PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

28 WOKINGHAM ROAD, READING, RG6 1JQ

FOR

PROPOSED HOUSING DEVELOPMENT

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1 INTRODUCTION

1.1 This investigation was commissioned by the developers, Messrs Berkshire Van Hire, in order to provide an initial assessment of the potential for ground contamination on the proposed development area.

1.2 The Contamination Assessments have been carried out with reference to CLR 11 (Model Procedures for the Management of Land Contamination), and BS 10175 (Code of Practice for the Investigation of Potentially Contaminated Sites). This phased approach is set out below.

1.3 Various photographs maps and plans are presented in the report text but these have also been reproduced at a larger size in the figure pages, 2 to 11.

Phase 1 (or Desk Study)

1.4 Firstly a conceptual model was formulated detailing all plausible contaminant linkages between potential sources of contaminants and their routes to potential receptors of those contaminants. This involved largely desk based investigations of historic maps and records together with site reconnaissance and some intrusive investigations.

1.5 Depending on circumstances and the outcome of the desk based work it may not be necessary to carry out further assessments.

Phase 2

1.6 Where plausible contamination linkages are identified at phase 1, a generic quantitative risk assessment should be carried out by physical investigation. Measured contaminant concentrations should be assessed with respect to generic (rather than site specific) guideline values. These comparisons should be used to review each of the linkages made in the conceptual model thus revising the model. This allows unacceptable risks to be defined and also the need for further assessment, physical investigations, or remedial works.

2 SITE DETAILS

Site Location

2.1 This site is located near Reading town centre, some 2km east of the town centre. The site centre is located at grid reference 473280E 173120N and post code reference RG6 1JQ.

Brief Description

2.2 The area under consideration is approximately 0.08ha and is irregular in shape.

2.3 At the time of the investigation the site was occupied by a tyre fitting firm and a hand carwash firm.

3 GEOLOGY, HYDROGEOLOGY, TOPOGRAPHY AND HYDROLOGY

Published Geology

3.1 The British Geological Survey Map, 1 in 10,000 scale Sheet Numbers SU77SW shows the site to be underlain superficial deposits of the Taplow Gravel Formation underlain by bedrock of the Lewes Nodular Chalk, Formation, Seaford Chalk Formation and Newhaven Chalk Formation (Undifferentiated).

Published Hydrogeology

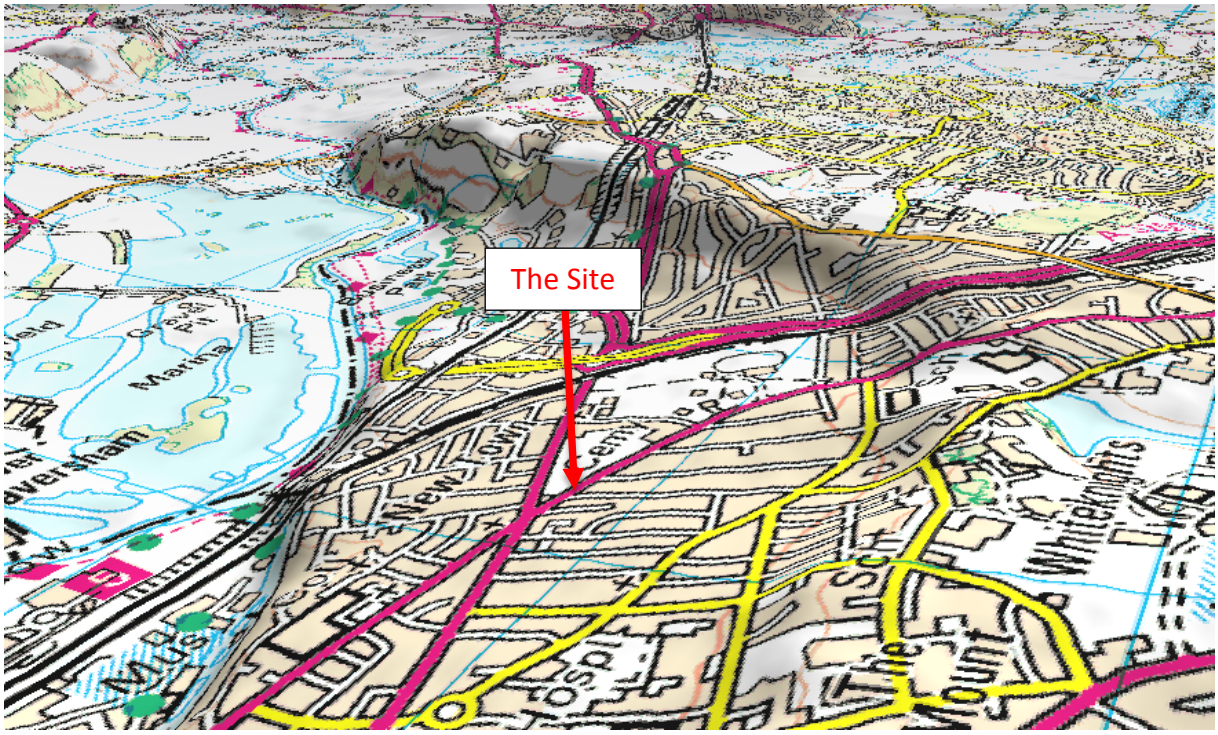
3.2 The Environment Agency Groundwater Maps (http://maps.environment-agency.gov.uk) which have replaced the old Groundwater Vulnerability mapping show the site to be underlain by 'bedrock' deposits (Upper Chalk) which are designated as a Principal Aquifer.

