991	265610
AH	400m S	Electricity Substation	1981	266337
AH	400m S	Electricity Substation	1972	266337
AK	419m S	Electricity Substation	1981	291660
AK	424m S	Electricity Substation	1972	292134
AK	424m S	Electricity Substation	1983	292134
AK	426m S	Electricity Substation	1996	292134
AK	426m S	Electricity Substation	1992	292134
AK	426m S	Electricity Substation	1991	292134
AJ	430m NE	Electricity Substation	1981	291744
AJ	430m NE	Electricity Substation	1991	291744
AJ	430m NE	Electricity Substation	1977	291744
AJ	434m NE	Electricity Substation	1991	276992
AJ	434m NE	Electricity Substation	1991	276992



ID	Location	Land Use	Date	Group ID
AN	443m E	Electricity Substation	1981	292449
AN	443m E	Electricity Substation	1986	292449
AN	445m E	Electricity Substation	1975	292449
AN	445m E	Electricity Substation	1996	292449
AN	445m E	Electricity Substation	1991	292449
AQ	481m E	Electricity Substation	1981	269996
AQ	481m E	Electricity Substation	1986	269996
AQ	481m E	Electricity Substation	1996	270510
AQ	481m E	Electricity Substation	1991	270510
AQ	482m E	Electricity Substation	1968	269996
AQ	482m E	Electricity Substation	1975	269996
AQ	482m E	Electricity Substation	1955	269996
AQ	482m E	Electricity Substation	1955	269996
AQ	482m E	Electricity Substation	1967	269996
AP	487m NW	Electricity Substation	1955	279373
AP	487m NW	Electricity Substation	1970	281972
AP	487m NW	Electricity Substation	1975	281972
AP	487m NW	Electricity Substation	1955	281972
AP	487m NW	Electricity Substation	1984	281972
AP	488m NW	Electricity Substation	1992	281972
AP	488m NW	Electricity Substation	1997	281972

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

32

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

Features are displayed on the Past land use - un-grouped map on **page 22**

ID	Location	Land Use	Date	Group ID
D	125m E	Garage	1996	82291
D	125m E	Garage	1992	82291
G	135m S	Garage	1972	83153
G	136m S	Garage	1964	83153
I	156m W	Garage	1996	84762
I	156m W	Garage	1992	84762
D	174m SE	Garage	1955	81051
D	174m SE	Garage	1964	85704
D	174m SE	Garage	1955	81051
D	206m SE	Garage	1955	81051
D	207m SE	Garage	1955	81051
D	207m SE	Garage	1967	85704
S	265m N	Garage	1997	86165
S	265m N	Garage	1992	86165
X	333m NE	Garage	1965	78724
AA	346m N	Garage	1997	84871
AA	346m N	Garage	1992	84871
X	357m NE	Garage	1955	81479
X	357m N	Garage	1955	81479
3	361m S	Garage	1964	73548
AF	409m N	Garage	1991	78557
AF	411m N	Garage	1964	79588
AF	415m N	Garage	1991	85875

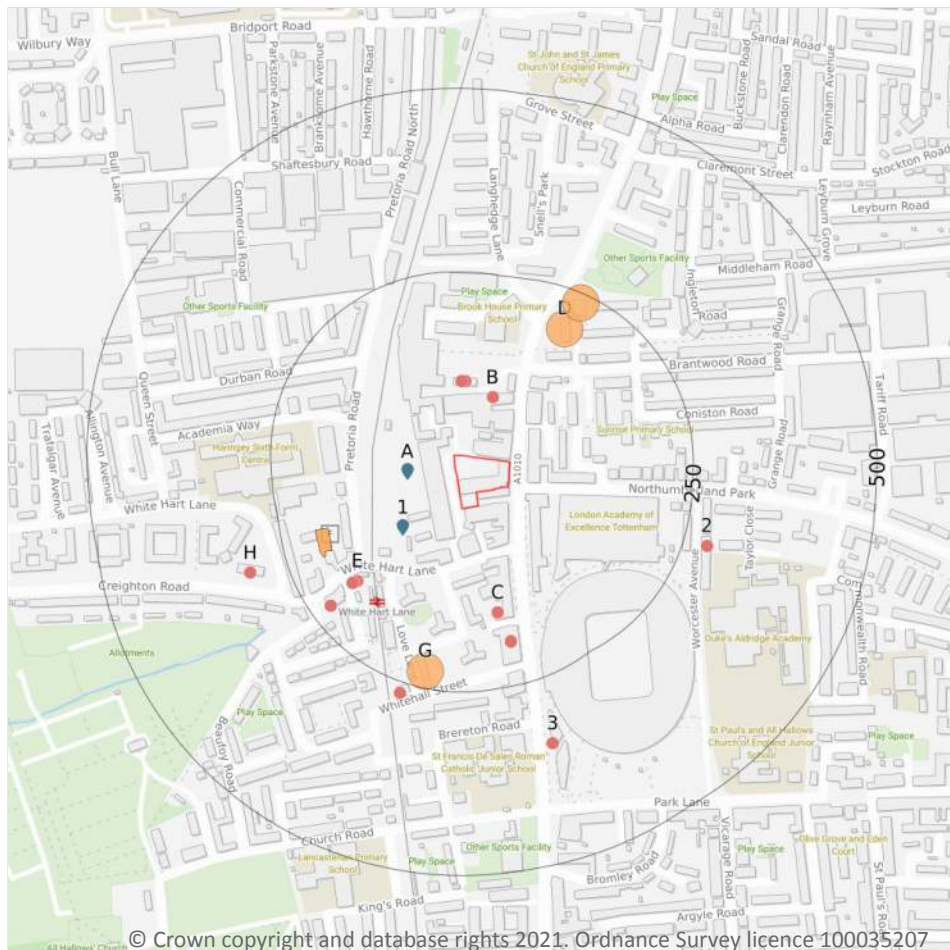


ID	Location	Land Use	Date	Group ID
AF	415m N	Garage	1991	85875
AF	416m N	Garage	1965	85875
AF	416m N	Garage	1977	85875
AF	416m N	Garage	1970	85875
AF	416m N	Garage	1975	85875
AF	433m N	Garage	1955	85875
AF	433m N	Garage	1955	85875
AF	438m N	Garage	1984	78426
AF	438m N	Garage	1968	85875

This data is sourced from Ordnance Survey / Groundsure.



3 Waste and landfill



- Site Outline
- Search buffers in metres (m)
- Historical waste sites
- Licensed waste sites
- Waste exemptions

3.1 Active or recent landfill

Records within 500m

0

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

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

3.2 Historical landfill (BGS records)

Records within 500m

0

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

This data is sourced from the British Geological Survey.



3.3 Historical landfill (LA/mapping records)

Records within 500m

0

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

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

3.4 Historical landfill (EA/NRW records)

Records within 500m

0

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

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

3.5 Historical waste sites

Records within 500m

5

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 36**

ID	Location	Address	Further Details	Date
D	171m N	Site Address: Altair Close, LONDON, Central London, N17 0	Type of Site: Waste Storage Shed Planning application reference: HGY/2008/2275 Description: Scheme comprises installation of pre cast concrete storage shed within housing estate boundary to facilitate storage and collection of bulk rubbish to council housing estate. An application (ref: HGY/2008/2275) for detailed planning permission was granted by Haringey L.B. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
F	184m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1983

ID	Location	Address	Further Details	Date
F	184m W	Site Address: N/A	Type of Site: Scrap Yard Planning application reference: N/A Description: N/A Data source: Historic Mapping Data Type: Polygon	1991
G	202m S	Site Address: 2-32 Whitehall Street, LONDON, Central London, N17 8BP	Type of Site: Waste Storage Shed Planning application reference: HGY/2008/2265 Description: Scheme comprises installation of pre cast concrete storage shed within housing estate boundary to facilitate storage and collection of bulk rubbish to council housing estate. An application (ref: HGY/2008/2265) for detailed planning permission was withdrawn from Haringey L.B. Planning decision obtained Data source: Historic Planning Application Data Type: Point	-
D	212m NE	Site Address: Stellar House, 900 High Road, LONDON, Central London, N17 0DZ	Type of Site: Waste Storage Shed Planning application reference: HGY/2008/2271 Description: Scheme comprises installation of pre cast concrete storage shed within housing estate boundary to facilitate storage and collection of bulk rubbish to council housing estate. An application (ref: HGY/2008/2271) for detailed planning permission was granted by Haringey L.B. 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

3

Active or recently closed waste sites under Environment Agency/Natural Resources Wales regulation.
 Features are displayed on the Waste and landfill map on **page 36**



ID	Location	Details		
A	65m W	Site Name: Redcorn Limited Site Address: B Luther, British Rail Sidings, 44, White Hart Lane, Tottenham, London, N17 8DP Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RED004 EPR reference: EA/EPR/RP3491NX/S002 Operator: Redcorn Ltd Waste Management licence No: 80343 Annual Tonnage: 0	Issue Date: 22/05/1996 Effective Date: - Modified:: - Surrendered Date: Oct 12 2016 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
A	65m W	Site Name: White Hart Lane Site Address: 44, White Hart Lane, Tottenham, London, N17 8DP Correspondence Address: -	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: >= 25000 tonnes 75000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RED008 EPR reference: EA/EPR/EP3997NE/S002 Operator: Redcorn Ltd Waste Management licence No: 80607 Annual Tonnage: 824989	Issue Date: 10/01/2005 Effective Date: - Modified:: - Surrendered Date: Oct 12 2016 12:00AM Expiry Date: - Cancelled Date: - Status: Surrendered
1	85m W	Site Name: Redcorn Limited Site Address: B Luther, British Rail Sidings, 44, White Hart Lane, Tottenham, London, N17 8DP Correspondence Address: Redcorn Limited, British Rail Sidings, 44, White Hart Lane, Tottenham, London, N17 8DP	Type of Site: Metal Recycling Site (Vehicle Dismantler) Size: 25000 tonnes Environmental Permitting Regulations (Waste) Licence Number: RED004 EPR reference: - Operator: Redcorn Limited Waste Management licence No: 80343 Annual Tonnage: 0	Issue Date: 22/05/1996 Effective Date: - Modified:: - 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

19

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 36**



ID	Location	Site	Reference	Category	Sub-Category	Description
B	83m N	Unit 3, REAR OF 867-869 High Road, 867-869 High Road, Tottenham, London, n17 8ey	WEX132418	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	83m N	Napclan Retail Limited T/a Pharmocare, Unit 3, 867-869 High Road, Tottenham, London, N17 8EY	WEX137405	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	101m N	867-869, UNIT 3, HIGH ROAD, LONDON, N17 8EY	WEX075534	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
B	101m N	Unit 3 867-869 High Road LONDON N17 8EY	EPR/XE5989W S/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
C	148m S	Unit -3, 867-869 High Road, Tottenham, London, N17 8AH	WEX137403	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	148m S	Napclan Retail Limited T/a Pharmocare, 753 High Road, Tottenham, London, N17 8AH	WEX137418	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	174m SW	65A, WHITE HART LANE, LONDON, N17 8HH	WEX105311	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	174m SW	65A, WHITE HART LANE, LONDON, N17 8HH	WEX075541	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	181m SW	Napclan Retail Limited T/a Pharmocare, 65A White Hart Lane, Tottenham, London, N17 8HH	WEX137393	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
E	181m SW	PHARMOCARE, 65A WHITE HART LANE, TOTTENHAM, LONDON, N17 8HH	WEX114750	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	190m S	753, HIGH ROAD, LONDON, N17 8AH	WEX075551	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
C	191m S	753 High Road LONDON N17 8AH	EPR/ME5085 WZ/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
E	224m SW	65a White Hart Lane LONDON N17 8HH	EPR/TE5680W J/A001	Treating waste exemption	Non-Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal

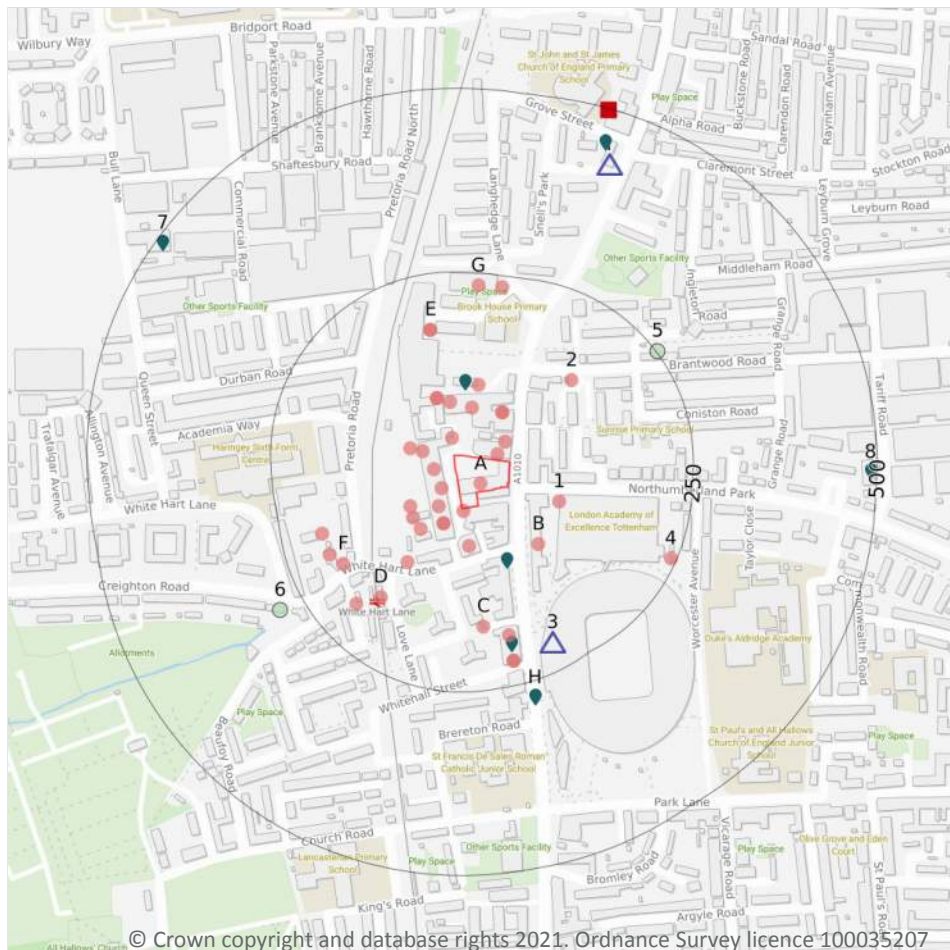


ID	Location	Site	Reference	Category	Sub-Category	Description
E	224m SW	65a White Hart Lane LONDON N17 8HH	EPR/XE5489W V/A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
G	266m S	Taylor Woodrow Site Office, Love Lane, Tottenham, London, N17 8HG	WEX163592	Treating waste exemption	Not on a Farm	Aerobic composting and associated prior treatment
2	283m E	748 High Road, Tottenham, London, N17 0TU	WEX105639	Using waste exemption	Not on a farm	Use of waste in construction
H	302m W	4-6, CREIGHTON ROAD, LONDON, N17 8NW	WEX193812	Treating waste exemption	Not on a farm	Sorting and de-naturing of controlled drugs for disposal
H	303m W	Somerset Gardens Pharmacy 4 Creighton Road LONDON N17 8NW	EPR/EF0538LS /A001	Treating waste exemption	Non- Agricultural Waste Only	Sorting and de-naturing of controlled drugs for disposal
3	339m S	748 High Road London London Borough of Haringey N17 0AP	EPR/DF0307TP /A001	Treating waste exemption	Non- Agricultural Waste Only	Crushing waste fluorescent tubes

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



4 Current industrial land use



- Site Outline
- Search buffers in metres (m)
- Recent industrial land uses
- ▲ Current or recent petrol stations
- Licensed pollutant release (Part A(2)/B)
- List 1 Dangerous Substances
- Pollution Incidents (EA/NRW)

4.1 Recent industrial land uses

Records within 250m

41

Current potentially contaminative industrial sites.

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Company	Address	Activity	Category
A	On site	Works	Greater London, N17	Unspecified Works Or Factories	Industrial Features
A	4m S	Tank	Greater London, N17	Tanks (Generic)	Industrial Features
A	9m N	Maryland Cars	Unit 24 Nesta Works, Brunswick Square, London, Greater London, N17 8ES	Vehicle Repair, Testing and Servicing	Repair and Servicing



ID	Location	Company	Address	Activity	Category
A	23m W	Santwynn Ltd	12-14 Peacock Estate, White Hart Lane Tottenham, London, Greater London, N17 8DP	Clothing, Components and Accessories	Consumer Products
A	24m N	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities
A	26m N	Elif Boutique	841, High Road, White Hart Lane, London, Greater London, N17 8EY	Clothing, Components and Accessories	Consumer Products
A	29m W	G A Joinery	Unit 19 Peacock Industrial Estate, White Hart Lane, London, Greater London, N17 8DT	General Construction Supplies	Industrial Products
A	31m W	G S Motors	Unit 6-8 Peacock Estate, 20-22 White Hart Lane, London, Greater London, N17 8DP	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	33m SW	Brittanic Auto Transmissions	Unit 3-4 Peacock Industrial Estate, White Hart Lane, London, Greater London, N17 8DT	Vehicle Repair, Testing and Servicing	Repair and Servicing
A	33m SW	Brittanic Auto Transmissions	Unit 3-4 Peacock Industrial Estate, White Hart Lane, London, Greater London, N17 8DT	Vehicle Components	Industrial Products
A	43m W	D A H Transport Ltd	Unit 21a Peacock Industrial Estate, White Hart Lane, London, Greater London, N17 8DT	Distribution and Haulage	Transport, Storage and Delivery
A	52m S	Inspire Print	12, White Hart Lane, London, Greater London, N17 8DP	Published Goods	Industrial Products
A	61m W	Depot	Greater London, N17	Container and Storage	Transport, Storage and Delivery
A	63m SW	Enterprise Park	Greater London, N17	Business Parks and Industrial Estates	Industrial Features
A	65m N	T K Y	869 High Road, Tottenham, London, Greater London, N17 8EY	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
A	65m N	D W General Wood Machinists Ltd	855-863, High Road, London, Greater London, N17 8EY	Wood Products Including Charcoal, Paper, Card and Board	Industrial Products
A	67m N	Works	Greater London, N17	Unspecified Works Or Factories	Industrial Features
A	67m W	Ink System	Unit 7 Carbery Enterprise Park 36, White Hart Lane, London, Greater London, N17 8DP	Printing Related Machinery	Industrial Products



ID	Location	Company	Address	Activity	Category
A	69m W	Depot	Greater London, N17	Container and Storage	Transport, Storage and Delivery
1	73m E	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities
A	73m N	Flo Rite Spray Finishers Ltd	Unit 33-34 Brunswick Square, White Hart Lane, London, Greater London, N17 8DT	Industrial Coatings and Finishings	Industrial Products
A	81m N	C & D Metalworks	Unit 31-32 Peacock Industrial Estate, White Hart Lane, London, Greater London, N17 8DT	Metals Manufacturers, Fabricators and Stockholders	Industrial Products
A	81m N	Makro Teknik	Unit 31-32 Peacock Industrial Estate, White Hart Lane, London, Greater London, N17 8DT	Construction Completion Services	Construction Services
B	88m SE	Eggfree Cake Box	810, High Road, London, Greater London, N17 0DH	Baking and Confectionery	Foodstuffs
A	99m N	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities
A	105m SW	E L V Solutions Ltd	44, White Hart Lane, London, Greater London, N17 8DP	Scrap Metal Merchants	Recycling Services
2	140m NE	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities
C	163m S	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities
D	164m SW	White Hart Lane Rail Station	Greater London, N17	Railway Stations, Junctions and Halts	Public Transport, Stations and Infrastructure
E	174m N	Tank	Greater London, N17	Tanks (Generic)	Industrial Features
E	174m N	Tanks	Greater London, N17	Tanks (Generic)	Industrial Features
F	179m SW	CCTV Securityland	3 White Hart Terrace, White Hart Lane, London, Greater London, N17 8HN	Electronic Equipment	Industrial Products
C	181m S	London Appliance Services	757, High Road, London, Greater London, N17 8AH	Electrical Equipment Repair and Servicing	Repair and Servicing
F	191m W	Star Motors	Garage White Hart Terrace, White Hart Lane, London, Greater London, N17 8HN	Vehicle Repair, Testing and Servicing	Repair and Servicing
F	194m W	Commercial Vehicle Sales	72, White Hart Lane, London, Greater London, N17 8HP	Vehicle Hire and Rental	Hire Services



ID	Location	Company	Address	Activity	Category
D	194m SW	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities
C	216m S	Tyres & Auto Repair Centre	743, High Road, London, Greater London, N17 8AH	Vehicle Repair, Testing and Servicing	Repair and Servicing
C	216m S	Tyres & Auto Repairs	743, High Road, London, Greater London, N17 8AH	Vehicle Parts and Accessories	Motoring
G	232m N	Deniz Catering Fast Food Ltd	Unit 4 Langhedge Lane Industrial Estate, Langhedge Lane, London, Greater London, N18 2TQ	Fish, Meat and Poultry Products	Foodstuffs
G	235m N	Electricity Sub Station	Greater London, N18	Electrical Features	Infrastructure and Facilities
4	242m SE	Electricity Sub Station	Greater London, N17	Electrical Features	Infrastructure and Facilities

This data is sourced from Ordnance Survey.