3.3 The overlying superficial gravel deposits are designated as a Secondary (A) Aquifer.

3.4 1 to 100,000 Institute of Geological Sciences Hydrogeological mapping for South West Chilterns and the Berkshire and Marlborough Downs shows the groundwater within the Chalk to be expected at an approximate level of 30m AOD. Given that the site lies at approximately 47m AOD implies that groundwater lies some 17m below ground level at the site location, at approximately the same level as the River Thames. Perched water may also be present within the superficial gravel deposits.

3.5 The direction of the contours indicates that the movement of the groundwater in the Upper Chalk is northward toward the River Thames.

Topography and Hydrology



Above a copy of the 1 to 50,000 scale map rendered according the height data given on these maps. (Note the vertical scale is greatly exaggerated to allow the topography to be visualised)

3.6 The site lies on a river terrace associated with the River Thames with a gentle downward slope towards the river, which itself lies some 750m north of the site.

3.7 There are no water courses or ponds/lakes noted on the site area or in the immediate surrounding area.

Migration of Surface Water and Groundwater

3.8 Given the topography and the underlying geology we would expect rain water to percolate into the ground rapidly to join groundwater at in the underlying Chalk. This groundwater is suspected to be at the same level as the water in the channels to the north (River Thames) and is therefore providing some base flow to these watercourses.

3.9 Overland flow, due to hardstanding with drainage, flows generally downhill to the north into an interceptor, although it is unknown where this drains too. Some surface water was noted as flowing into a road drain on Hamilton Road.

Catchment Areas for Contamination

3.10 On this basis we consider that catchment area for contaminants that could migrate onto the site was to the south. Contamination outside these areas would not be expected to pose any risk to the site. The site area is also shown to lie in the catchment for contamination of sensitive areas such as the chalk aquifer below the site.

4 SITE HISTORY

4.1 Extracts of historical maps which are centred on the site have been reviewed. Two sets of maps are available, the first set is at 1 in 10,560 scale or six inches to one mile and shows an area which encompasses a 1km radius around the site. During the 1960's to 1970's this set of maps was updated to a more rational scale of 1 in 10,000. The second set of maps is at 1 in 2,500 scale and encompass a 250m radius around the site.

4.2 The maps have been scrutinised for potential features which could indicate a contaminative past and the locations of the features are presented on the modern map below. A detailed description of the changes between each map issue has not been drawn up.

4.3 Distances between particular features and the site are given as a 'closest boundary to closest boundary' basis and rounded to the nearest 5m. The nature of the features may be unclear from the maps and the features are labelled exactly as shown on the maps. Suspected features or unlabelled features are marked as such.

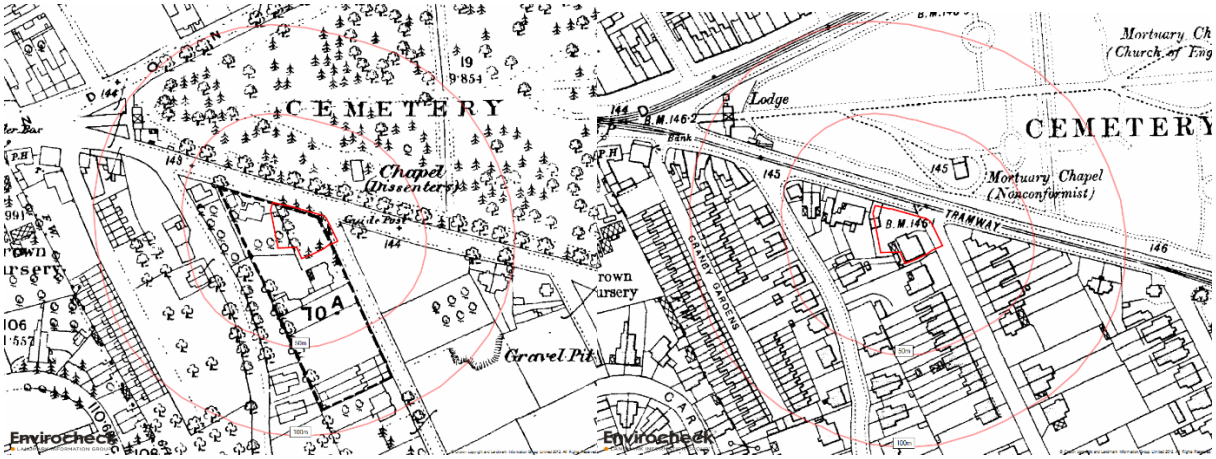
4.4 It should be noted that the decisions as to the inclusion of a surface feature during surveys was made by the surveyor involved at the time and not all pertinent features, with respect to contamination, may have been included.

Area Context

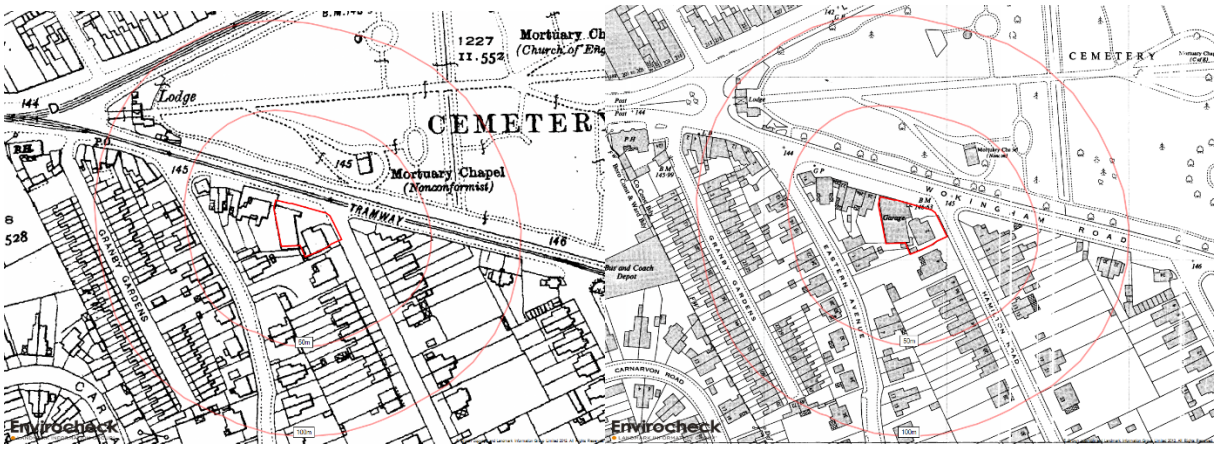
4.5 The first map in the six inches to one mile scale maps (1 in 10560) is dated 1883 and shows the site to lie on the eastern outskirts of Reading, with the Wokingham Road to

the immediate north already established. A large cemetery is noted immediate beyond the Wokingham Road. The town is seen to expand steadily in the early 20th century, with development slowing by WWII. Within this expansion is extensive residential areas, as well as an industrial zone noted some 600m to the north which includes a prison, a gas works and numerous factories. Post WWII the majority of development appears to be infill, rather than outwards expansion of the town. Most modern maps show almost no changes.

Site Area



1877-1879 **1912-1913**



1931-1934 **1957**



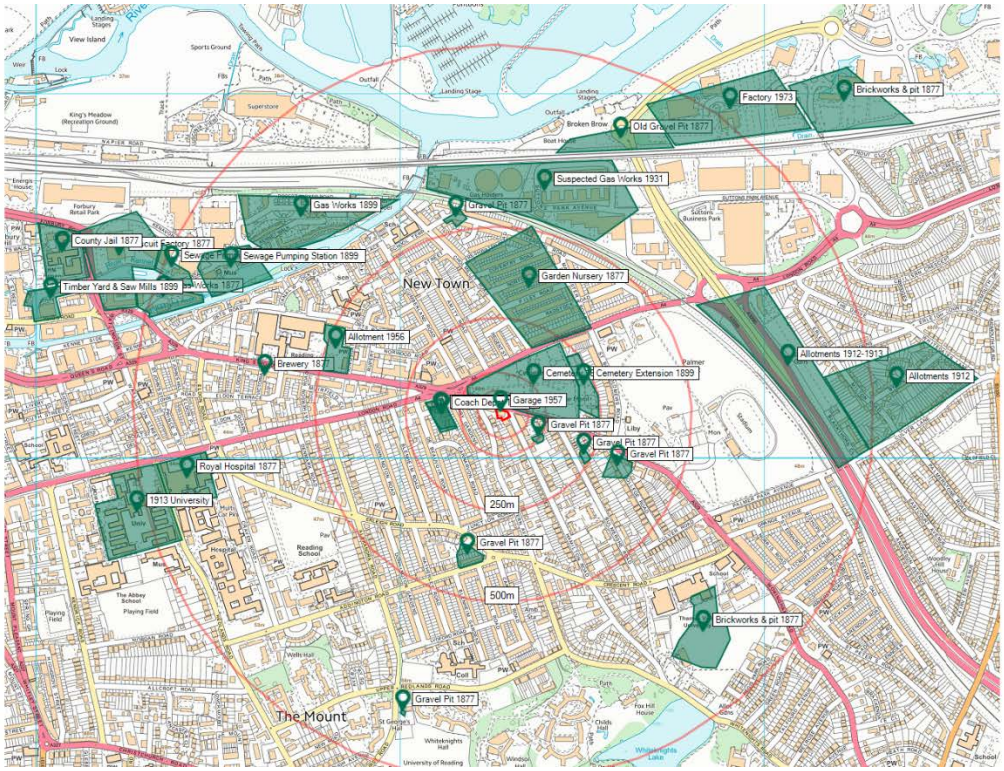
1993 **1999**

4.6 The first of the 1 in 2500 scale maps is dated 1877 and shows the site to be unoccupied, perhaps part of a garden. A small gravel pit is noted some 100m to the southeast. A garden nursery is located some 120m to the west. By 1899 the site has been developed, presumably as a residential dwelling.

4.7 The aforementioned gravel pits have also been redeveloped as residential properties (presumably these have also been infilled). By 1934 an additional building of unknown usage is developed against the western site boundary. Wokingham road is also noted as having a tramway.

4.8 No further changes are noted until post WWII; when in 1957 the site is listed as a garage. The shape of the buildings present suggests part of the garage operations include fuel filling, on a canopy covered forecourt. No further significant changes to the site are subsequently noted through to present day, although the walkover survey (discussed below) has revealed that that the site is currently used as a hand carwash and tyre fitters.

Summary



Envirocheck
LANDMARK INFORMATION GROUP
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A section of the 2017 O-S map with the locations of features seen on preceding historic O-S maps.

4.9 The historic maps have highlighted the presence of a former fuel filling station on site, as well as the presence of two small gravel pits within 250m of the site. These features should be considered further.

5 ENVIRONMENTAL SENSITIVITY

5.1 Readers of this report should note that Terramech have used third party database information when compiling this report. All databases have their limitations, including not being regularly updated and not including all available data. No guarantee can therefore be given for the accuracy or completeness of the information.