4.2 Current or recent petrol stations

Records within 500m

2

Open, closed, under development and obsolete petrol stations.

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Company	Address	LPG	Status
3	212m SE	TOTAL	776, High Road, Tottenham, London, Inner London, N17 0BX	Not Applicable	Obsolete
I	427m N	BP	57, Fore Street, Upper Edmonton, London, Outer London, N18 2SX	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 42**

ID	Location	Address	Details	
B	83m SE	Superstar Dry Cleaners, 789 High Road, Tottenham, N17 8AH	Process: Dry Cleaning Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
A	99m N	Euroclean, Unit 4, 867 High Rd, N17 8EY	Process: Dry Cleaning Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
C	194m S	Autohouse, 776 High Road, N17 0BX	Process: Respraying of Road Vehicles Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
H	272m S	Total, High Rd, N17 0BX	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

ID	Location	Address	Details	
H	272m S	Total, High Rd, N17 0BX	Process: Petrol Vapour Recovery Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
I	454m N	Edmonton Express, 57 Fore Street, Edmonton, N18 2SX	Process: Unloading of Petrol into Storage at Service Stations Status: Current Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
7	491m NW	C & S Mots Landmark Commercial Est, Shaftesbury Rd, Edmonton, N18 1SS	Process: Coating Processes Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified
8	491m E	W S Jenkins, Tariff Road, N17 0EN	Process: Manufacture of Coating Materials Status: Historical Permit Permit Type: Part B	Enforcement: No Enforcement Notified Date of enforcement: No Enforcement Notified Comment: No Enforcement Notified

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

1

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

Features are displayed on the Current industrial land use map on **page 42**

ID	Location	Name	Status	Receiving Water	Authorised Substances
I	498m N	Eswip Angel Road Edmonton N9	Not Active	-	-

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

2

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 42**

ID	Location	Details	
5	252m NE	Incident Date: 12/04/2002 Incident Identification: 71202 Pollutant: Oils and Fuel Pollutant Description: Diesel	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

ID	Location	Details	
6	283m SW	Incident Date: 22/03/2002 Incident Identification: 65772 Pollutant: Oils and Fuel Pollutant Description: Unidentified Oil	Water Impact: Category 4 (No Impact) Land Impact: Category 4 (No Impact) Air Impact: Category 4 (No Impact)

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

4.19 Pollution inventory substances

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

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

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

4.20 Pollution inventory waste transfers

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

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

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

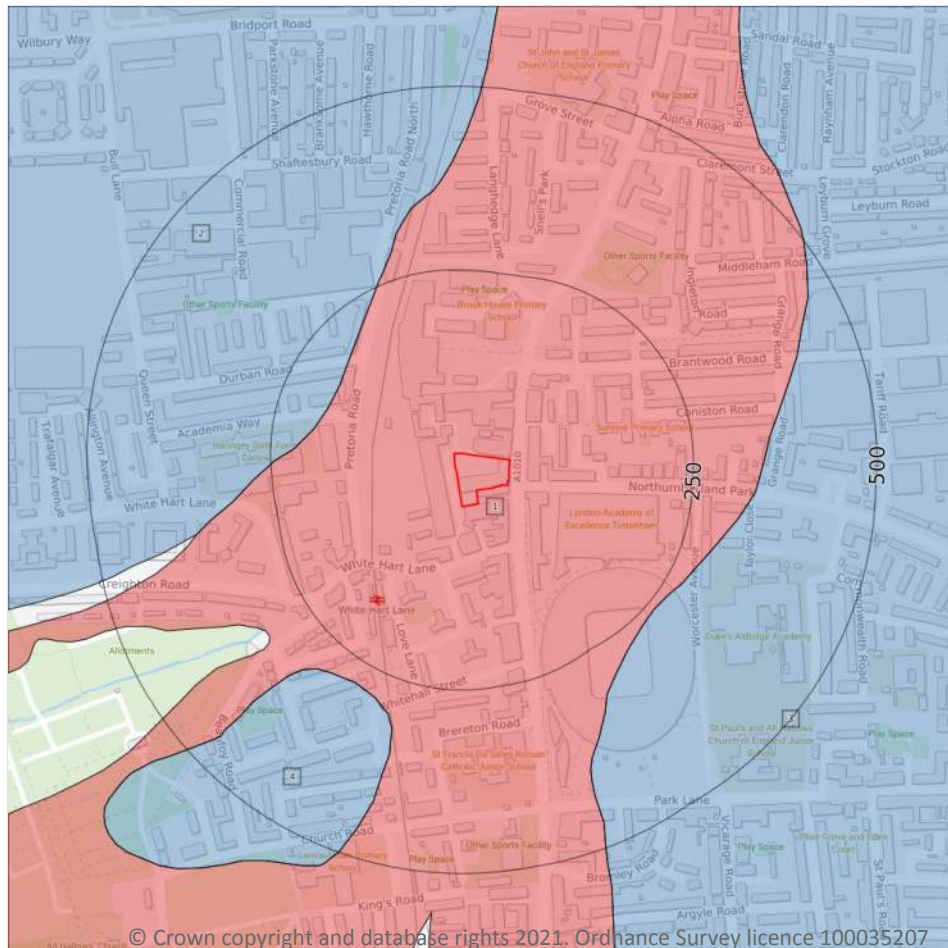
4.21 Pollution inventory radioactive waste

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

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

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

5 Hydrogeology - Superficial aquifer



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

5.1 Superficial aquifer

Records within 500m

4

Aquifer status of groundwater held within superficial geology.

Features are displayed on the Hydrogeology map on **page 51**

ID	Location	Designation	Description
1	On site	Secondary A	Permeable layers capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. These are generally aquifers formerly classified as minor aquifers
2	181m NW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

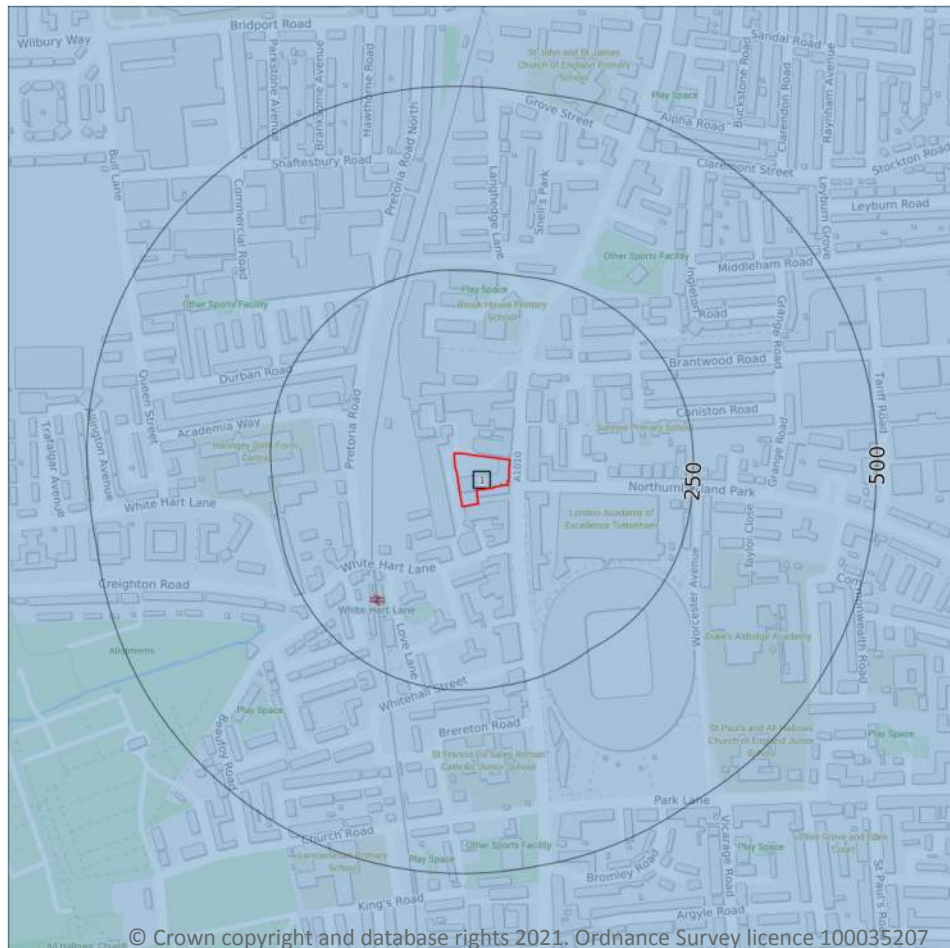


ID	Location	Designation	Description
3	261m SE	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow
4	281m SW	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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



Bedrock aquifer



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

5.2 Bedrock aquifer

Records within 500m

1

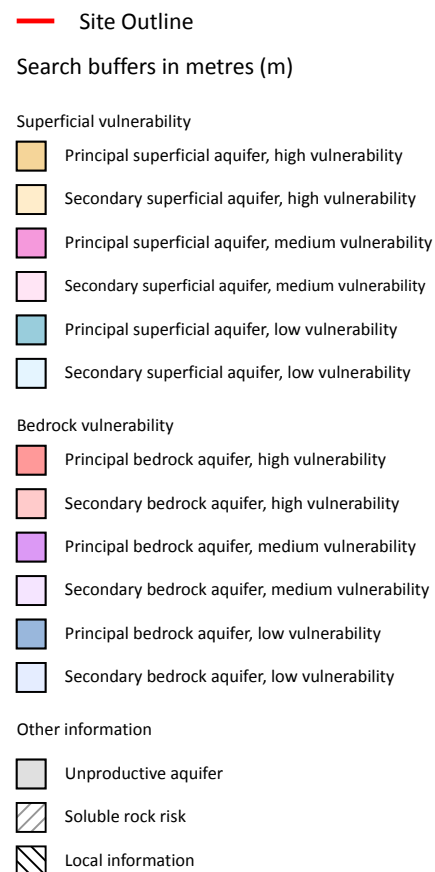
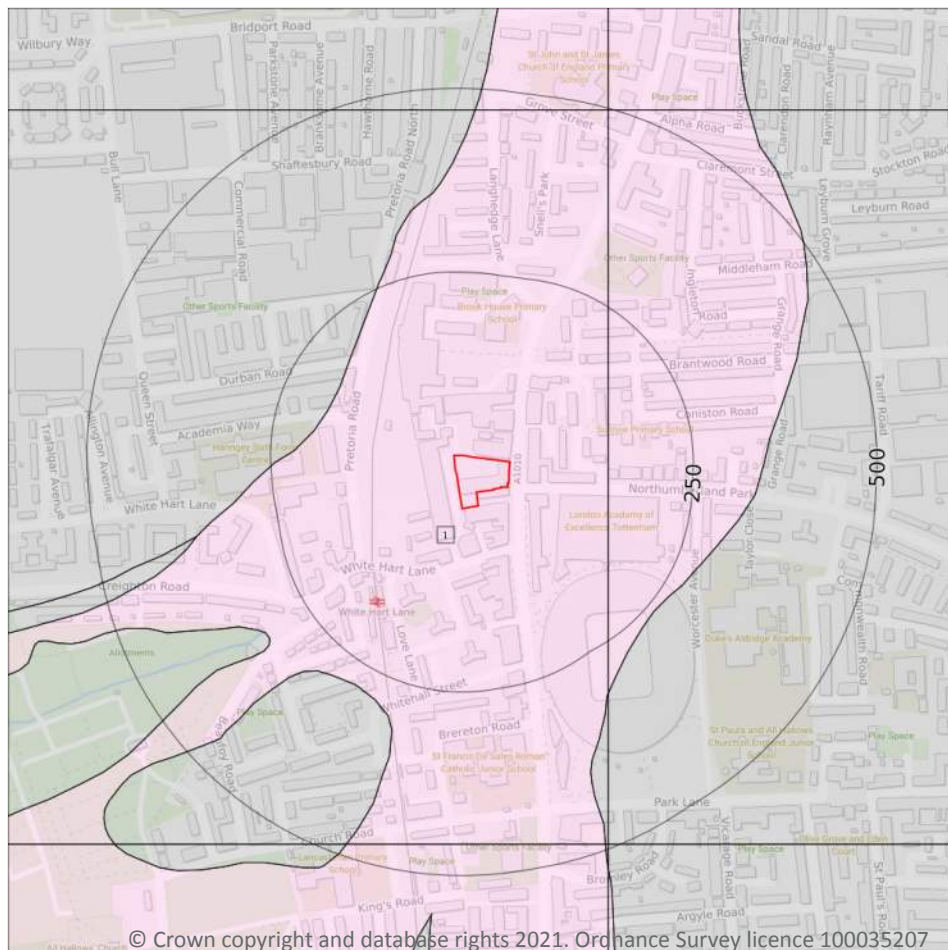
Aquifer status of groundwater held within bedrock geology.

Features are displayed on the Bedrock aquifer map on **page 53**

ID	Location	Designation	Description
1	On site	Unproductive	These are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow

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

Groundwater vulnerability



5.3 Groundwater vulnerability

Records within 50m

1

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 54**

ID	Location	Summary	Soil / surface	Superficial geology	Bedrock geology
1	On site	Summary Classification: Secondary superficial aquifer - Medium Vulnerability Combined classification: Unproductive Bedrock Aquifer, Productive Superficial Aquifer	Leaching class: Intermediate Infiltration value: >70% Dilution value: 300- 550mm/year	Vulnerability: Medium Aquifer type: Secondary Thickness: 3-10m Patchiness value: <90% Recharge potential: High	Vulnerability: Unproductive Aquifer type: Unproductive Flow mechanism: Mixed

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

5.4 Groundwater vulnerability- soluble rock risk

Records on site

0

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

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

5.5 Groundwater vulnerability- local information

Records on site

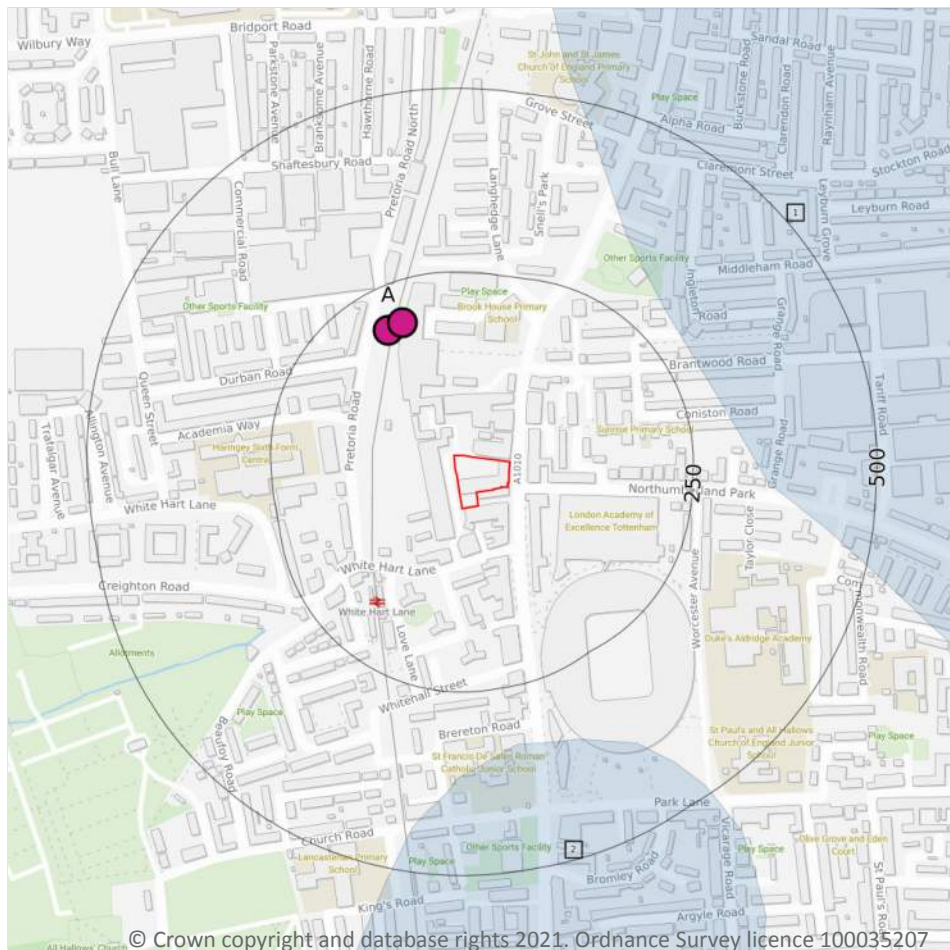
0

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

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



Abstractions and Source Protection Zones



- Site Outline
- Search buffers in metres (m)
- Source Protection Zone 1
Inner catchment
- Source Protection Zone 2
Outer catchment
- Source Protection Zone 3
Total catchment
- Source Protection Zone 4
Zone of Special Interest
- Source Protection Zone 1c
Inner catchment - confined aquifer
- Source Protection Zone 2c
Outer catchment - confined aquifer
- Source Protection Zone 3c
Total catchment - confined aquifer
- Drinking water abstraction licences
Polygon features
- Drinking water abstraction licences
Linear features
- Groundwater abstraction licence (point)
- Groundwater abstraction licence (area)
- Groundwater abstraction licence (linear)
- Surface Water Abstractions (point)
- Surface Water Abstractions (area)
- Surface Water Abstractions (linear)

5.6 Groundwater abstractions

Records within 2000m

29

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 56**

ID	Location	Details	
A	192m NW	Status: Historical Licence No: 29/38/09/0072 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: THAMES GROUNDWATER Point: 881 HIGH ROAD, TOTTENHAM Data Type: Point Name: CANNON RUBBER LTD Easting: 533700 Northing: 191700	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 100 Version Start Date: 30/12/1977 Version End Date: -
A	193m N	Status: Historical Licence No: 29/38/09/0072 Details: General Cooling (Existing Licences Only) (High Loss) Direct Source: THAMES GROUNDWATER Point: 881 HIGH ROAD, TOTTENHAM- BOREHOLE Data Type: Point Name: CANNON AUTOMOTIVE LTD Easting: 533720 Northing: 191710	Annual Volume (m ³): 9092 Max Daily Volume (m ³): 219 Original Application No: - Original Start Date: 20/04/1966 Expiry Date: - Issue No: 102 Version Start Date: 31/05/2005 Version End Date: -
-	1149m E	Status: Historical Licence No: TH/038/0009/007 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: EMPIRE LAUNDRY BOREHOLE Data Type: Point Name: Montagus Ltd Easting: 534991 Northing: 191264	Annual Volume (m ³): 56340 Max Daily Volume (m ³): 180 Original Application No: - Original Start Date: 27/11/2009 Expiry Date: 31/03/2019 Issue No: 1 Version Start Date: 27/11/2009 Version End Date: -
-	1149m E	Status: Active Licence No: TH/038/0009/007/R01 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: EMPIRE LAUNDRY BOREHOLE Data Type: Point Name: Montagu's Ltd Easting: 534991 Northing: 191264	Annual Volume (m ³): 56,340 Max Daily Volume (m ³): 180 Original Application No: - Original Start Date: 01/04/2019 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 01/04/2019 Version End Date: -
-	1190m E	Status: Historical Licence No: 29/38/09/0189 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: FORMER GAS WORKS, TOTTENHAM- BOREHOLE Data Type: Point Name: SECONDSITE PROPERTY HOLDINGS LTD Easting: 535010 Northing: 191850	Annual Volume (m ³): 100000 Max Daily Volume (m ³): 408 Original Application No: - Original Start Date: 06/07/2004 Expiry Date: 31/12/2008 Issue No: 1 Version Start Date: 06/07/2004 Version End Date: -