Contaminated Land Register

5.2 There are no Contaminated Land Register Entries or Contaminated Land Register Notices within 2km of the site.

Controlled Waters

5.3 The Environmental Database search for this site was reviewed with respect to controlled waters. This comprises two sets of considerations, firstly aquifers with water abstractions and other sensitive bodies of groundwater and their protection. Secondly, entries for water discharges from various sources, including sewage discharges as well as industrial discharges have also been reviewed together with recorded pollution incidents with respect to potential risks to the site area.

Water Abstractions

5.4 The site is indicated by the database information to overlie a principal aquifer, with several sensitive abstractions noted within 2km. Abstractions beyond the River Thames some 750m north of the site are not considered to be at risk from contaminants present beneath the site, as the river would act as a 'fire break' for any contaminants migrating northwards from the site.

5.5 On this basis, the most pertinent abstractions is a potable water abstraction some 1.4km to the south of the site where the University of Reading (UoR), draw groundwater from the chalk. The site falls within source protection zone for this abstraction (Zone II, Outer Protection Zone; either 25% of source area or a 400 day travel time, whichever is greater).

5.6 The other sensitive abstraction noted proximal to the site and south of the River Thames is a potable abstraction at the Royal Berkshire Hospital 900m west of the site.

5.7 Based on the above, these records show that the underlying groundwater could be at risk from any contaminants present on the site.

Discharge Consents

5.8 Ten discharge consents were noted within 1km of the site, for a variety of discharges including discharge of treated sewage effluent, discharge of cooling water, and a

domestic soakaway. Given that the nearest of these consents is some 600m from the site and given that these discharges did not lie within the contaminant catchment for the site, we have not considered them further.

Pollution Incidents

5.9 Seven minor pollution incidents were recorded by the Environment Agency within 500m of the site. The closest was 177m from the site and involved 'miscellaneous' pollutants. None of these incidents were thought to have affected the surface soils on the development site.

5.10 A further 53 minor pollution incidents were noted between 500m and 2km of the site, although given the distance that these incidents occurred from site, we have not considered them further.

5.11 The only Significant pollution incident occurred in 1997 and involved unknown pollutants which affected an unlisted water source. Given that this incident occurred some 680m north of the site it is believed that this incident would not have impacted upon the site.

Statutory Authorisations / Local Authority Pollution Control

5.12 These authorisations are recorded by the database and include entries for integrated pollution controls, radioactive substances, planning hazardous substances, planning hazardous activities and air pollution control authorisations, among others.

5.13 Although the substances and activities authorised are potentially contaminative, the presence of an authorisation implies some control or mitigation of the risks at source, rather than the presence of an uncontrolled industrial process.

5.14 Both the University of Reading and the Royal Berkshire Hospital are authorised to use and store radioactive materials at some of their sites, although none of these are located within 500m of the site, are not thought to have impacted upon the site.

5.15 Seven records were noted, of which five were for dry cleaners. The nearest of these is located 120m northwest of the site. Since the dry cleaners appeared to be a small high street type cleaners rather than a large industrial laundry, the potential for inappropriate disposal of the sludge from the evaporator of a large dry cleaning machine was thought minimal and this cleaners was discounted as a risk to the site.

5.16 The two petrol stations listed were thought to be too distant for any hydrocarbons associated with gasoline or diesel to have migrated into the surface soils on the site, given the dilution and attenuation that would occur on this implausible journey.

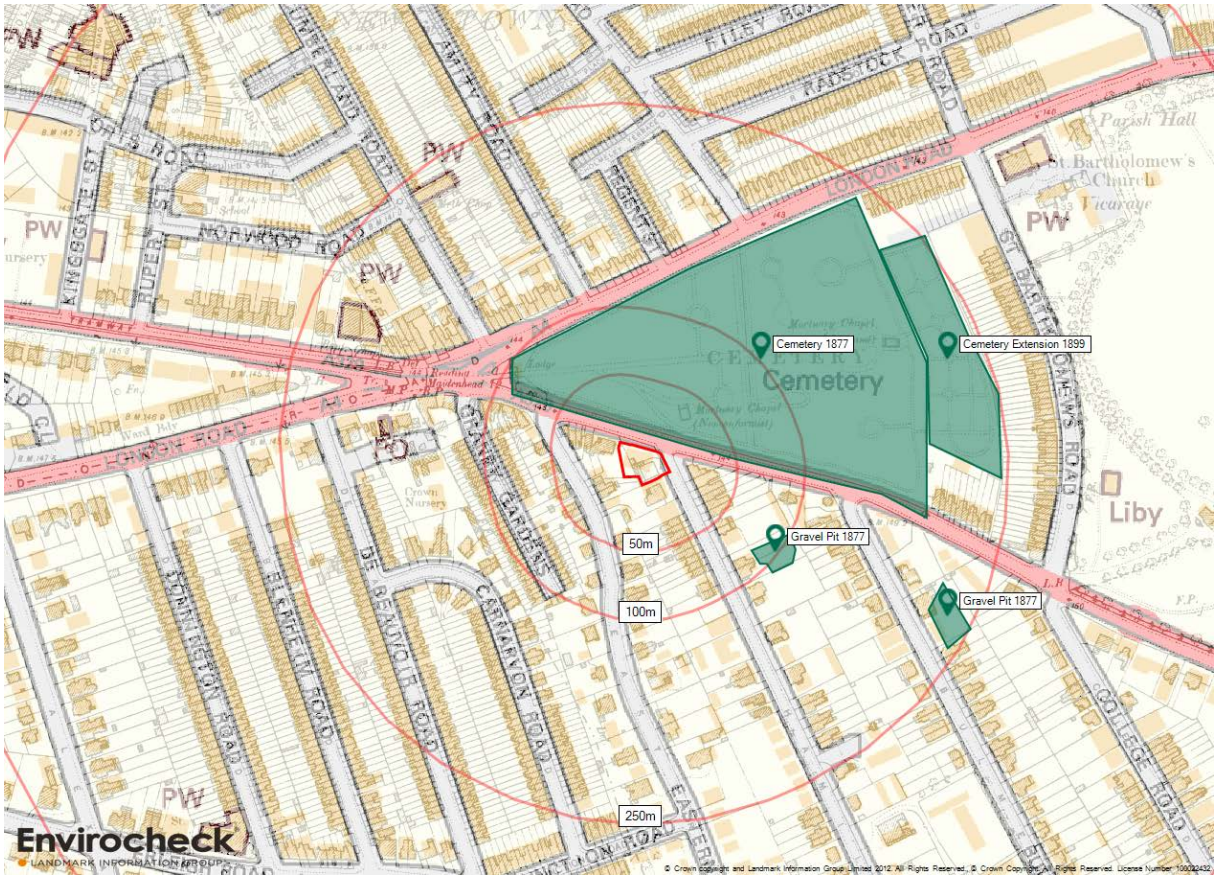
5.17 Notwithstanding the aforementioned listings, it is acknowledged that the site formerly constituted a fuel filling station and garage, although this is not acknowledged within the dataset. Any leaks/spillages relating to this on site usage will obviously have adversely impacted soils beneath the site.

5.18 The database search revealed seven records of COMAH sites (Control of Major Accident Hazards) or NIHHS sites (Notification of Installations Handling Hazardous Substances) within 2km of the site. These gas holders are thought to be too distant for contaminants to have migrated into the surface soils on the site, given the dilution and attenuation that would occur on this implausible journey. This source was also discounted as a risk to the site.

Waste Treatment and Landfill

Historic Excavations

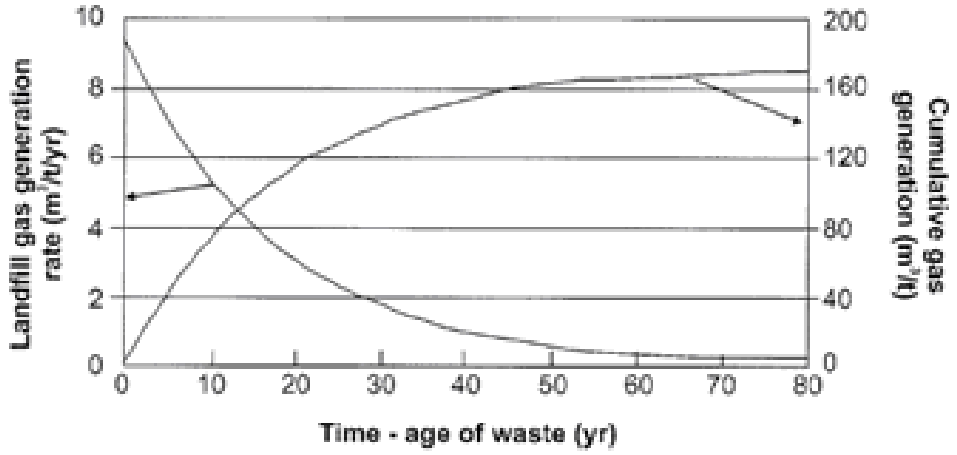
Waste disposal sites often begin their existence as old quarries and pits which are then filled, potentially with waste, refuse or even contaminated soils. Sometimes these were recorded as landfills but in some cases, there was no control or authorisation for the disposal of waste in a pit. Two former gravel pits are noted within 250m of the site which could represent infilled ground. A large cemetery is also noted immediately beyond the Wokingham Road, to the north of the site.



Above, the 1899 map overlain on a modern aerial view of the site showing the gravel pits and the cemetery.

5.19 The map overlay above shows that by 1899 both gravel pits had been infilled, with land incorporated into residential development. This would imply that no further infilling of

these has occurred in over 100 years.



Landfill gas generation against time (Nastev 1998)

5.20 Given the age of the fill we can see that the likely gas generation rates have fallen significantly. The extract from CIRIA C665 shows expected generation rates with respect to time. On this basis fill that is 80+ years old would be expected to be producing less than 5% of its original peak output. On this basis, and considering the small size of the gravel pits in question there is not considered to be a gas risk posed by these features.

5.21 Considering the cemetery, given that an extension to the burial area was required in 1899, it is reasonable to assume that the main cemetery area was approaching capacity at this time, and therefore few burials will have taken place in the late 20th and early 21st century's.

5.22 Information within the now withdrawn Environment Agency document 'Assessing the Groundwater Pollution Potential of Cemetery Developments' and Environment Agency guidance published the 'gov.uk' website suggests that few contaminants persist in the ground twelve years following any human burial. On this basis, and on the assumption that few (if any) burials are still on going at the cemetery, there is not considered to be

a risk of contaminants from the cemetery impacting upon ground beneath the current site of interest.

5.23 The map above shows a fairly large brick and tile works to the north west of the site. The map shows four kilns, a long drying shed where tiles and bricks were slowly dried before firing. A crushing mill is shown, this is where chalk may have been crushed for making lime to condition the clay or the mill may have been used to crush flint into sand, again to aid the texture of the clay. The plan also shows the brick field where clay was excavated from shallow level.

Waste Management Records

5.24 The database search did not reveal any BGS recorded landfill sites, local authority recorded landfill sites, registered waste treatment sites, registered waste transfer sites or licensed waste management facilities within 2km of the site.