ID	Location	Details	
-	1221m NE	Status: Historical Licence No: 29/38/09/0181 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: POINT 'A' AT ABERDEEN ROAD, EDMONTON, LONDON. Data Type: Point Name: HIGGINS HOMES LIMITED Easting: 534780 Northing: 192330	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 28/03/2002 Expiry Date: 30/04/2004 Issue No: 1 Version Start Date: 28/03/2002 Version End Date: -
-	1291m E	Status: Historical Licence No: 29/38/09/0175 Details: Pollution Remediation Direct Source: THAMES GROUNDWATER Point: WILLOUGHBY LANE, TOTTENHAM - 42 BOREHOLES Data Type: Point Name: SECONDSITE PROPERTY HOLDINGS LTD Easting: 535100 Northing: 191900	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 26/07/2002 Expiry Date: 30/06/2004 Issue No: 2 Version Start Date: 21/10/2002 Version End Date: -
-	1297m SE	Status: Historical Licence No: 29/38/09/0157 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: PARK WELL - NLARS POINT 26 Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 535020 Northing: 190900	Annual Volume (m ³): - Max Daily Volume (m ³): 275000 Original Application No: - Original Start Date: 26/06/1995 Expiry Date: - Issue No: 103 Version Start Date: 16/10/2007 Version End Date: -
-	1527m NE	Status: Historical Licence No: 29/38/09/0184 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: SINCLAIR LAUNDRY, EDMONTON-POINT A Data Type: Point Name: THE IMPERIAL LONDON HOTELS LTD Easting: 534700 Northing: 192800	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 18/12/2003 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 18/12/2003 Version End Date: -
-	1527m NE	Status: Historical Licence No: 29/38/09/0184 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: SINCLAIR LAUNDRY, EDMONTON - BOREHOLE Data Type: Point Name: THE IMPERIAL LONDON HOTELS LTD Easting: 534700 Northing: 192800	Annual Volume (m ³): 75000 Max Daily Volume (m ³): 300 Original Application No: - Original Start Date: 18/12/2003 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 18/12/2003 Version End Date: -



ID	Location	Details	
-	1542m NE	Status: Active Licence No: TH/038/0009/037 Details: Laundry Use Direct Source: THAMES GROUNDWATER Point: SINCLAIR LAUNDRY, EDMONTON - BOREHOLE Data Type: Point Name: THE IMPERIAL LONDON HOTELS LTD Easting: 534704 Northing: 192815	Annual Volume (m ³): 55,000 Max Daily Volume (m ³): 300 Original Application No: - Original Start Date: 03/04/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 03/04/2013 Version End Date: -
-	1678m NE	Status: Historical Licence No: 29/38/09/0087 Details: Process Water Direct Source: THAMES GROUNDWATER Point: ANGEL ROAD WORKS Data Type: Point Name: GREAT UNIVERSAL STORES LTD Easting: 535400 Northing: 192200	Annual Volume (m ³): 16593 Max Daily Volume (m ³): 45.46 Original Application No: - Original Start Date: 20/06/1966 Expiry Date: - Issue No: 100 Version Start Date: 13/01/1967 Version End Date: -
-	1687m NE	Status: Historical Licence No: 29/38/09/0192 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE B Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535280 Northing: 192440	Annual Volume (m ³): 438000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 08/02/2005 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 08/06/2005 Version End Date: -
-	1694m NE	Status: Historical Licence No: TH/038/0009/038 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE B Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535285 Northing: 192445	Annual Volume (m ³): 876000 Max Daily Volume (m ³): 2400 Original Application No: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 2 Version Start Date: 09/10/2014 Version End Date: -
-	1734m NE	Status: Historical Licence No: 29/38/09/0192 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535330 Northing: 192450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/2005 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 08/02/2005 Version End Date: -



ID	Location	Details	
-	1734m NE	Status: Historical Licence No: 29/38/09/0192 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE A Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535330 Northing: 192450	Annual Volume (m ³): 438000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 08/02/2005 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 08/06/2005 Version End Date: -
-	1739m NE	Status: Historical Licence No: 29/38/09/0161 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: NOBEL ROAD BOREHOLE Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535330 Northing: 192460	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 25/07/1996 Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 01/03/2000 Version End Date: -
-	1741m NE	Status: Historical Licence No: TH/038/0009/038 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE A Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535335 Northing: 192455	Annual Volume (m ³): 876000 Max Daily Volume (m ³): 2400 Original Application No: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 2 Version Start Date: 09/10/2014 Version End Date: -
-	1752m NE	Status: Active Licence No: TH/038/0009/038 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON - BOREHOLE C Data Type: Point Name: Coca-Cola European Partners Great Britain Ltd Easting: 535387 Northing: 192391	Annual Volume (m ³): 876,000 Max Daily Volume (m ³): 2,400 Original Application No: - Original Start Date: 01/04/2013 Expiry Date: 31/03/2025 Issue No: 3 Version Start Date: 03/07/2017 Version End Date: -
-	1776m NE	Status: Active Licence No: TH/038/0009/039 Details: Process Water Direct Source: THAMES GROUNDWATER Point: EDMONTON CONCRETE PLANT-BOREHOLE Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 535165 Northing: 192732	Annual Volume (m ³): 38,000 Max Daily Volume (m ³): 174 Original Application No: - Original Start Date: 02/05/2013 Expiry Date: 31/03/2025 Issue No: 1 Version Start Date: 02/05/2013 Version End Date: -



ID	Location	Details	
-	1786m NE	Status: Historical Licence No: 29/38/08/0264 Details: Process Water Direct Source: THAMES GROUNDWATER Point: EDMONTON CONCRETE PLANT-BOREHOLE Data Type: Point Name: HANSON QUARRY PRODUCTS EUROPE LTD Easting: 535180 Northing: 192730	Annual Volume (m ³): 48024 Max Daily Volume (m ³): 174 Original Application No: - Original Start Date: 16/05/2006 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 13/08/2012 Version End Date: -
-	1857m NW	Status: Historical Licence No: 29/38/09/0006 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY (POINT A) Data Type: Point Name: ARLA FOODS PLC Easting: 532100 Northing: 192300	Annual Volume (m ³): 951660 Max Daily Volume (m ³): 3364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 29/08/2000 Version End Date: -
-	1857m NW	Status: Historical Licence No: 29/38/09/0006 Details: General use relating to Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY (POINT B) Data Type: Point Name: ARLA FOODS PLC Easting: 532100 Northing: 192300	Annual Volume (m ³): 951660 Max Daily Volume (m ³): 3364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 29/08/2000 Version End Date: -
-	1857m NW	Status: Historical Licence No: 29/38/09/0006 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY (POINT B) Data Type: Point Name: ARLA FOODS PLC Easting: 532100 Northing: 192300	Annual Volume (m ³): 951660 Max Daily Volume (m ³): 3364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 29/08/2000 Version End Date: -
-	1857m NW	Status: Historical Licence No: 29/38/09/0006 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY (POINT A) Data Type: Point Name: ARLA FOODS PLC Easting: 532100 Northing: 192300	Annual Volume (m ³): 951660 Max Daily Volume (m ³): 3364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 101 Version Start Date: 29/08/2000 Version End Date: -



ID	Location	Details	
-	1857m NW	Status: Active Licence No: 29/38/09/0006 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY, PALMERS GREEN- BOREHOLE A Data Type: Point Name: ARLA FOODS LIMITED Easting: 532100 Northing: 192300	Annual Volume (m ³): 951,660 Max Daily Volume (m ³): 3,364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2011 Version End Date: -
-	1857m NW	Status: Active Licence No: 29/38/09/0006 Details: General Use Relating To Secondary Category (Medium Loss) Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY- BOREHOLE B Data Type: Point Name: ARLA FOODS LIMITED Easting: 532100 Northing: 192300	Annual Volume (m ³): 951,660 Max Daily Volume (m ³): 3,364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2011 Version End Date: -
-	1857m NW	Status: Active Licence No: 29/38/09/0006 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY- BOREHOLE B Data Type: Point Name: ARLA FOODS LIMITED Easting: 532100 Northing: 192300	Annual Volume (m ³): 951,660 Max Daily Volume (m ³): 3,364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2011 Version End Date: -
-	1857m NW	Status: Active Licence No: 29/38/09/0006 Details: Non-Evaporative Cooling Direct Source: THAMES GROUNDWATER Point: CHEQUERS WAY, PALMERS GREEN- BOREHOLE A Data Type: Point Name: ARLA FOODS LIMITED Easting: 532100 Northing: 192300	Annual Volume (m ³): 951,660 Max Daily Volume (m ³): 3,364.04 Original Application No: - Original Start Date: 20/02/1966 Expiry Date: - Issue No: 102 Version Start Date: 01/04/2011 Version End Date: -

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



5.7 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.

5.8 Potable abstractions

Records within 2000m

5

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 56**

ID	Location	Details	
-	1297m SE	Status: Historical Licence No: 29/38/09/0157 Details: Potable Water Supply - Direct Direct Source: THAMES GROUNDWATER Point: PARK WELL - NLARS POINT 26 Data Type: Point Name: THAMES WATER UTILITIES LTD Easting: 535020 Northing: 190900	Annual Volume (m ³): - Max Daily Volume (m ³): 275000 Original Application No: - Original Start Date: 26/06/1995 Expiry Date: - Issue No: 103 Version Start Date: 16/10/2007 Version End Date: -
-	1687m NE	Status: Historical Licence No: 29/38/09/0192 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE B Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535280 Northing: 192440	Annual Volume (m ³): 438000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 08/02/2005 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 08/06/2005 Version End Date: -
-	1734m NE	Status: Historical Licence No: 29/38/09/0192 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535330 Northing: 192450	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 08/02/2005 Expiry Date: 31/03/2013 Issue No: 1 Version Start Date: 08/02/2005 Version End Date: -

ID	Location	Details	
-	1734m NE	Status: Historical Licence No: 29/38/09/0192 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: COCA COLA, EDMONTON-BOREHOLE A Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535330 Northing: 192450	Annual Volume (m ³): 438000 Max Daily Volume (m ³): 1200 Original Application No: - Original Start Date: 08/02/2005 Expiry Date: 31/03/2013 Issue No: 2 Version Start Date: 08/06/2005 Version End Date: -
-	1739m NE	Status: Historical Licence No: 29/38/09/0161 Details: Water Bottling Direct Source: THAMES GROUNDWATER Point: NOBEL ROAD BOREHOLE Data Type: Point Name: COCA-COLA ENTERPRISES LTD Easting: 535330 Northing: 192460	Annual Volume (m ³): - Max Daily Volume (m ³): - Original Application No: - Original Start Date: 25/07/1996 Expiry Date: 31/12/2004 Issue No: 100 Version Start Date: 01/03/2000 Version End Date: -

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

5.9 Source Protection Zones

Records within 500m	2
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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 56**

ID	Location	Type	Description
1	289m NE	2	Outer catchment
2	330m S	2	Outer catchment

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

5.10 Source Protection Zones (confined aquifer)

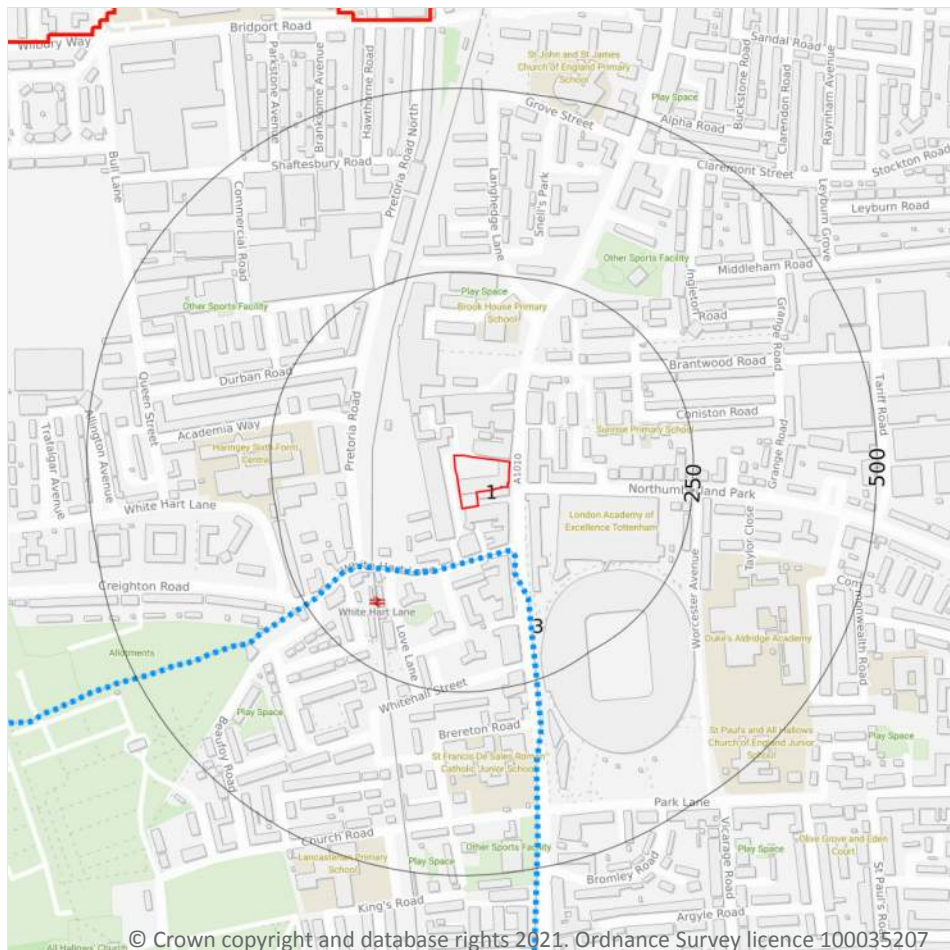
Records within 500m	0
----------------------------	----------

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

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



6 Hydrology



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

6.1 Water Network (OS MasterMap)

Records within 250m

1

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

Features are displayed on the Hydrology map on **page 65**

ID	Location	Type of water feature	Ground level	Permanence	Name
3	69m S	Inland river not influenced by normal tidal action.	On ground surface	Watercourse contains water year round (in normal circumstances)	The Moselle

This data is sourced from the Ordnance Survey.



6.2 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.

6.3 WFD Surface water body catchments

Records on site

1

The Water Framework Directive is an EU-led framework for the protection of inland surface waters, estuaries, coastal waters and groundwater through river basin-level management planning. In terms of surface water, these basins are broken down into smaller units known as management, operational and water body catchments.

Features are displayed on the Hydrology map on **page 65**

ID	Location	Type	Water body catchment	Water body ID	Operational catchment	Management catchment
1	On site	River WB catchment	Moselle Brook	GB106038027920	Lower Lee Rivers and Lakes	London

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

6.4 WFD Surface water bodies

Records identified

1

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

Features are displayed on the Hydrology map on **page 65**

ID	Location	Type	Name	Water body ID	Overall rating	Chemical rating	Ecological rating	Year
2	69m S	River	Moselle Brook	GB106038027920	Moderate	Good	Moderate	2016

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



6.5 WFD Groundwater bodies

Records on site

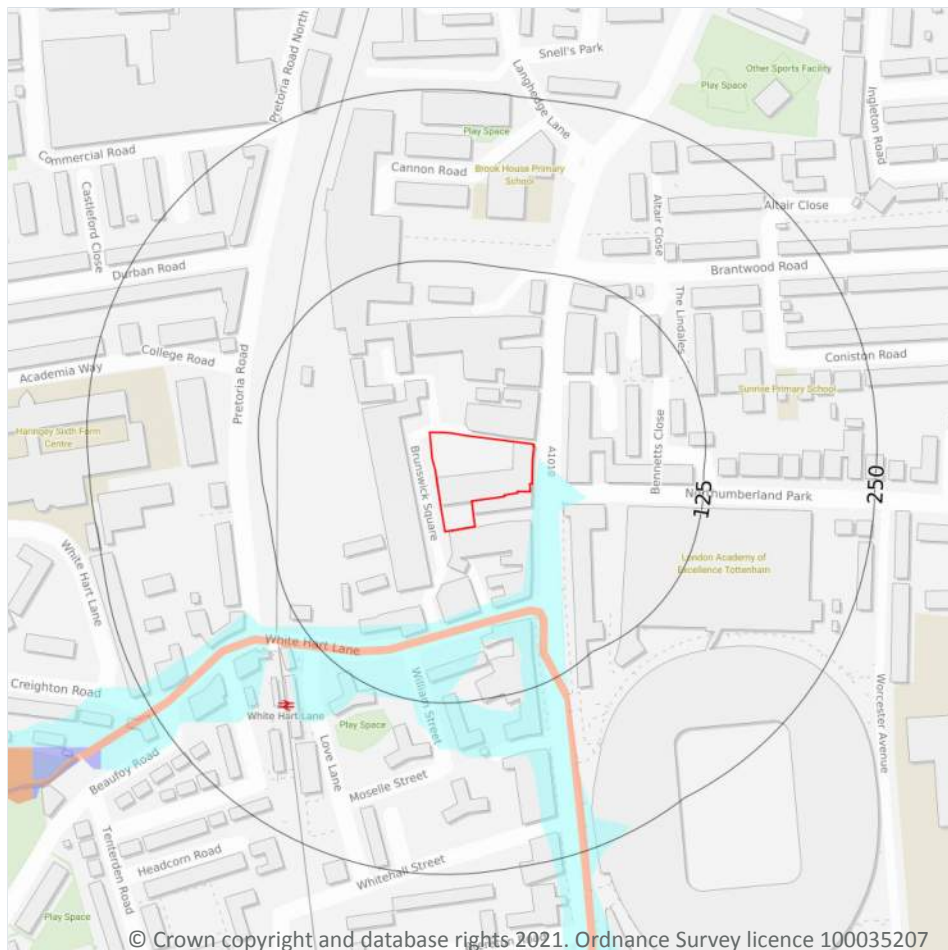
0

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

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



7 River and coastal flooding



- Site Outline
- Search buffers in metres (m)
- Environment Agency river and coastal flooding:
 - High
 - Medium
 - Low
 - Very Low
- Historical Flood Events
- Areas Used for Flood Storage
- Areas Benefiting from Flood Defences
- Flood Defences

7.1 Risk of Flooding from Rivers and Sea (RoFRaS)

Records within 50m

1

The chance of flooding from rivers and/or the sea in any given year, based on cells of 50m. Each cell is allocated one of four flood risk categories, taking into account flood defences and their condition; 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).

Features are displayed on the River and coastal flooding map on **page 68**

Distance	RoFRaS flood risk
On site	N/A
0 - 50m	Low



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

7.2 Historical Flood Events

Records within 250m

0

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

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

7.3 Flood Defences

Records within 250m

0

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

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

7.4 Areas Benefiting from Flood Defences

Records within 250m

0

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

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

7.5 Flood Storage Areas

Records within 250m

0

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

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

River and coastal flooding - Flood Zones



- Site Outline
- Search buffers in metres (m)
- Flood zone 2
- Flood zone 3

7.6 Flood Zone 2

Records within 50m

1

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

Features are displayed on the River and coastal flooding map on **page 68**

Location	Type
3m E	Zone 2 - (Fluvial /Tidal Models)

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

7.7 Flood Zone 3

Records within 50m

0

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

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



8 Surface water flooding



— Site Outline

Search buffers in metres (m)

1 in 1000 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 250 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 100 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

1 in 30 return period

- Depth between 0.1m - 0.3m
- Depth between 0.3m - 1.0m
- Depth greater than 1.0m

8.1 Surface water flooding

Highest risk on site

1 in 100 year, 0.1m - 0.3m

Highest risk within 50m

1 in 30 year, 0.1m - 0.3m

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 72**

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	Negligible

This data is sourced from Ambiantal Risk Analytics.