5.25 Former gravel pits some 750m to 850m to the north of the site was shown to be an inactive Environment Agency registered 'Industrial Waste Landfills' site, no further details are given.

5.26 Considering the distance from the site, and on the basis that the intervening River would block migrating gases from migrating towards the site, the risk presented by these features to the current site of interest has been dismissed.

Industrial Activities

Historic Industry

5.27 The historic mapping showed that the site was formerly used as a garage and fuel filling station. It is understood that fuel filling operations ceased over 20 years ago.

5.28 Reading Borough Council have been contacted and state that they do not hold any records relating to the buried fuel tanks beneath the site and the size, condition and locations of these are therefore unknown.

Modern Industry

5.29 The list of trade directory entries given in the database search for potentially contaminative commercial activities was reviewed and revealed that there were an inactive listing for the site, when Mr Ilir Skura ran 'garage services' from the property; this presumably relates to vehicle repair services, instead of fuel filling operations.

5.30 Several business within 100m of the site, on the Wokingham road are also listed. A review of satellite imagery, and observations made during the walkover survey have identified these as a row of shops. Given the size of these businesses we do not consider that any could have affected the surface soils on the site.

Ground Subsidence/Instability

5.31 The Ground Instability section of the database search has been reviewed with respect to the published geology and showed that the site lay in an area where compressible ground stability hazards, were not expected.

5.32 The site was also shown to lie in an area where very low risks of collapsible ground stability hazards, landslide ground stability hazards, running sand ground stability hazards, could be expected together with moderate risks of shrinking swelling clay ground stability hazards.

5.33 A high risk of ground dissolution stability hazards, has been identified, and a bespoke geotechnical investigation and foundation design maybe required to mitigate against this risk.

5.34 The mining and ground stability report also indicate that a subsidence investigation was undertaken in March 2007, which classified soils beneath the site as low plasticity clay. It is not known at what depth this refers to. It is assumed that that investigation was undertaken following two subsidence insurance claims dated October 2005 & February 2006. Both insurance claims are classed as 'Damage Category 2 – up to 5mm'. Active cyclical movement of up to 5mm was noted in the earliest of these claims.

5.35 No further information relating to these claims or the ensuing investigation is provided. This includes the cause of the cause of the subsidence, and what (if any) repairs were undertaken.

Flood Risk

5.36 This site is not shown, by the database, to be an area subject to flood risks or being and area which benefits from flood defences. The area is not shown to be a flood water storage area.

Radon

5.37 Radon protection measures were derived from the BR211 (2007) Annex A maps without the requirement for a geological assessment and the Envirocheck report supplied for this site.

5.38 Both sources indicate that no radon protection is required for new buildings or extensions in this area.

Sensitive Land Use

5.39 The site was not shown to lie near to, or within, any Sites of Special Scientific Interest

6 WALKOVER SURVEY

6.1 Photographs taken during the site walkover are presented in the figures pages. These photographs represent a selection of those taken, the remaining photographs are kept on file at Terramech and can be viewed on request.

6.2 The site is located at the junction of Wokingham Road and Hamilton Road, with vehicular access available from both. The central portion of the site is covered by a canopy which was presumably erected when the site was an operational fuel station.

6.3 The majority of the site, including the area beneath the canopy is currently occupied by a hand car wash & valeting business. Chemicals associated with these activities appeared to be stored within a container against the southern boundary. All external concrete floors appeared clean and in generally good condition (although cracking was noted at the site entrances). It should be noted that whilst no hydrocarbon staining was noted at surface, this is likely because any evidence of historical leakages / impaction have been washed off by the car washing.

6.4 No direct evidence of the former fuel filling station operations, such as tank access covers, interceptor service covers, breather/vent pipes, or pump islands were noted during the walkover. It has not therefore been possible to ascertain the numbers of or locations of any former tanks and interceptors present beneath the site.

6.5 Small 'mounds' of concrete, possibly indicative of cover that has been filled over were noted along the northern boundary, and these have been annotated onto the attached site layout plan.

6.6 To the rear of the site (southwest corner) was an irregular shaped building currently used as a tyre fitters. It is assumed that vehicle repairs were historically undertaken on the premises as a c1.2m deep inspection pit was noted to the rear of the building; poor internal lighting limited the inspection of this feature. A boiler room was noted in the

southeast of the building, although no access was available to this area, so the fuel type and condition of this apparatus is unknown. The northern part of the building appeared generally unused, with a portion separated off as offices / staff rooms. The internal concrete floors all appeared 'clean' and in good condition with no hydrocarbon staining evident.

7 LOCAL AUTHORITY LIAISON

7.1 An enquiry was initially made with Wokingham Borough Council Trading Standards in order to obtain any records which may be held relating to the former fuel site operations. This enquiry was passed onto Reading Borough Council, who currently hold such information in the site area.

7.2 Reading Borough Council advise that they do not hold any records relating to the former fuel filling station on site.

8 CONCEPTUAL SITE MODEL

8.1 This conceptual model uses the source-pathway-receptor methodology to assess the information gained from the database search and review of the historical maps together with assessments of the published geology, hydrogeology and topography.

8.2 The purpose of this model is to define the plausible linkages between contamination in the soils below a site and sensitive receptors such as residents and then enable a preliminary, qualitative risk assessment to be carried out.

8.3 The risk assessment is to establish if there are potentially unacceptable risks, if further information is required to complete the assessment and whether or not further action is needed in terms of a more detailed risk assessment. If a clear risk is established it may

be appropriate to move straight to the consideration of remedial works (CLR11 Section 2.1 - Overview).

Potential Contamination Sources

8.4 The first part of the source pathway receptor linkage is identification of a potential source of contamination. This would include on site potential sources such as soils imported from old industrial sites or residues of processes which were carried out on the site.

8.5 Off site contamination sources can also be a risk to receptors on a site if the contaminants are able to move onto the site area.

8.6 The potential sources are drawn from the desk study investigations however, sources such as made ground (imported soil) could be present without any sensible documentary evidence and are therefore included in the conceptual model regardless of the desk study findings.

Migration Pathways

8.7 Ground contaminants can be absorbed in the soils and be effectively stationary or can move with groundwater. In the case of liquid or gaseous contaminants, they move by themselves.

8.8 Migration pathways fall into two categories, the first are natural porous soils which will allow the percolation of water, gases or other liquids either vertically or horizontally. The second category of migration pathways comprises man made pathways such as granular backfill to service trenches, soakaways or areas of made ground.

8.9 In areas underlain impermeable strata or covered by hardstanding, surface water flow can also carry contaminants whether by un-channelled flow during floods or flow via watercourses and drainage ditches etc.

8.10 Airborne pathways for the migration of dust and fibres are present if site conditions become dry and dusty or during the demolition of any structures containing asbestos or during the trafficking of contaminated areas.

8.11 Contaminants present at the ground surface can be trafficked from source location to elsewhere by plant equipment or even by foot traffic. We have found that this is a particular concern with contamination by asbestos fibres.

Absorption Pathways

8.12 The entry routes for contaminants into a human being are numerous and are summarised in the table below. These exposure pathways are considered as part of the overall Source Pathway and Receptor model and are not to be confused with migration pathways. Migration pathways are included to encompass all potential plausible links between source and receptor.

Ingestion of Soil Ingestion of household dust Ingestion of contaminated vegetables Ingestion of contaminated soil attached to vegetables Dermal contact with soil	Dermal Contact with household dust Inhalation of fugitive soil dust Inhalation of fugitive household dust Inhalation of vapours outside Inhalation of vapours inside

Receptors

8.13 In order to assess the vulnerability of a receptor, investigations consider the exposure scenario to which receptors are subjected. Where re-development is proposed this scenario is defined by the proposed end use of a site, as a residential area or allotment for example.

8.14 Construction workers could be considered potential receptors due to their presence on site. Exposure routes to ground contamination would arise from earth handling activities and working over areas of impacted ground. The exposure durations for such workers will be very limited when compared to an occupier.

8.15 Service maintenance workers were considered a potential receptor due to their periodic presence on site during construction and following completion. Exposure routes to ground contamination would arise from earth handling activities during works to install or maintain these services. Again the exposure durations for such workers will be very limited when compared to an occupier.

8.16 Future home owners are probably the most sensitive of the receptors considered due to the time periods over which they could be exposed to any contaminants present. Young children will play and create mud baths in their gardens exposing themselves to the underlying soils in terms of dermal exposure and they can also ingest significant quantities of this soil during such play. Children and adult occupants may be exposed to the underlying soils during gardening activities and also consume fruit and vegetables which have taken up contaminants.

8.17 The wider public could be considered receptors of long range airborne contaminants such as volatiles liberated during excavations, dust from contaminated materials exposed by excavation or airborne fibres liberated during demolition or removal of asbestos building materials.

8.18 Groundwater is abstracted and consumed in bulk without any treatment in large areas of the country. Groundwater also feeds many springs lakes and rivers whose ecosystems depend on uncontaminated water. Groundwater has therefore been selected as a sensitive receptor in its own right although it could be considered under this assessment to be a migration pathway.

Identified Potential Linkages

1) Made Ground

8.19 Made ground could be present under any section of the site. Material can be imported for a variety of reasons, usually to modify ground levels particularly close to water courses.

8.20 At this site we are expecting hardcore (or similar) to present beneath the site. Historic fuel tanks **may** have been historically removed, with any resulting voids requiring infilling. Deep areas of disturbed and potentially hydrocarbon impacted ground are also expected surrounding the inspection pit and any buried fuel tanks.

8.21 Thin layers of made ground are also inevitable around developments and can just represent old building materials such as bricks worked down into the topsoil. Thicker layers of made ground can however, represent a mass import of soil.

8.22 The sources of the materials and therefore the potential contaminants present were seldom considered in the past. During these eras some constituents of infill material such as scrap metals, ash and Asbestos were regarded as inert and used in rather inappropriate places. Made ground could therefore contain a wide range of commonly occurring industrial contaminants.

8.23 The list of potential contaminants therefore includes a basic list of toxic metals and hydrocarbons in recognition of the fact that the soils could be arisings from historic foundation excavations, piling etc. on old industrial sites.

8.24 The potential contaminants discussed in a number of the DoE Industry Profiles could therefore apply and the selected testing suites would depend on the soil types encountered and any inclusions which allow the soil type to be identified. Potentially some insitu analysis such as volatiles detectors, pH or electrical conductivity tests could also influence the types of analysis carried out.

8.25 If contaminated fill materials are present, then the site occupants as well as the construction workforce could be at risk. Depending on the type of fill present, if at all, wider risks from dust liberation during construction or release of contaminants into groundwater by excavation disturbance could also occur.

2) Fuel Filling Station

8.26 The DoE Industry profiles for Road vehicle fuelling, service and repair (Garages ands Filling Stations) considers work shops and car washes and other service and maintenance activities which are considered in another part of this list of potential sources.

8.27 The potential contaminants would include petrol range (C5 to C12) and diesel range (C10 to C40) aliphatic (open chain hydrocarbons) and aromatic (ring molecule hydrocarbons) together with Monocyclic Aromatic Hydrocarbons such as Benzene, Toluene, Ethyl Benzene and Toluene are also present in petrol and in diesel.