9 Groundwater flooding



— Site Outline
Search buffers in metres (m)

- High
- Moderate - High
- Moderate
- Low
- Negligible

9.1 Groundwater flooding

Highest risk on site

Moderate

Highest risk within 50m

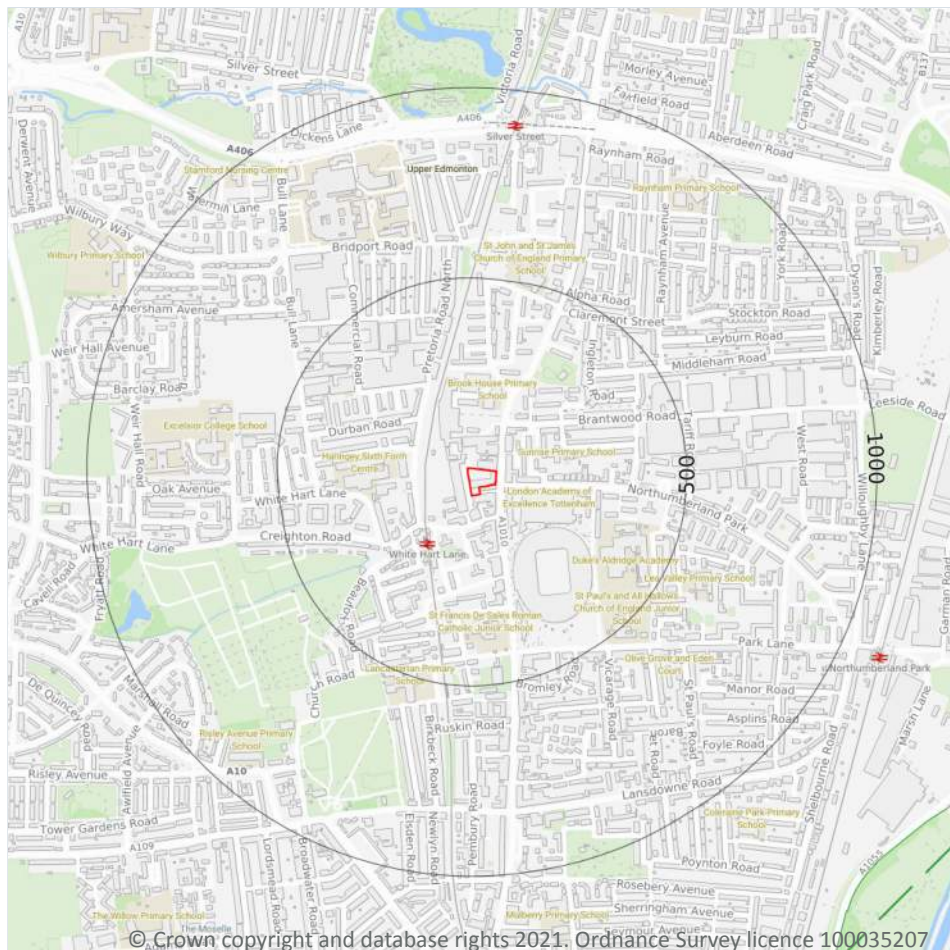
Moderate

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

Features are displayed on the Groundwater flooding map on **page 74**

This data is sourced from Ambiantal Risk Analytics.

10 Environmental designations



- Site Outline
- Search buffers in metres (m)
- Sites of Special Scientific Interest (SSSI)
- X Conserved wetland sites (Ramsar sites)
- Special Protection Areas (SPA)
- Green Belt

10.1 Sites of Special Scientific Interest (SSSI)

Records within 2000m

1

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 75**

ID	Location	Name	Data source
-	1646m SE	Walthamstow Reservoirs	Natural England



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

10.2 Conserved wetland sites (Ramsar sites)

Records within 2000m

1

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.

Features are displayed on the Environmental designations map on **page 75**

ID	Location	Site	Details
-	1645m SE	Name: Lee Valley Site status: Listed Data source: Natural England	Overview: The Lee Valley comprises a series of embanked water supply reservoirs, sewage treatment lagoons and former gravel pits along approximately 24 km of the valley. These waterbodies support internationally important numbers of wintering gadwall and shoveler and nationally important numbers of several other bird species. The site also contains a range of wetland and valley bottom habitats, both man-made and semi-natural, which support a diverse range of wetland fauna and flora. Ramsar criteria: Ramsar Criterion 2 The site supports the nationally scarce plant species whorled water-milfoil <i>Myriophyllum verticillatum</i> and the rare or vulnerable invertebrate <i>Micronecta minutissima</i> (a water-boatman).

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

10.3 Special Areas of Conservation (SAC)

Records within 2000m

0

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

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

10.4 Special Protection Areas (SPA)

Records within 2000m

1

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.

Features are displayed on the Environmental designations map on **page 75**

ID	Location	Name	Species of interest	Habitat description	Data source
-	1646m SE	Lee Valley	Great bittern; Gadwall; Northern shoveler	Improved grassland; Bogs, Marshes, Water fringed vegetation, Fens; Inland water bodies (Standing water, Running water); Humid grassland, Mesophile grassland; Other land (including Towns, Villages, Roads, Waste places, Mines, Industrial sites); Broad-leav	Natural England

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

10.5 National Nature Reserves (NNR)

Records within 2000m

0

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

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

10.6 Local Nature Reserves (LNR)

Records within 2000m

0

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

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

10.7 Designated Ancient Woodland

Records within 2000m

0

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.



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

10.8 Biosphere Reserves

Records within 2000m

0

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

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

10.9 Forest Parks

Records within 2000m

0

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

This data is sourced from the Forestry Commission.

10.10 Marine Conservation Zones

Records within 2000m

0

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

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

10.11 Green Belt

Records within 2000m

3

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

Features are displayed on the Environmental designations map on **page 75**

ID	Location	Name	Local Authority name
1	1330m E	London	Haringey
-	1637m SE	London	Waltham Forest
-	1856m E	London	Enfield

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



10.12 Proposed Ramsar sites

Records within 2000m**0**

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

This data is sourced from Natural England.

10.13 Possible Special Areas of Conservation (pSAC)

Records within 2000m**0**

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

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

10.14 Potential Special Protection Areas (pSPA)

Records within 2000m**0**

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

This data is sourced from Natural England.

10.15 Nitrate Sensitive Areas

Records within 2000m**0**

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

This data is sourced from Natural England.



10.16 Nitrate Vulnerable Zones

Records within 2000m**2**

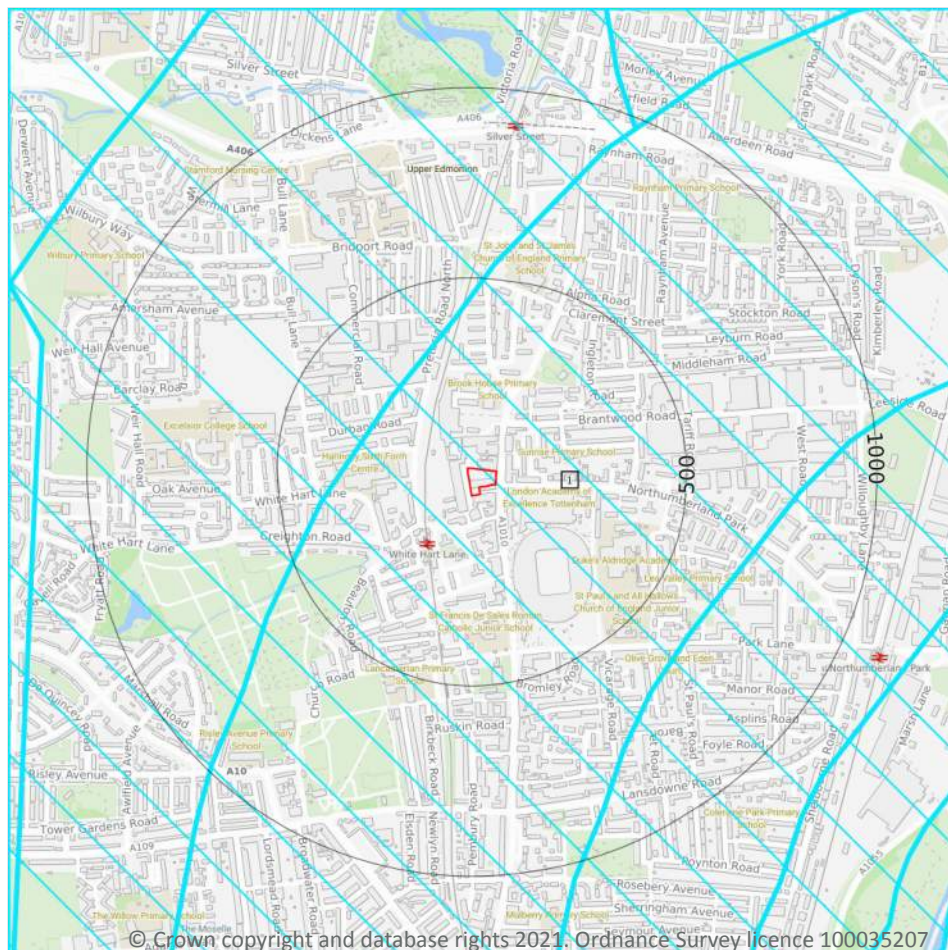
Areas at risk from agricultural nitrate pollution designated under the EC Nitrate Directive (91/676/EEC). These are areas of land that drain into waters polluted by nitrates. Farmers operating within these areas have to follow mandatory rules to tackle nitrate loss from agriculture.

Location	Name	Type	NVZ ID	Status
On site	LEE NVZ	Surface Water	S443	Existing
226m E	LEE NVZ	Surface Water	S443	Existing

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



SSSI Impact Zones and Units



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

10.17 SSSI Impact Risk Zones

Records on site

1

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

Features are displayed on the SSSI Impact Zones and Units map on **page 81**

ID	Location	Type of developments requiring consultation
1	On site	Infrastructure - Pipelines, pylons and overhead cables. Any transport proposal including road, rail and by water (excluding routine maintenance). Airports, helipads and other aviation proposals 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. Rural non-residential - Large non residential developments outside existing settlements/urban areas where footprint exceeds 1ha. Residential - Residential development of 100 units or more. Rural residential - Any residential development of 100 or more houses outside existing settlements/urban areas. Air pollution - Any industrial/agricultural development that could cause AIR POLLUTION (incl: industrial processes, livestock & poultry units with floorspace > 500m², slurry lagoons > 200m² & manure stores > 250t). 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 Waste - Landfill. Incl: inert landfill, non-hazardous landfill, hazardous landfill. 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 Discharges - Any discharge of water or liquid waste of more than 5m³/day to ground (ie to seep away) or to surface water, such as a beck or stream (NB This does not include discharges to mains sewer which are unlikely to pose a risk at this location). Water supply - Large infrastructure such as warehousing / industry where total net additional gross internal floorspace following development is 1,000m² or more. Notes: For new residential development in this area an HRA is required on the likely significant effects of recreation on Epping Forest SAC. For developments within 3km of the SAC, financial contributions are expected to offset recreational impacts.

This data is sourced from Natural England.

10.18 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 81**

ID: -

Location: 1646m SE

SSSI name: Walthamstow Reservoirs

Unit name: Lockwood Reservoir

Broad habitat: Standing Open Water And Canals

Condition: Unfavourable - Recovering

Reportable features:



Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Grey heron, Ardea cinerea	Unfavourable - Recovering	28/03/2014
Aggregations of breeding birds - Pochard, Aythya ferina	Favourable	28/03/2014
Aggregations of breeding birds - Tufted duck, Aythya fuligula	Favourable	28/03/2014
Aggregations of non-breeding birds - Cormorant, Phalacrocorax carbo carbo	Favourable	28/03/2014
Aggregations of non-breeding birds - Shoveler, Anas clypeata	Favourable	28/03/2014
Aggregations of non-breeding birds - Tufted duck, Aythya fuligula	Favourable	28/03/2014

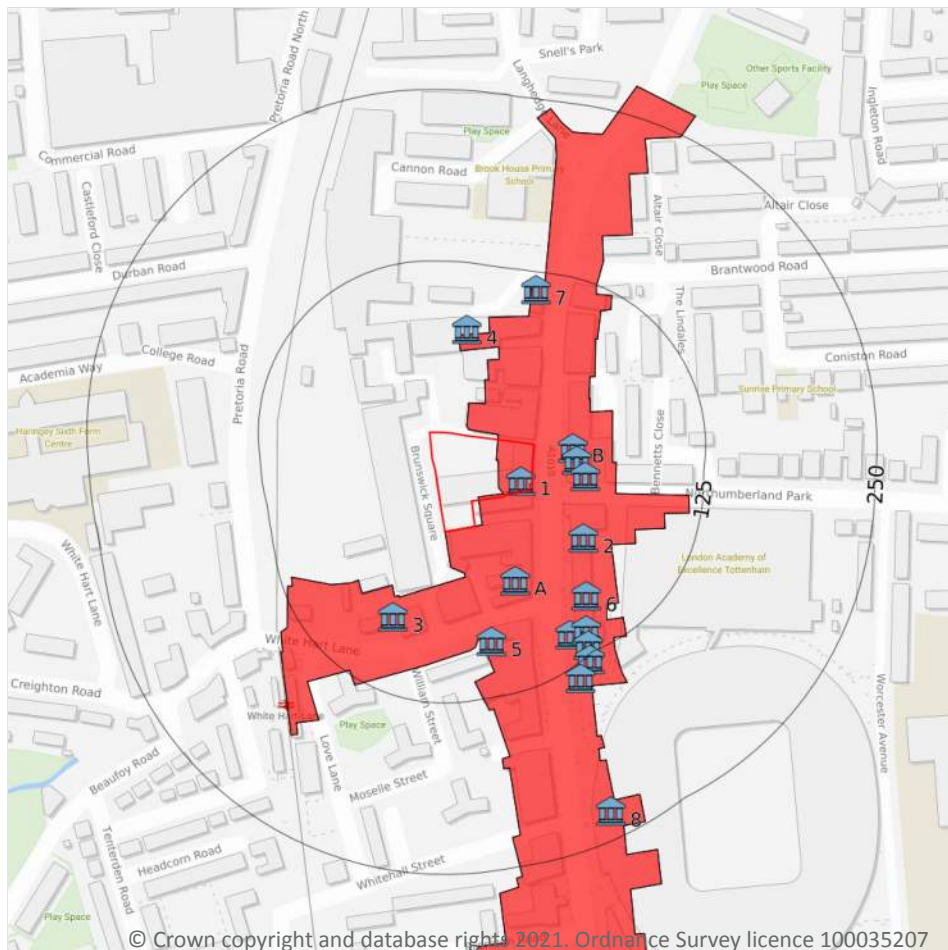
ID: -
 Location: 1985m SE
 SSSI name: Walthamstow Reservoirs
 Unit name: High Maynard Reservoir -Inc Old Island Units 18,19
 Broad habitat: Standing Open Water And Canals
 Condition: Unfavourable - Recovering
 Reportable features:

Feature name	Feature condition	Date of assessment
Aggregations of breeding birds - Grey heron, Ardea cinerea	Unfavourable - Recovering	28/03/2014
Aggregations of breeding birds - Pochard, Aythya ferina	Favourable	28/03/2014
Aggregations of breeding birds - Tufted duck, Aythya fuligula	Favourable	28/03/2014
Aggregations of non-breeding birds - Cormorant, Phalacrocorax carbo carbo	Favourable	28/03/2014
Aggregations of non-breeding birds - Shoveler, Anas clypeata	Favourable	28/03/2014
Aggregations of non-breeding birds - Tufted duck, Aythya fuligula	Favourable	28/03/2014

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



11 Visual and cultural designations



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

11.1 World Heritage Sites

Records within 250m

0

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

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

11.2 Area of Outstanding Natural Beauty

Records within 250m

0

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

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

11.3 National Parks

Records within 250m

0

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

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

11.4 Listed Buildings

Records within 250m

17

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.

Features are displayed on the Visual and cultural designations map on **page 84**

ID	Location	Name	Grade	Reference Number	Listed date
1	On site	819 And 821, High Road N17, Northumberland Park, Haringey, London, N17	II	1189026	10/05/1974
B	28m E	822, High Road N17, Northumberland Park, Haringey, London, N17	II	1358836	10/05/1974
B	32m E	820, High Road N17, Northumberland Park, Haringey, London, N17	II	1079244	10/05/1974

ID	Location	Name	Grade	Reference Number	Listed date
B	39m E	816 And 818, High Road N17, Northumberland Park, Haringey, London, N17	II	1188985	22/07/1949
A	49m SE	797 And 799, High Road N17, Northumberland Park, Haringey, London, N17	II	1079209	10/05/1974
2	52m SE	808 And 810, High Road N17, Northumberland Park, Haringey, London, N17	II*	1358835	22/07/1949
3	73m SW	34, White Hart Lane N17 (See Details For Further Address Information), Northumberland Park, Haringey, London, N17	II	1358877	22/07/1949
4	76m N	859-863, High Road N17, Northumberland Park, Haringey, London, N17	II	1079210	10/05/1974
5	84m S	7, White Hart Lane N17, Northumberland Park, Haringey, London, N17	II	1079172	10/05/1974
6	86m SE	798-802, High Road N17, Northumberland Park, Haringey, London, N17	II	1294511	22/07/1949
C	105m SE	Forecourt Walls And Railings To Number 796 (Percy House), Northumberland Park, Haringey, London, N17	II*	1079243	22/07/1949
C	109m S	Percy House, Northumberland Park, Haringey, London, N17	II*	1079242	22/07/1949
7	112m N	867 And 869, High Road N17, Northumberland Park, Haringey, London, N17	II	1079211	22/07/1949
C	119m SE	794, High Road N17, Northumberland Park, Haringey, London, N17	II	1188926	22/07/1949
C	128m SE	792, High Road N17, Northumberland Park, Haringey, London, N17	II	1358834	22/07/1949
C	135m SE	Dial House, Northumberland Park, Haringey, London, N17	II*	1079241	22/07/1949
8	230m SE	774, High Road N17, Northumberland Park, Haringey, London, N17	II	1294528	10/05/1974

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

11.5 Conservation Areas

Records within 250m

2

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



Features are displayed on the Visual and cultural designations map on **page 84**

ID	Location	Name	District	Date of designation
A	On site	North Tottenham High Road, Tottenham High Road Hist Corr, Haringey	Haringey	28/03/1972
A	On site	North Tottenham High Road, Tottenham High Road Hist Corr, Haringey	Haringey	28/03/1972

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

11.6 Scheduled Ancient Monuments

Records within 250m	0
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A scheduled monument is an historic building or site that is included in the Schedule of Monuments kept by the Secretary of State for Digital, Culture, Media and Sport. The regime is set out in the Ancient Monuments and Archaeological Areas Act 1979. The Schedule of Monuments has c.20,000 entries and includes sites such as Roman remains, burial mounds, castles, bridges, earthworks, the remains of deserted villages and industrial sites. Monuments are not graded, but all are, by definition, considered to be of national importance.

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

11.7 Registered Parks and Gardens

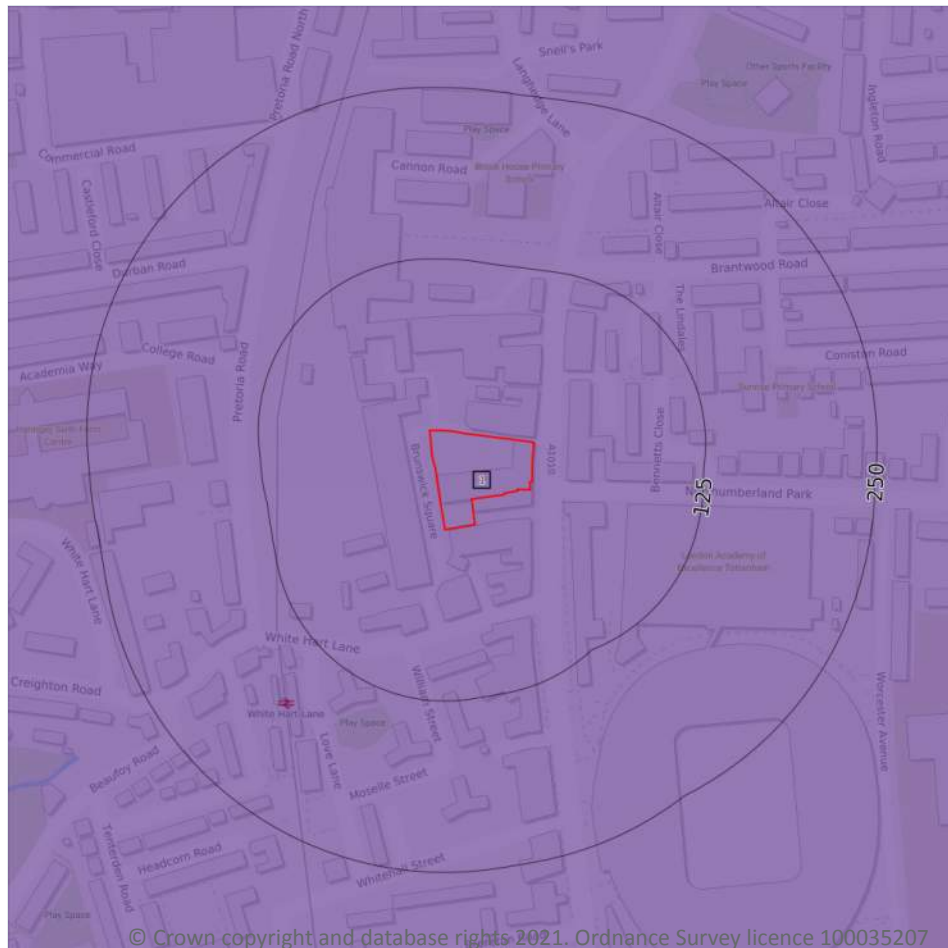
Records within 250m	0
----------------------------	----------

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

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



12 Agricultural designations



- Site Outline
- Search buffers in metres (m)
- Grade 1 - excellent quality
- Grade 2 - very good quality
- Grade 3 - good to moderate quality
- Grade 3a - good quality
- Grade 3b - moderate quality
- Grade 4 - poor quality
- Grade 5 - very poor quality
- Non-agricultural land
- Urban land
- Exclusion land
- Tree felling licences
- Open Access land

12.1 Agricultural Land Classification

Records within 250m

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 88**

ID	Location	Classification	Description
1	On site	Urban	-

This data is sourced from Natural England.



12.2 Open Access Land

Records within 250m**0**

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

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

12.3 Tree Felling Licences

Records within 250m**0**

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

This data is sourced from the Forestry Commission.

12.4 Environmental Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.

12.5 Countryside Stewardship Schemes

Records within 250m**0**

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

This data is sourced from Natural England.

13 Habitat designations

13.1 Priority Habitat Inventory

Records within 250m

0

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

This data is sourced from Natural England.

13.2 Habitat Networks

Records within 250m

0

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

This data is sourced from Natural England.

13.3 Open Mosaic Habitat

Records within 250m

0

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

This data is sourced from Natural England.

13.4 Limestone Pavement Orders

Records within 250m

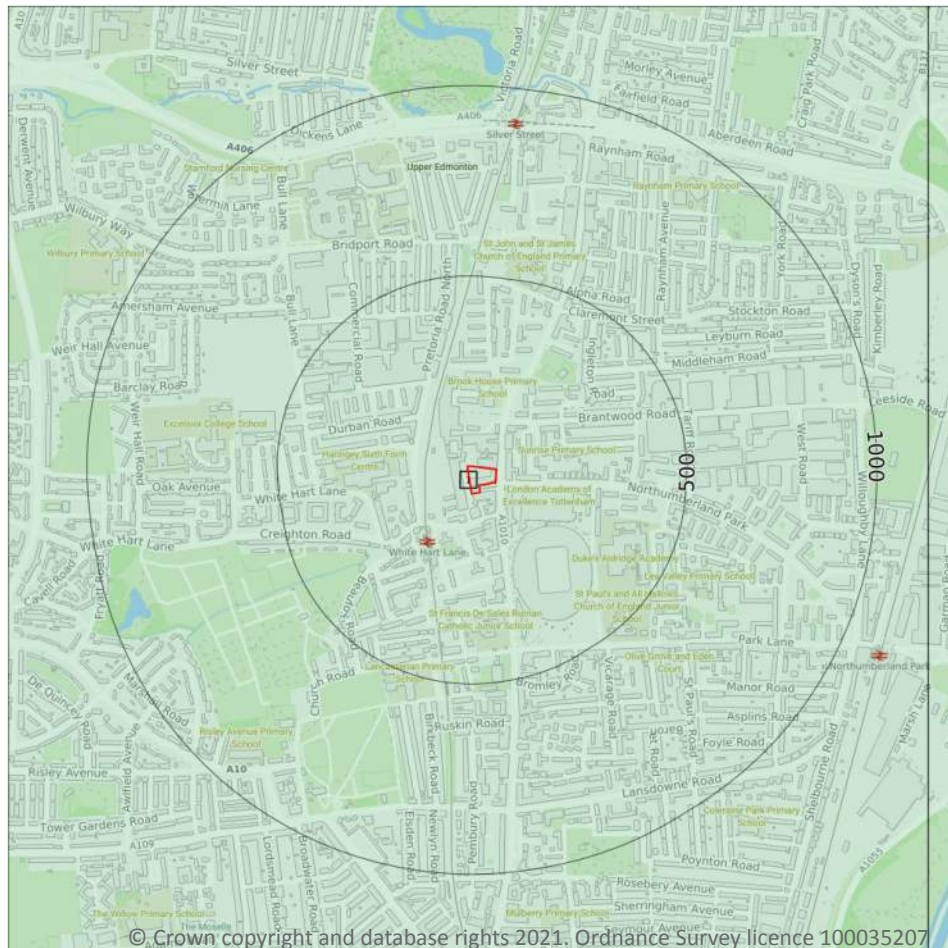
0

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

This data is sourced from Natural England.



14 Geology 1:10,000 scale - Availability



— Site Outline
Search buffers in metres (m)

- Full coverage
- Partial coverage
- No coverage

14.1 10k Availability

Records within 500m

1

An indication on the coverage of 1:10,000 scale geology data for the site, the most detailed dataset provided by the British Geological Survey. Either 'Full', 'Partial' or 'No coverage' for each geological theme.

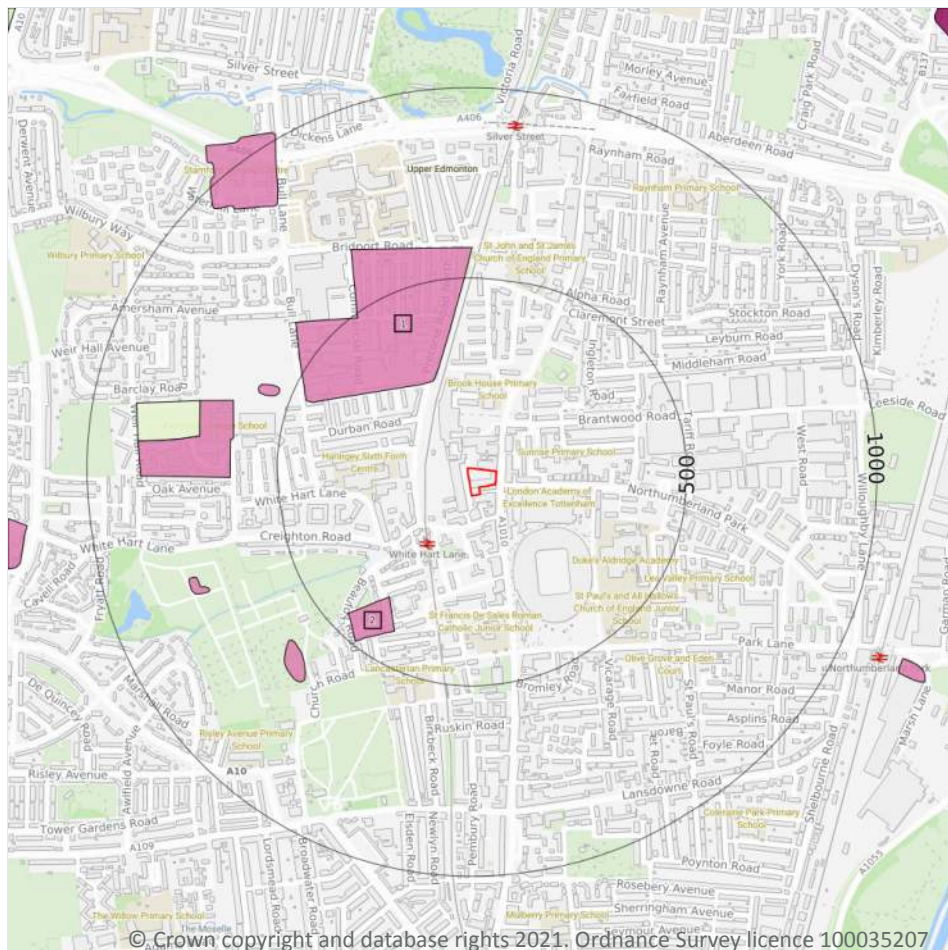
Features are displayed on the Geology 1:10,000 scale - Availability map on **page 91**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	No coverage	TQ39SW

This data is sourced from the British Geological Survey.



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



— Site Outline
Search buffers in metres (m)

- Reclaimed ground
- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

14.2 Artificial and made ground (10k)

Records within 500m

2

Details of made, worked, infilled, disturbed and landscaped ground at 1:10,000 scale. Artificial ground can be associated with potentially contaminated material, unpredictable engineering conditions and instability.

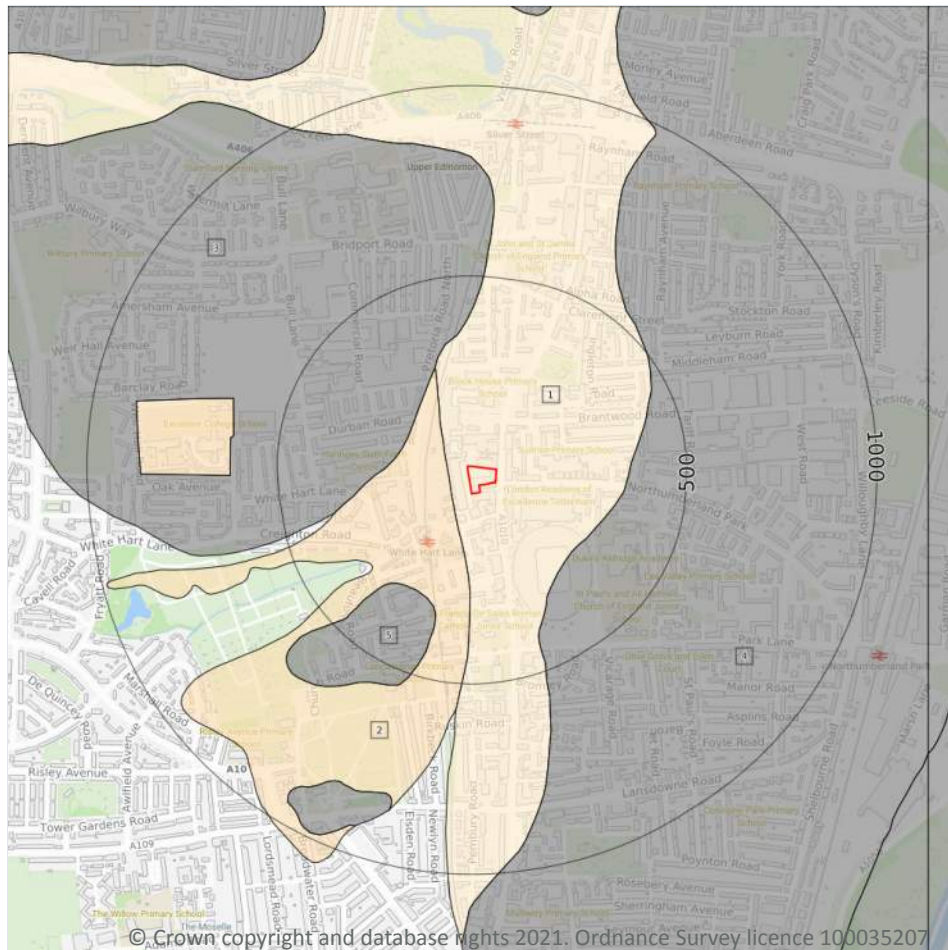
Features are displayed on the Geology 1:10,000 scale - Artificial and made ground map on **page 92**

ID	Location	LEX Code	Description	Rock description
1	247m N	WGR-UNKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry
2	343m SW	WGR-UNKNOWN	Worked Ground (Undivided)	Unknown/unclassified Entry

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (10k)

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

14.3 Superficial geology (10k)

Records within 500m

5

Superficial geological deposits at 1:10,000 scale. Also known as 'drift', these are the youngest geological deposits, formed during the Quaternary. They rest on older deposits or rocks referred to as bedrock.

Features are displayed on the Geology 1:10,000 scale - Superficial map on **page 93**

ID	Location	LEX Code	Description	Rock description
1	On site	KPGR-XSV	Kempton Park Gravel Formation - Sand And Gravel	Sand And Gravel
2	51m W	TPGR-XSV	Taplow Gravel Formation - Sand And Gravel	Sand And Gravel
3	174m NW	ESI-Z	Enfield Silt Member - Silt	Silt
4	271m SE	ESI-Z	Enfield Silt Member - Silt	Silt



ID	Location	LEX Code	Description	Rock description
5	292m SW	ESI-Z	Enfield Silt Member - Silt	Silt

This data is sourced from the British Geological Survey.

14.4 Landslip (10k)

Records within 500m

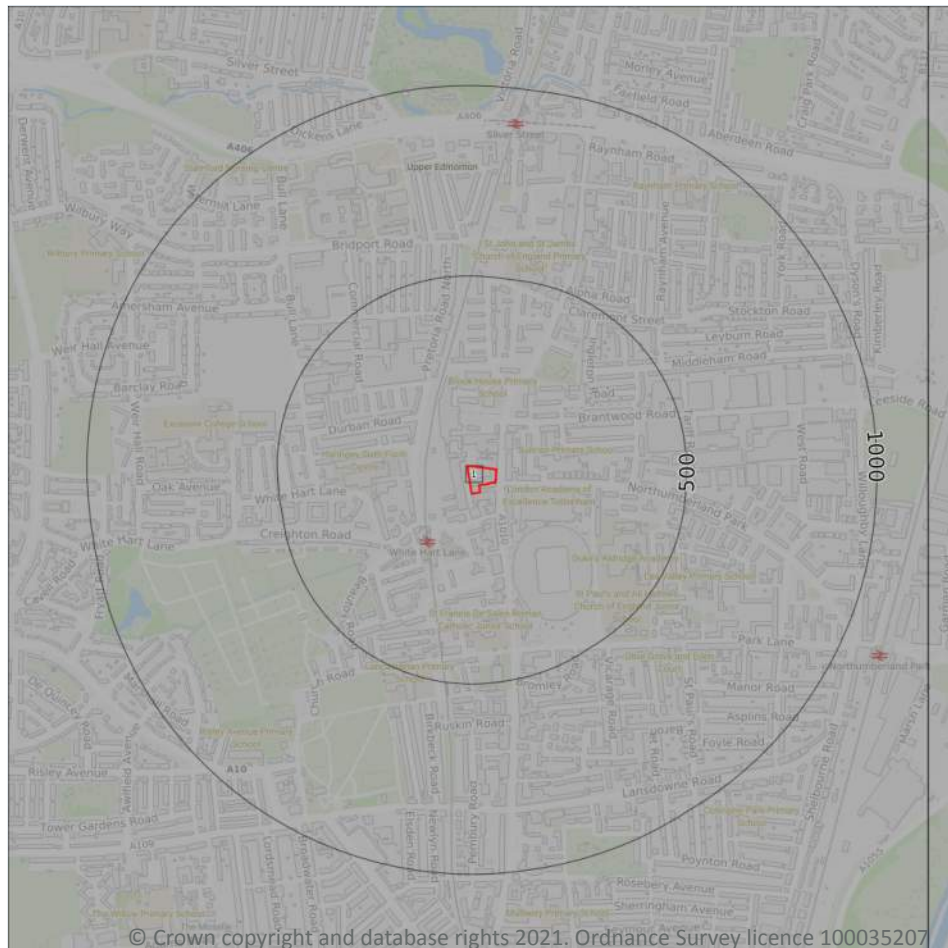
0

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

This data is sourced from the British Geological Survey.



Geology 1:10,000 scale - Bedrock



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

14.5 Bedrock geology (10k)

Records within 500m

1

Bedrock geology at 1:10,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:10,000 scale - Bedrock map on **page 95**

ID	Location	LEX Code	Description	Rock age
1	On site	LC-CLAY	London Clay Formation - Clay	Eocene Epoch

This data is sourced from the British Geological Survey.



14.6 Bedrock faults and other linear features (10k)

Records within 500m

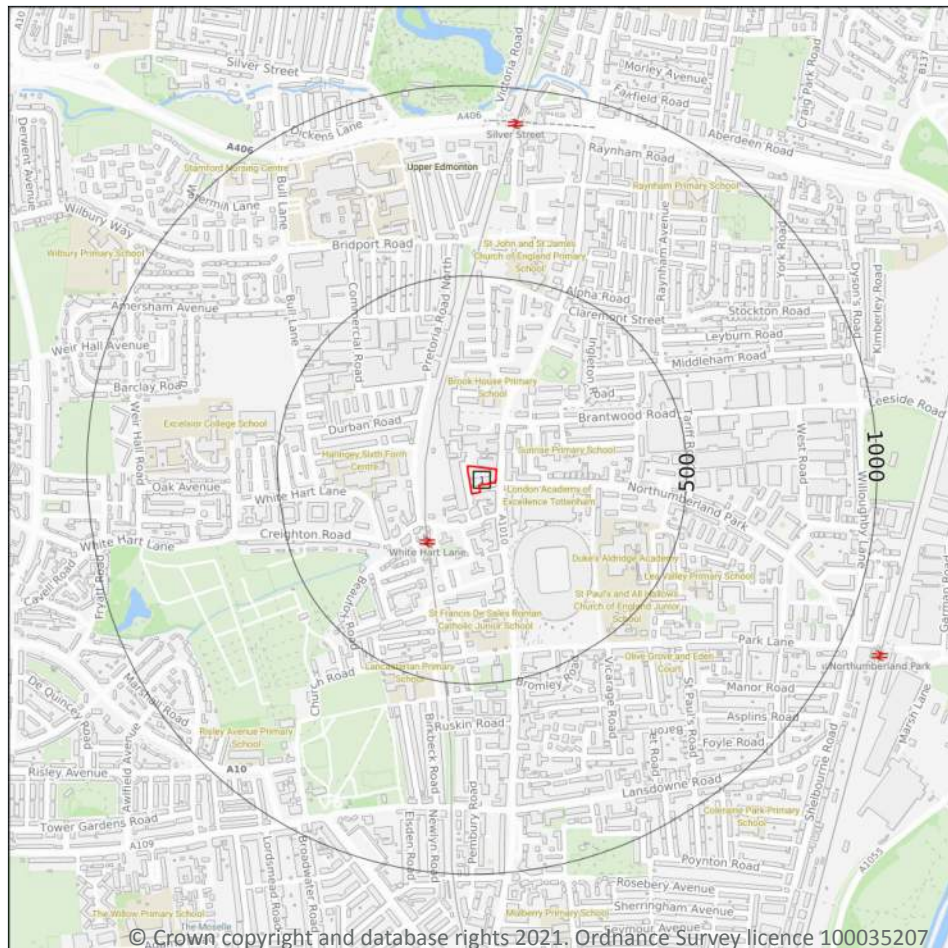
0

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

This data is sourced from the British Geological Survey.



15 Geology 1:50,000 scale - Availability



— Site Outline
Search buffers in metres (m)

☐ Geological map tile

15.1 50k Availability

Records within 500m

1

An indication on the coverage of 1:50,000 scale geology data for the site. Either 'Full' or 'No coverage' for each geological theme.

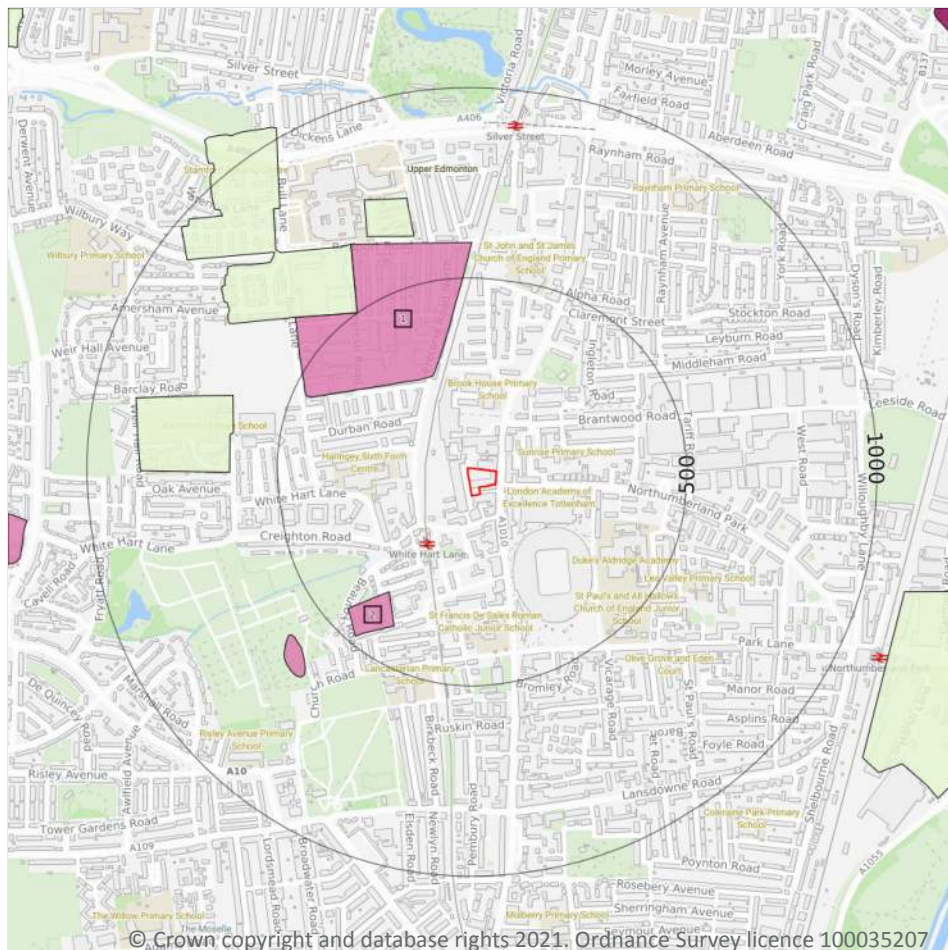
Features are displayed on the Geology 1:50,000 scale - Availability map on **page 97**

ID	Location	Artificial	Superficial	Bedrock	Mass movement	Sheet No.
1	On site	Full	Full	Full	Full	EW256_north_london_v4

This data is sourced from the British Geological Survey.



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



— Site Outline
Search buffers in metres (m)

- Made ground
- Worked ground
- Infilled ground
- Disturbed ground
- Landscaped ground

15.2 Artificial and made ground (50k)

Records within 500m

2

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

Features are displayed on the Geology 1:50,000 scale - Artificial and made ground map on **page 98**

ID	Location	LEX Code	Description	Rock description
1	259m N	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID
2	333m SW	WGR-VOID	WORKED GROUND (UNDIVIDED)	VOID

This data is sourced from the British Geological Survey.

15.3 Artificial ground permeability (50k)

Records within 50m

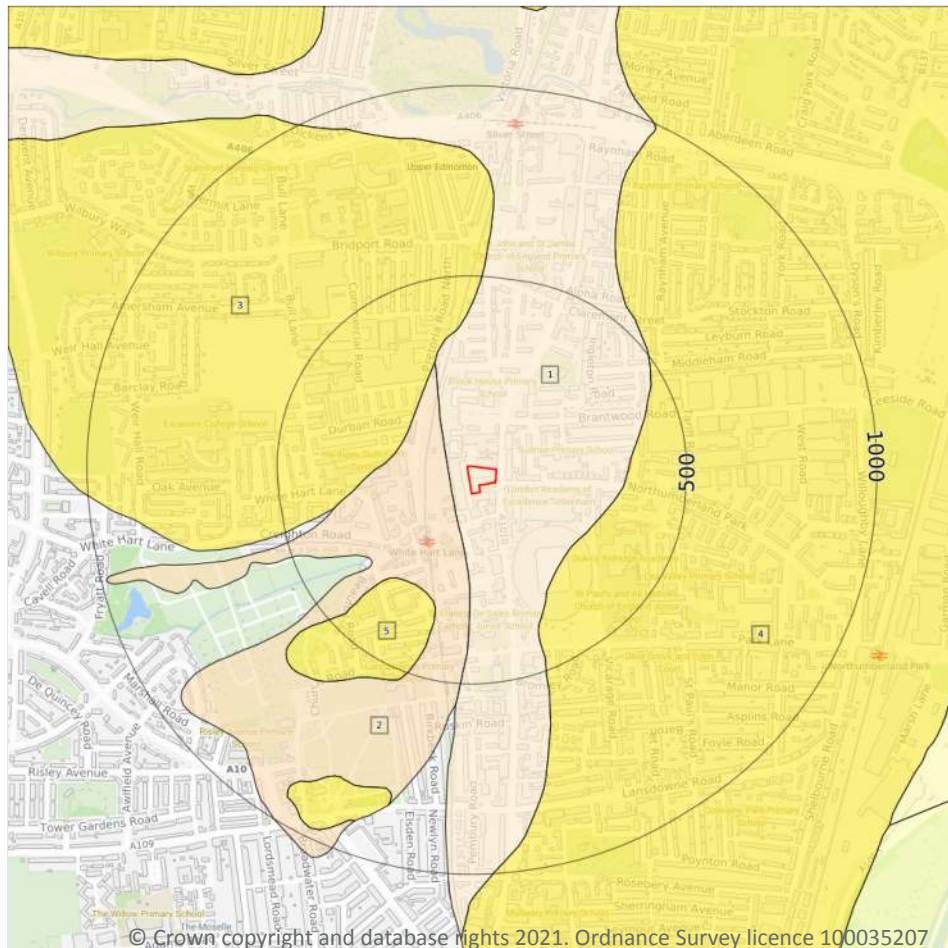
0

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

This data is sourced from the British Geological Survey.



Geology 1:50,000 scale - Superficial



Site Outline

Search buffers in metres (m)

Landslip (50k)

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

15.4 Superficial geology (50k)

Records within 500m

5

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

Features are displayed on the Geology 1:50,000 scale - Superficial map on **page 100**

ID	Location	LEX Code	Description	Rock description
1	On site	KPGR-XSV	KEMPTON PARK GRAVEL MEMBER	SAND AND GRAVEL
2	50m W	TPGR-XSV	TAPLOW GRAVEL MEMBER	SAND AND GRAVEL
3	181m NW	ESI-XCZ	ENFIELD SILT MEMBER	CLAY AND SILT
4	261m SE	ESI-XCZ	ENFIELD SILT MEMBER	CLAY AND SILT



ID	Location	LEX Code	Description	Rock description
5	281m SW	ESI-XCZ	ENFIELD SILT MEMBER	CLAY AND SILT

This data is sourced from the British Geological Survey.

15.5 Superficial permeability (50k)

Records within 50m	1
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any superficial deposits (the zone between the land surface and the water table).

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

This data is sourced from the British Geological Survey.

15.6 Landslip (50k)

Records within 500m	0
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Mass movement deposits on BGS geological maps at 1:50,000 scale. Primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground.

This data is sourced from the British Geological Survey.

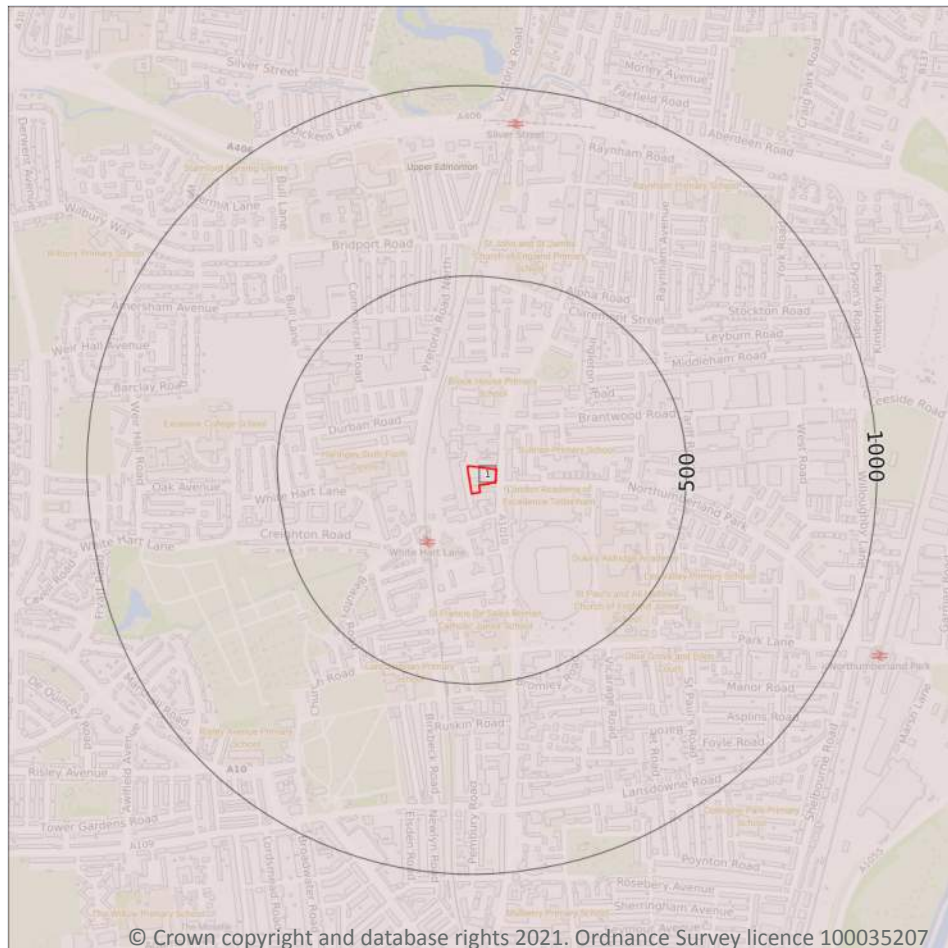
15.7 Landslip permeability (50k)

Records within 50m	0
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A qualitative classification of estimated rates of vertical movement of water from the ground surface through the unsaturated zone of any landslip deposits (the zone between the land surface and the water table).

This data is sourced from the British Geological Survey.

Geology 1:50,000 scale - Bedrock



- Site Outline
- Search buffers in metres (m)
- Bedrock faults and other linear features (50k)
- Bedrock geology (50k)
Please see table for more details.

15.8 Bedrock geology (50k)

Records within 500m

1

Bedrock geology at 1:50,000 scale. The main mass of rocks forming the Earth and present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

Features are displayed on the Geology 1:50,000 scale - Bedrock map on **page 102**

ID	Location	LEX Code	Description	Rock age
1	On site	LC-XCZS	LONDON CLAY FORMATION - CLAY, SILT AND SAND	YPRESIAN

This data is sourced from the British Geological Survey.

15.9 Bedrock permeability (50k)

Records within 50m**1**

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

Location	Flow type	Maximum permeability	Minimum permeability
On site	Mixed	Moderate	Very Low

This data is sourced from the British Geological Survey.

15.10 Bedrock faults and other linear features (50k)

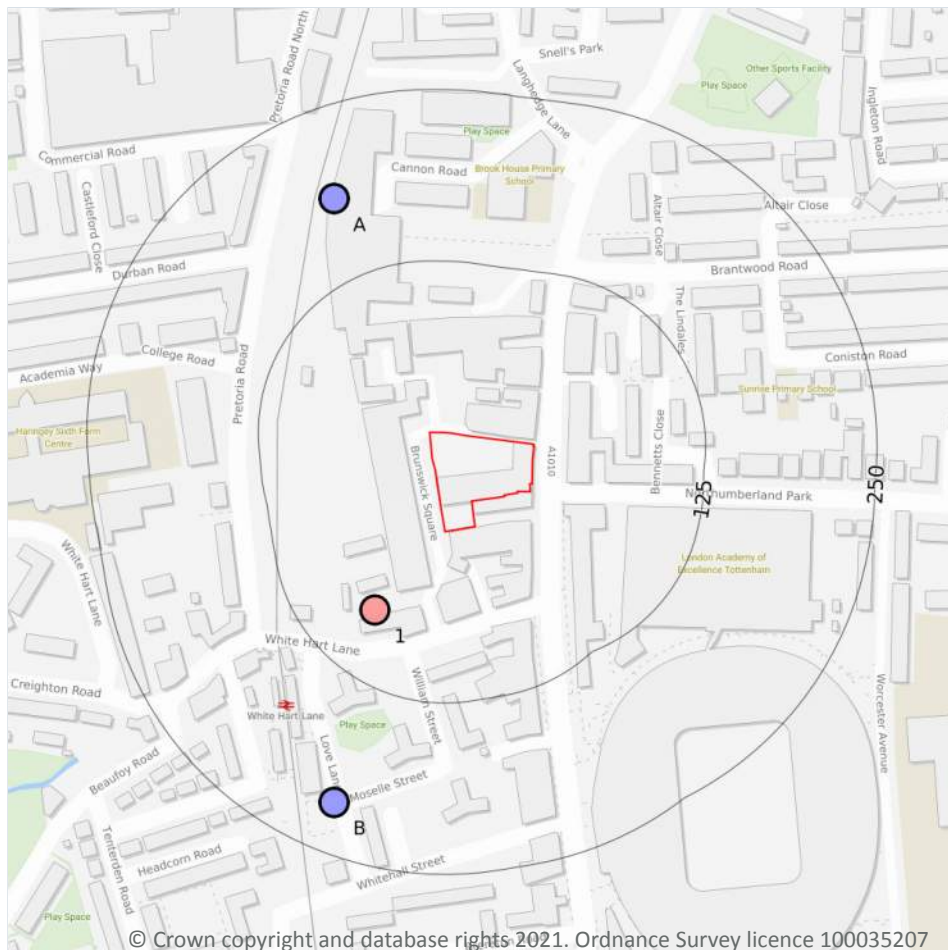
Records within 500m**0**

Linear features at the ground or bedrock surface at 1:50,000 scale of six main types; rock, fault, fold axis, mineral vein, alteration area or landform. Features are either observed or inferred, and relate primarily to bedrock.

This data is sourced from the British Geological Survey.



16 Boreholes



— Site Outline
Search buffers in metres (m)

- Confidential
- 0 - 10m
- 10 - 30m
- 30m+
- Unknown

16.1 BGS Boreholes

Records within 250m

5

The Single Onshore Boreholes Index (SOBI); an index of over one million records of boreholes, shafts and wells from all forms of drilling and site investigation work held by the British Geological Survey. Covering onshore and nearshore boreholes dating back to at least 1790 and ranging from one to several thousand metres deep.

Features are displayed on the Boreholes map on **page 104**

ID	Location	Grid reference	Name	Length	Confidential	Web link
1	77m SW	533750 191400	WHITE HART LANE TOTTENHAM	91.44	N	804149
A	184m N	533720 191700	BROOK HOUSE TOTTENHAM	6.71	N	804169
A	184m N	533720 191700	BROOK HOUSE TOTTENHAM	5.97	N	804168

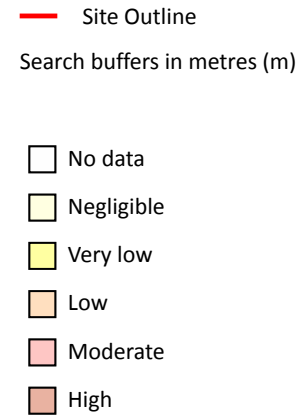
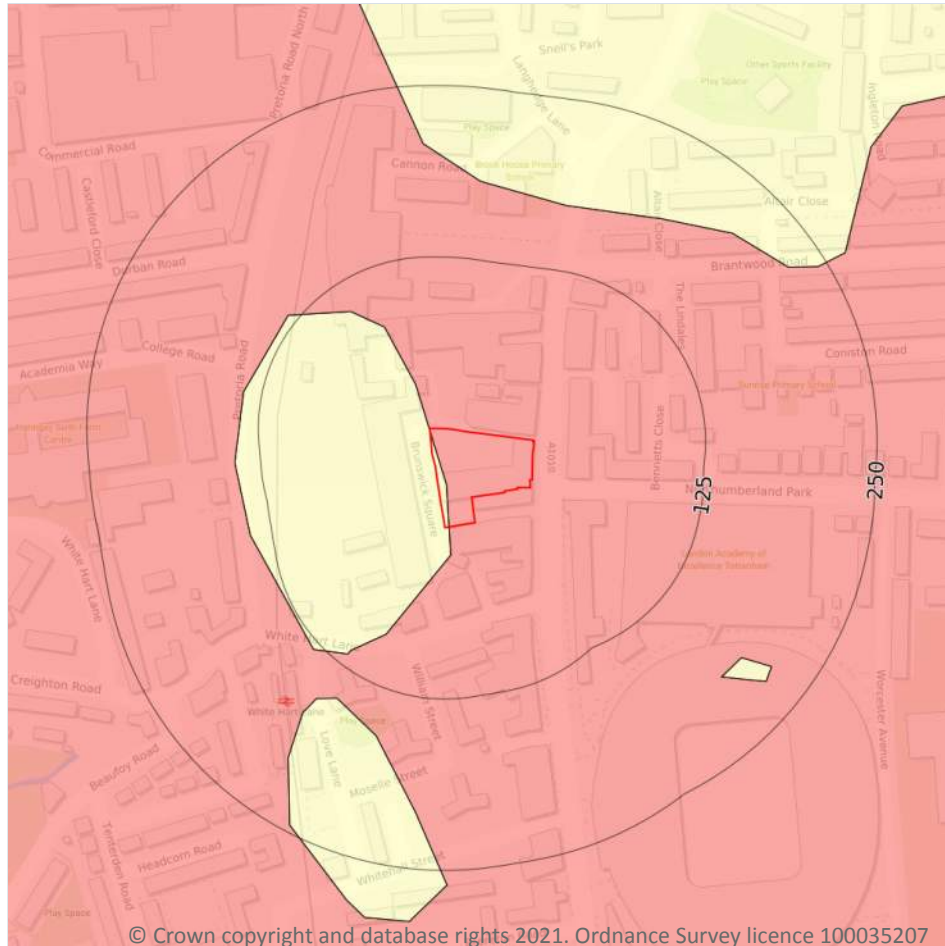


ID	Location	Grid reference	Name	Length	Confidential	Web link
B	213m S	533720 191260	ORCHARD PLACE TOTTENHAM	9.3	N	803914
B	213m S	533720 191260	ORCHARD PLACE TOTTENHAM	9.14	N	803913

This data is sourced from the British Geological Survey.



17 Natural ground subsidence - Shrink swell clays



17.1 Shrink swell clays

Records within 50m

2

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

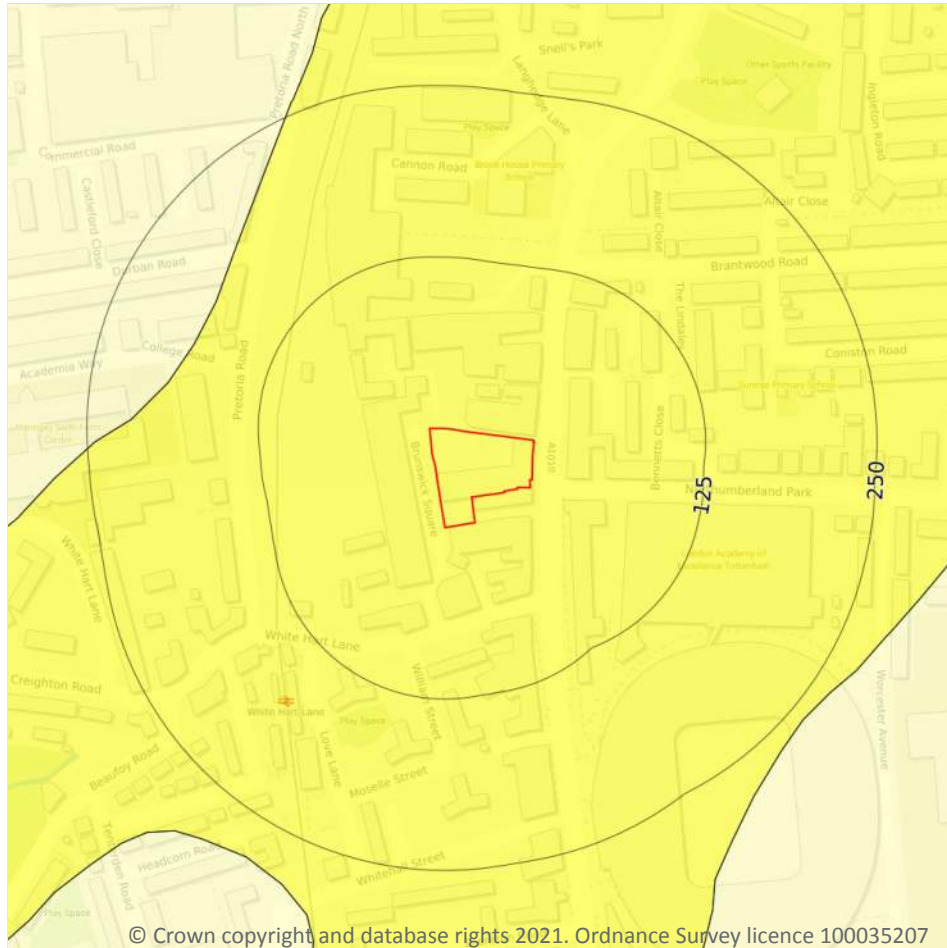
Features are displayed on the Natural ground subsidence - Shrink swell clays map on **page 106**

Location	Hazard rating	Details
On site	Negligible	Ground conditions predominantly non-plastic.
On site	Moderate	Ground conditions predominantly high plasticity.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Running sands



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

17.2 Running sands

Records within 50m

1

The potential hazard presented by rocks that can contain loosely-packed sandy layers that can become fluidised by water flowing through them. Such sands can 'run', removing support from overlying buildings and causing potential damage.

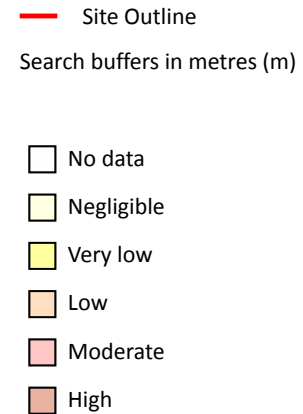
Features are displayed on the Natural ground subsidence - Running sands map on **page 107**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Compressible deposits



17.3 Compressible deposits

Records within 50m

1

The potential hazard presented by types of ground that may contain layers of very soft materials like clay or peat and may compress if loaded by overlying structures, or if the groundwater level changes, potentially resulting in depression of the ground and disturbance of foundations.

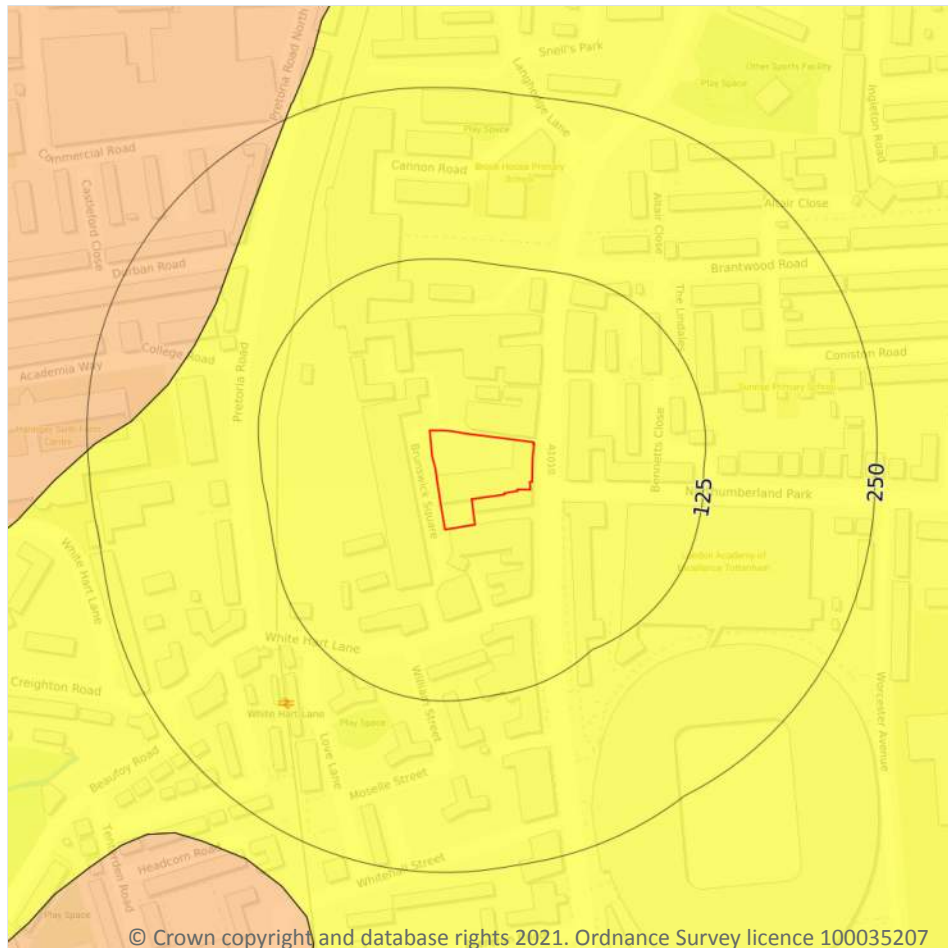
Features are displayed on the Natural ground subsidence - Compressible deposits map on **page 108**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Collapsible deposits



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

17.4 Collapsible deposits

Records within 50m

1

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

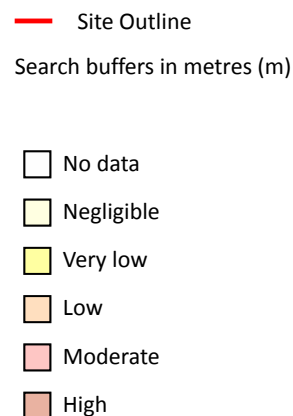
Features are displayed on the Natural ground subsidence - Collapsible deposits map on **page 109**

Location	Hazard rating	Details
On site	Very low	Deposits with potential to collapse when loaded and saturated are unlikely to be present.

This data is sourced from the British Geological Survey.



Natural ground subsidence - Landslides



17.5 Landslides

Records within 50m

1

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

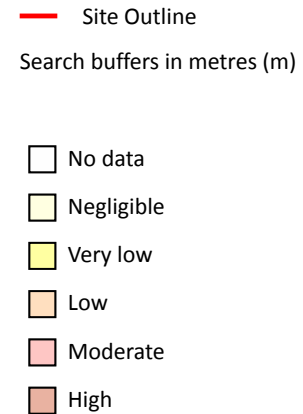
Features are displayed on the Natural ground subsidence - Landslides map on **page 110**

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

This data is sourced from the British Geological Survey.



Natural ground subsidence - Ground dissolution of soluble rocks



17.6 Ground dissolution of soluble rocks

Records within 50m

1

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

Features are displayed on the Natural ground subsidence - Ground dissolution of soluble rocks map on **page 111**

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

This data is sourced from the British Geological Survey.



18 Mining, ground workings and natural cavities



- Site Outline
- Search buffers in metres (m)
- Natural cavities (Area)
- Natural cavities (Point)
- BritPits
- Surface ground workings
- Underground workings
- Historical Mineral Planning Areas
- Mining Cavities
- Non Coal Mining
- Sporadic underground mining of restricted extent possible
- Localised small scale underground mining possible
- Small scale mining possible
- Underground mining known or likely within or in close proximity
- Underground mining known within or in very close proximity

18.1 Natural cavities

Records within 500m

0

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

This data is sourced from Stantec UK Ltd.

18.2 BritPits

Records within 500m

0

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

This data is sourced from the British Geological Survey.

18.3 Surface ground workings

Records within 250m

4

Historical land uses identified from Ordnance Survey mapping that involved ground excavation at the surface. These features may or may not have been subsequently backfilled.

Features are displayed on the Mining, ground workings and natural cavities map on **page 113**

ID	Location	Land Use	Year of mapping	Mapping scale
A	179m N	Pond	1879	1:10560
A	179m N	Pond	1869	1:10560
B	215m S	Brick Field	1879	1:10560
B	215m S	Brick Field	1869	1:10560

This data is sourced from Ordnance Survey/Groundsure.

18.4 Underground workings

Records within 1000m

0

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

This data is sourced from Ordnance Survey/Groundsure.

18.5 Historical Mineral Planning Areas

Records within 500m

0

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

This data is sourced from the British Geological Survey.



18.6 Non-coal mining

Records within 1000m

0

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

This data is sourced from the British Geological Survey.

18.7 Mining cavities

Records within 1000m

0

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

This data is sourced from Stantec UK Ltd.

18.8 JPB mining areas

Records on site

0

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

This data is sourced from Johnson Poole and Bloomer.

18.9 Coal mining

Records on site

0

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

This data is sourced from the Coal Authority.

18.10 Brine areas

Records on site

0

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

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



18.11 Gypsum areas

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

This data is sourced from British Gypsum.

18.12 Tin mining

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

Generalised areas that may be affected by historical tin mining.

This data is sourced from Mining Searches UK.

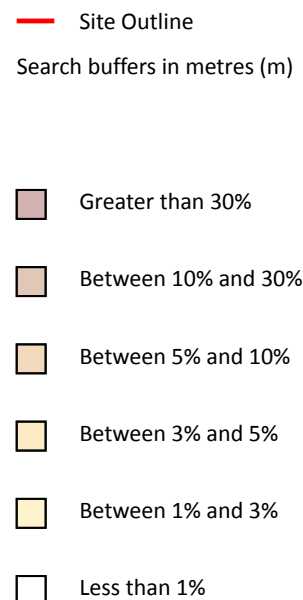
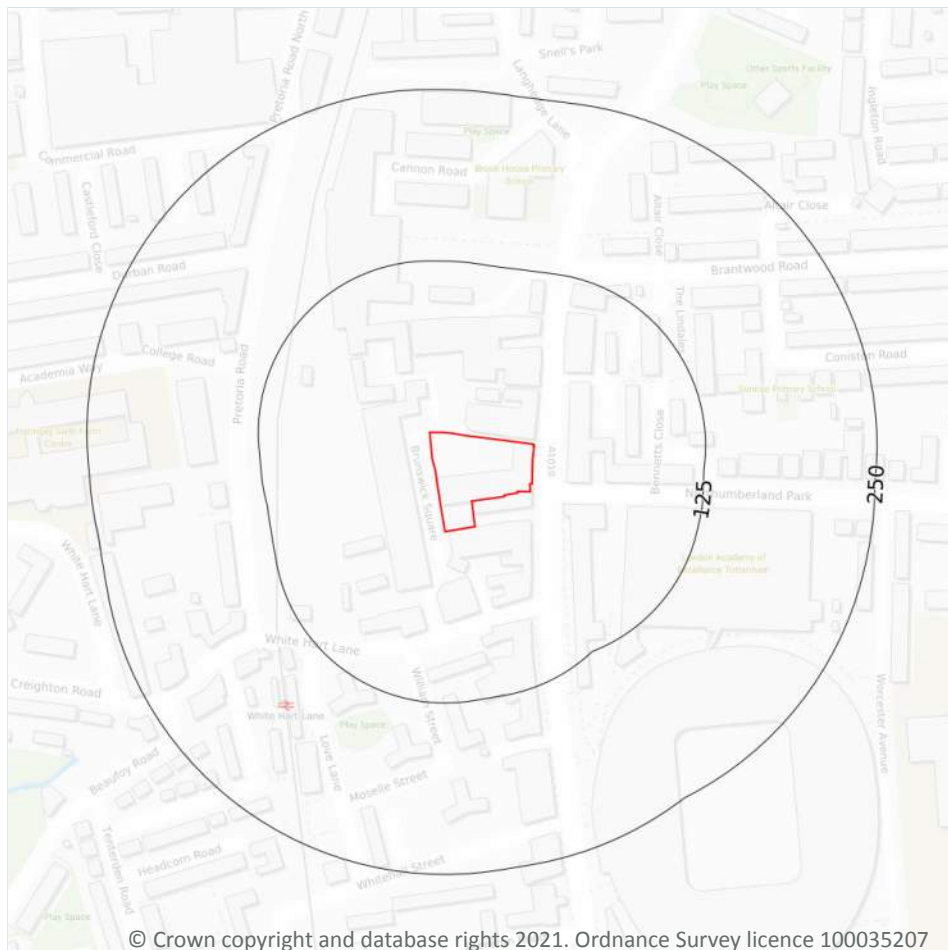
18.13 Clay mining

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

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

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

19 Radon



19.1 Radon

Records on site

1

Estimated percentage of dwellings exceeding the Radon Action Level. This data is the highest resolution radon dataset available for the UK and is produced to a 75m level of accuracy to allow for geological data accuracy and a 'residential property' buffer. The findings of this section should supersede any estimations derived from the Indicative Atlas of Radon in Great Britain. The data was derived from both geological assessments and long term measurements of radon in more than 479,000 households.

Features are displayed on the Radon map on **page 117**

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

This data is sourced from the British Geological Survey and Public Health England.



20 Soil chemistry

20.1 BGS Estimated Background Soil Chemistry

Records within 50m

2

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

Location	Arsenic	Bioaccessible Arsenic	Lead	Bioaccessible Lead	Cadmium	Chromium	Nickel
On site	No data	No data	No data	No data	No data	No data	No data
On site	No data	No data	No data	No data	No data	No data	No data

This data is sourced from the British Geological Survey.

20.2 BGS Estimated Urban Soil Chemistry

Records within 50m

6

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

Location	Arsenic (mg/kg)	Bioaccessible Arsenic (mg/kg)	Lead (mg/kg)	Bioaccessible Lead (mg/kg)	Cadmium (mg/kg)	Chromium (mg/kg)	Copper (mg/kg)	Nickel (mg/kg)	Tin (mg/kg)
On site	16	2.8	237	163	0.7	71	71	29	22
On site	17	3	249	171	0.8	72	83	31	23
On site	17	3	323	222	0.8	70	97	28	31
On site	17	3	310	213	0.7	70	84	27	29
34m E	17	3	252	173	0.8	72	91	30	25
35m E	17	3	313	215	0.7	69	110	27	34

This data is sourced from the British Geological Survey.



20.3 BGS Measured Urban Soil Chemistry

Records within 50m

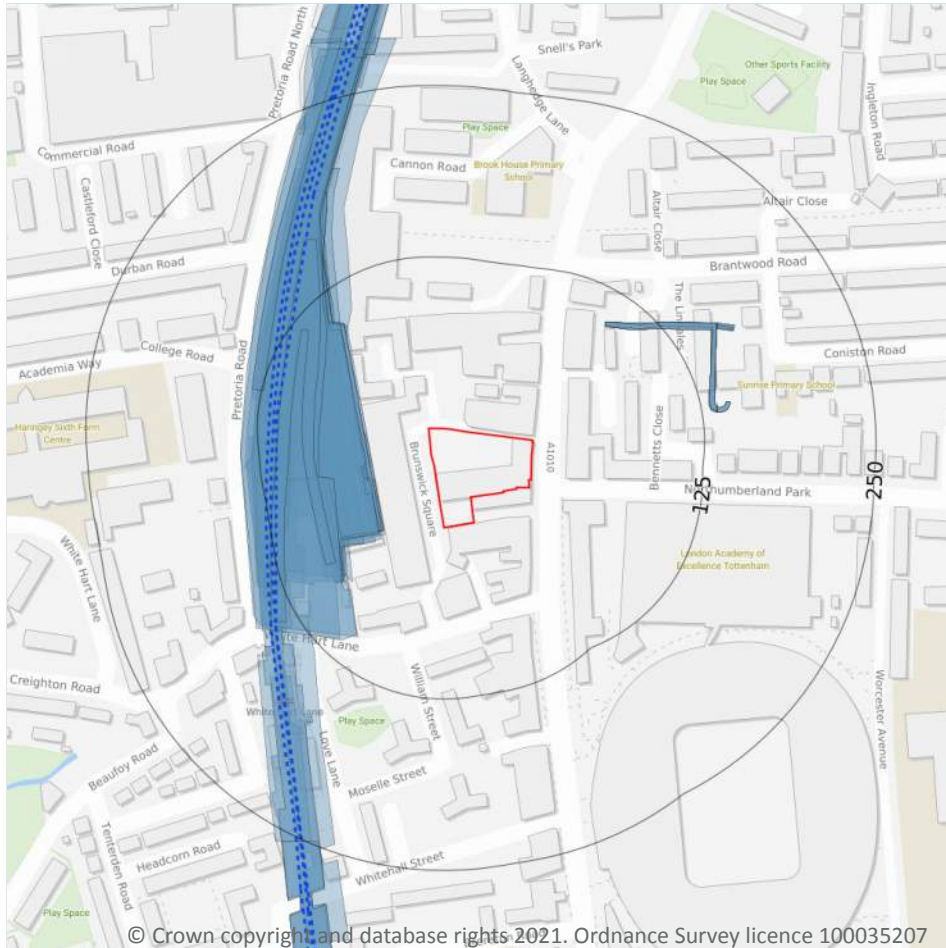
0

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

This data is sourced from the British Geological Survey.



21 Railway infrastructure and projects



21.1 Underground railways (London)

Records within 250m

0

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

This data is sourced from publicly available information by Groundsure.

21.2 Underground railways (Non-London)

Records within 250m

0

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



This data is sourced from publicly available information by Groundsure.

21.3 Railway tunnels

Records within 250m

0

Railway tunnels taken from contemporary Ordnance Survey mapping.

This data is sourced from the Ordnance Survey.

21.4 Historical railway and tunnel features

Records within 250m

44

Railways and tunnels digitised from historical Ordnance Survey mapping as scales of 1:1,250, 1:2,500, 1:10,000 and 1:10,560.

Features are displayed on the Railway infrastructure and projects map on **page 120**

Location	Land Use	Year of mapping	Mapping scale
43m W	Railway Sidings	1982	10000
44m W	Railway	1935	-
44m W	Railway Sidings	1938	10560
45m W	Railway Sidings	1966	10560
45m W	Railway Sidings	1974	10000
47m W	Railway Sidings	1920	10560
47m W	Railway	1914	-
47m W	Railway Sidings	1951	10560
48m W	Railway Sidings	1972	1250
49m W	Railway Sidings	1955	1250
49m W	Railway Sidings	1964	1250
49m W	Railway Sidings	1955	2500
50m W	Railway Sidings	1970	1250
50m W	Railway Sidings	1975	1250
50m W	Railway Sidings	1964	1250
50m W	Railway Sidings	1955	1250
51m W	Railway Sidings	1913	2500



Location	Land Use	Year of mapping	Mapping scale
57m W	Railway	1894	-
58m W	Railway Sidings	1955	1250
58m W	Railway Sidings	1964	1250
59m W	Railway Sidings	1972	1250
67m W	Railway	1896	-
73m W	Railway Sidings	1894	10560
74m W	Railway Sidings	1955	1250
79m W	Railway Sidings	1896	2500
83m W	Railway Sidings	1896	10560
98m NE	Railway Sidings	1970	1250
98m NE	Railway Sidings	1964	1250
98m NE	Railway Sidings	1955	1250
99m NE	Railway Sidings	1955	2500
103m W	Railway Sidings	1955	1250
103m W	Railway Sidings	1964	1250
104m W	Railway Sidings	1972	1250
118m W	Railway Sidings	1955	1250
119m W	Railway Sidings	1955	2500
123m W	Railway Sidings	1896	10560
136m E	Railway Sidings	1965	1250
136m E	Railway Sidings	1968	2500
136m E	Railway Sidings	1955	2500
157m NE	Railway Sidings	1965	1250
157m NE	Railway Sidings	1968	2500
157m NE	Railway Sidings	1955	2500
158m NE	Railway Sidings	1955	1250
247m S	Railway	1913	-

This data is sourced from Ordnance Survey/Groundsure.



21.5 Royal Mail tunnels

Records within 250m

0

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

This data is sourced from Groundsure/the Postal Museum.

21.6 Historical railways

Records within 250m

0

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

This data is sourced from OpenStreetMap.

21.7 Railways

Records within 250m

11

Currently existing railway lines, including standard railways, narrow gauge, funicular, trams and light railways. Features are displayed on the Railway infrastructure and projects map on **page 120**

Location	Name	Type
111m W	Not given	Multi Track
113m W	Lea Valley Lines	rail
117m W	Lea Valley Lines	rail
142m SW	Lea Valley Lines	rail
143m SW	Not given	Multi Track
145m SW	Lea Valley Lines	rail
149m SW	Lea Valley Lines	rail
152m SW	Lea Valley Lines	rail
190m NW	Not given	Multi Track
232m SW	Not given	Multi Track
238m N		rail

This data is sourced from Ordnance Survey and OpenStreetMap.



21.8 Crossrail 1

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.

21.9 Crossrail 2

Records within 500m**0**

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

This data is sourced from publicly available information by Groundsure.

21.10 HS2

Records within 500m**0**

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

This data is sourced from HS2 Ltd.

Data providers

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

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8ER

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Report Ref: GS-7792030
Grid Ref: 533828, 191493

Map Name: County Series

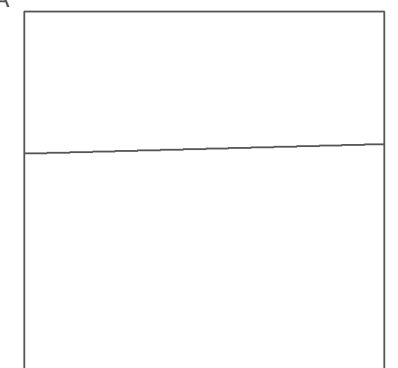
Map date: 1864

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1864
Revised 1864
Edition N/A
Copyright N/A
Levelled N/A

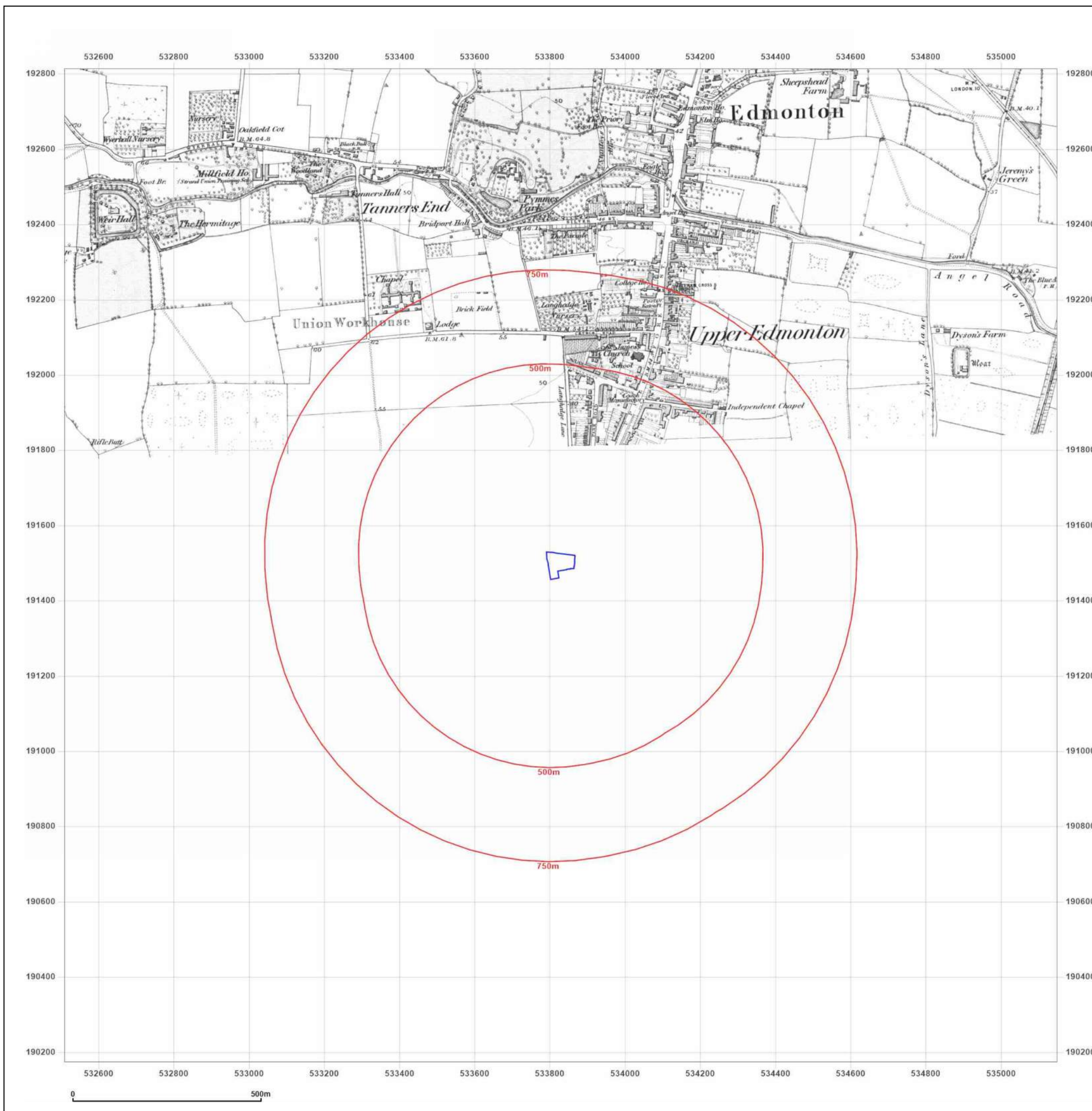


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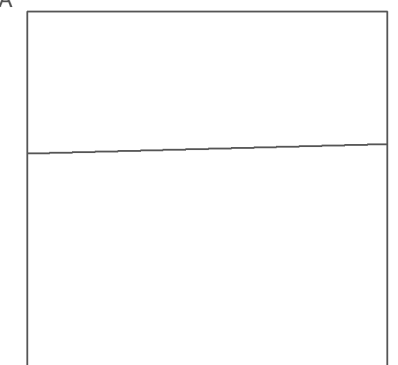
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Scale: 1:10,560

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Surveyed 1866
Revised 1866
Edition 1872
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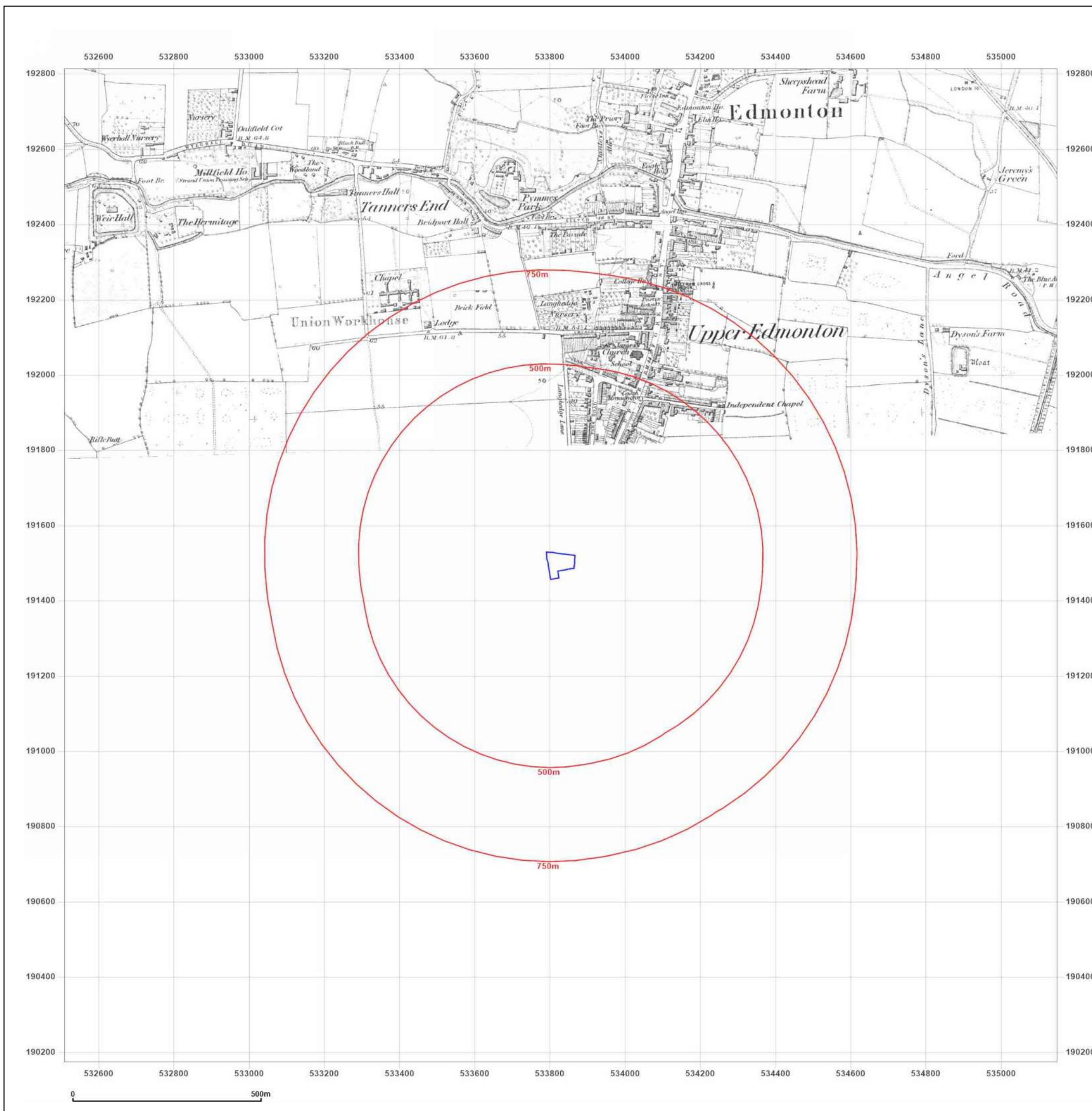


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Report Ref: GS-7792030
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Map Name: County Series

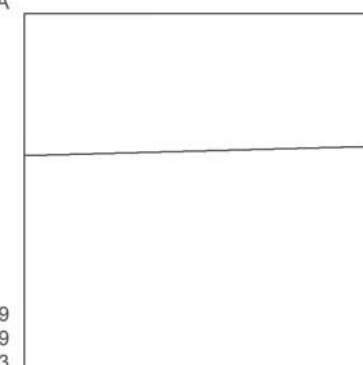
Map date: 1872-1873

Scale: 1:10,560

Printed at: 1:10,560



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Revised 1864
Edition 1872
Copyright N/A
Levelled N/A



Surveyed 1869
Revised 1869
Edition 1873
Copyright N/A
Levelled N/A

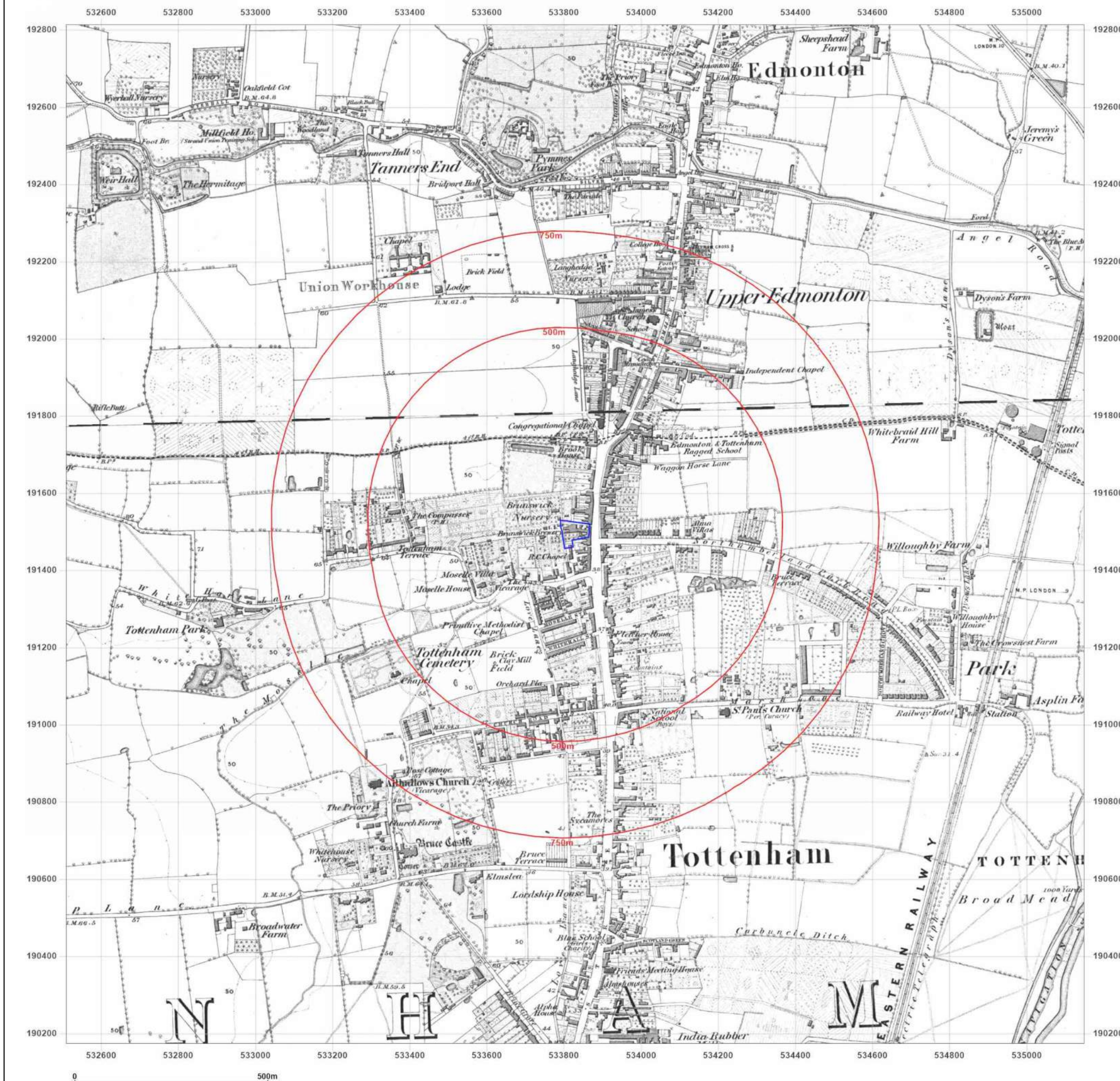


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8ER

Client Ref: 0049225_2006_HRW_Printworks
Report Ref: GS-7792030
Grid Ref: 533828, 191493

Map Name: County Series

Map date: 1879

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1879
Revised 1879
Edition N/A
Copyright N/A
Levelled N/A

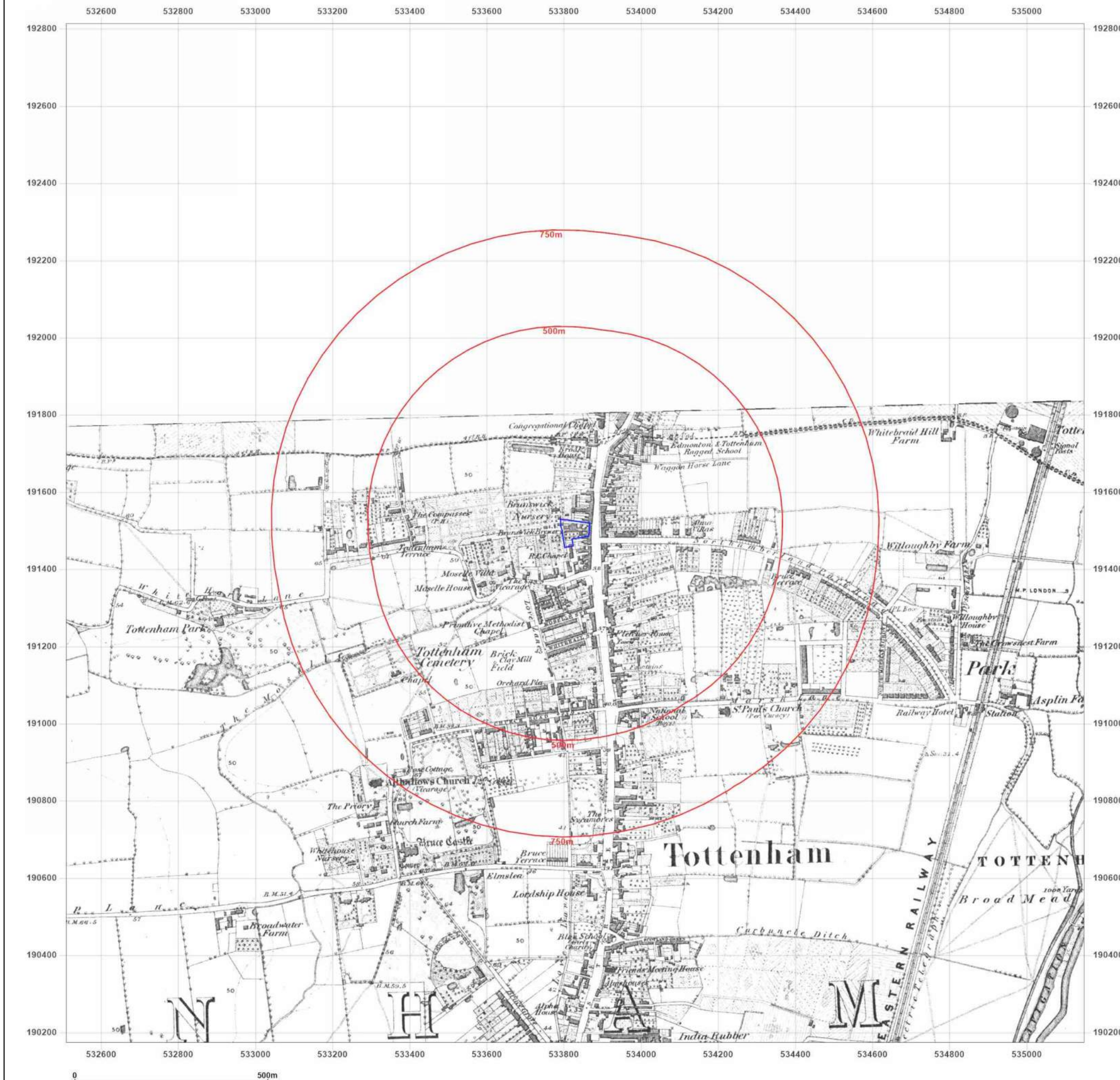


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8ER

Client Ref: 0049225_2006_HRW_Printworks
Report Ref: GS-7792030
Grid Ref: 533828, 191493

Map Name: County Series

Map date: 1894

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1894
Revised 1894
Edition N/A
Copyright N/A
Levelled N/A

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Revised 1894
Edition N/A
Copyright N/A
Levelled N/A

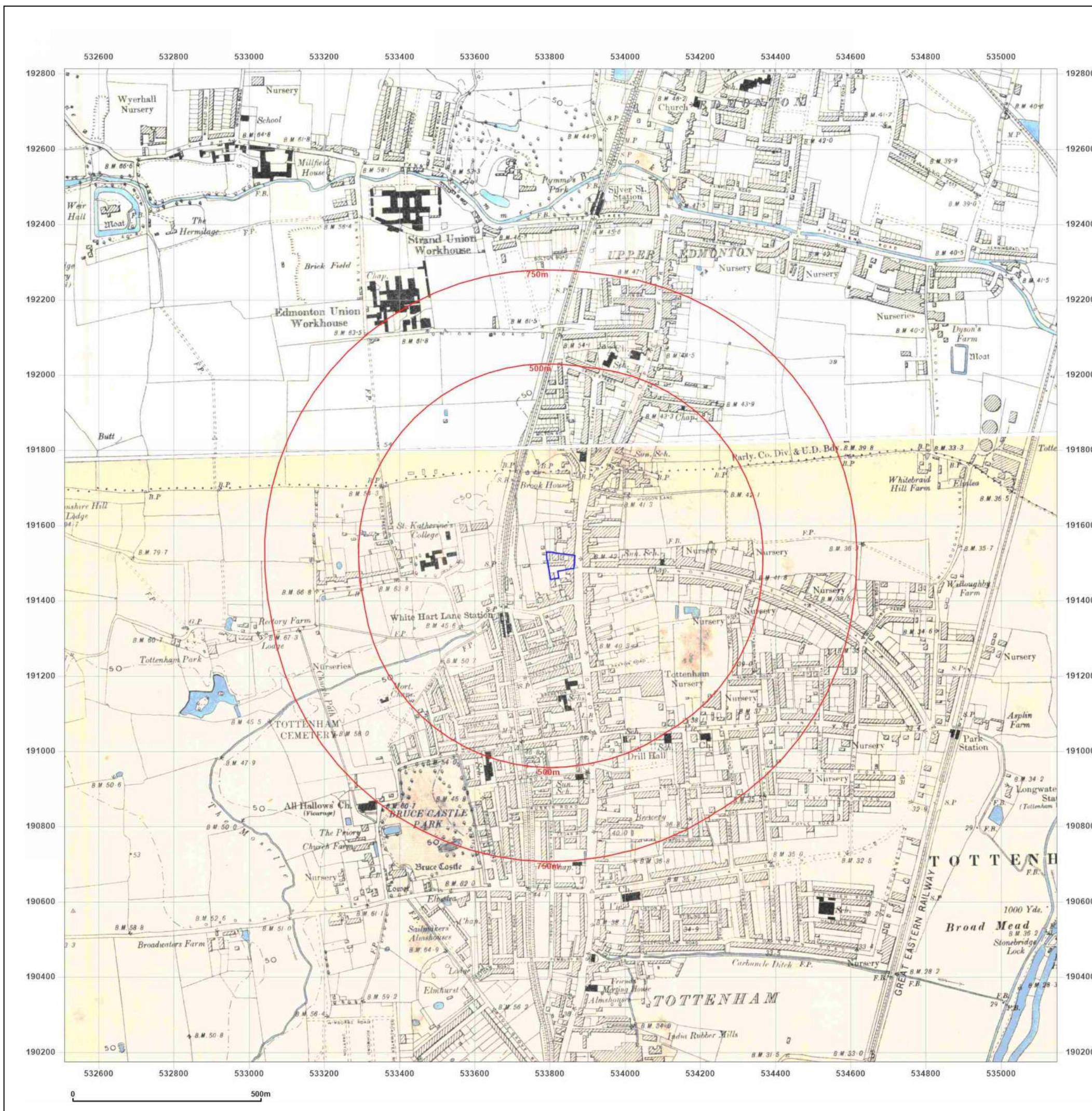


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Client Ref: 0049225_2006_HRW_Printworks
Report Ref: GS-7792030
Grid Ref: 533828, 191493

Map Name: County Series

Map date: 1896

Scale: 1:10,560

Printed at: 1:10,560



Surveyed 1894
Revised 1894
Edition 1896
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www.groundsure.com/sites/default/files/groundsure_legend.pdf