8.28 Methy Tertiary-Butyl Ether (MTBE) an oxygenate and Tetraethyl and Tetramethyl Lead were also used in the past as additives to petrol to modify the combustion characteristics.

8.29 Contamination by these Hydrocarbons or additives could be present below and around any of the old fuel tanks or drainage interceptors and below the forecourt and pump islands from spillages during fuelling.

3) Vehicle Repair Garage

8.30 The workshop area is a potential source for a variety of hydrocarbons including those associated with fuels together with heavier lubrication range hydrocarbons and a range of solvents.

8.31 The DoE Industry profiles for Road vehicle fuelling, service and repair (Garages/Filling Stations and Transport/Haulage Centres) discusses a wide variety of contaminants including those associated with fuels and lubricants together with paint solvents, thinners and cleaning agents.

8.32 Old engine oil forms the largest volume source of contamination, most servicing and repair would be expected to yield at least 4.5litres (a gallon) of old oil per vehicle. Most workshops collect this oil for recycling or for use in waste oil burners. Collection can involve bespoke tanks provided by an oil recycling firm or old fuel tanks can be used, particularly if the workshop occupies an old fuel station. Spillage during the transfer of oil from collection pans to the tank can heavily contaminate the area were the tank is located, as can any leakage resulting from past deterioration of the tank structure (particularly with underground tanks).

8.33 Cleaning activities may have involved the use of degreasing agents which allow insoluble hydrocarbons to be washed away with water. The result is an area, often where a jet wash or steam cleaner are located, to be impacted with a mixture of heavy lubricants and light solvents.

8.34 Some solvents are not assessed on the basis of discussions in CLR8 (Appendix B Review of Contaminants Not Selected). Analysis suites cover a wide range of solvents (VOC analysis) and analysis for any one solvent will also include analysis for most of the others

8.35 Glycols associated with antifreeze are not considered further on the basis of CLR8 (Appendix B) which discusses the nature of these compounds most notably the high water solubility and their low toxicity potential.

8.36 Other contaminants include metals arising from milling, grinding, finishing, and polishing of components. Metals can also enter the soils where components of whole vehicles are allowed to corrode outside. As steel corrodes additives such as Boron, or coatings such as Cadmium Zinc Nickel and Chromium, are released.

8.37 The friction lining for brake shoes are commonly made from asbestos. Wheels and the undercarriage of vehicles often accumulate brake dust which is then liberated during the removal of wheels etc.

8.38 Spillages of liquids in workshop areas such as oil or fuel are often likely to be cleaned up using sawdust or soil which is then simply swept out of the nearest doorway.

8.39 The electrode plates in Lead-acid batteries comprise Lead, alloyed with Antimony, Calcium Tin and Selenium. The plates are manufactured to give an ideal surface for Lead Sulphate to be absorbed by the plates during use, or given off by the plates during charging. This charging and discharging cycle slowly damages the electrodes which shed a Lead rich sludge into the base of the battery. When the plastic battery body is damaged the Lead Sulphate rich, highly acidic electrolyte is released as well as the Lead rich sludge.

Car Sales Forecourt & Car Washing

8.40 **Vehicle storage** over various areas of the site may have impacted the underlying soils with leaked hydrocarbons associated with fuels and lubricants together with antifreezes.

8.41 The wash-down area may be subject to hydrocarbon contamination particularly solvents associated with degreasants, together with the hydrocarbons the degreasants have dissolved.

Tabulated Conceptual model

8.42 This Conceptual Model is summarised below in a tabular format. The most plausible linkages are then risk assessed.

8.43 The Risk Assessment comprises our interpretation of the model procedures set out in DEFRA/EA CLR 11 (Model Procedures for the Management of Land Contamination) report and considers if a potential risk is $_{(1)}$ acceptable, $_{(2)}$ acceptable following further assessment, $_{(3)}$ acceptable following remediation or $_{(4)}$ unacceptable.

	Potential Source ON SITE	Potential Location	Associated Contaminants	Potential Migration Pathway	Potential Absorption Pathway	Potential Receptor	Preliminary Risk Assessment	Note
Linkage 1	**Made ground**	Whole site	*Suites must reflect the nature and therefore the source of the waste materials noted. In the absence of such evidence then the basic suite below is recommended.* Antimony, Arsenic, Water Soluble, Boron, Cadmium, Chromium, Iron, Lead, Magnesium, Mercury, Molybdenum, Nickel, Selenium, Vanadium & Zinc Cyanide (free and total) Thiocyanate, Total Sulphate, Sulphide, Total Sulphur, Monohydric Hydrocarbons *including* Phenols, Mono-cyclic Aromatics and Poly -cyclic Aromatic Hydrocarbons Asbestos Ground gases inc CH_4, CO_2 and H_2S	Already present at surface on site. Migrating off site by surface routes or porous soils to affect off site receptors or groundwater.	Dermal contact with soil Ingestion of Soil Inhalation of fugitive soil dust (outside) Dermal contact with household/indoor dust Ingestion of household/indoor dust. Inhalation of fugitive household/indoor dust Ingestion of contaminated vegetables Ingestion of contaminated soil attached to vegetables	Construction Workers. Service and Maintenance Workers. Site Occupiers Wider public Groundwater	Acceptable following further investigation	Any soil analysis carried out at this site should include the contaminants identified in this linkage.
Linkage 2	**Fuel Filling Station**	Whole site	**Gasolene** Aliphatic Hydrocarbons C_5 to C_{12} (Pentane C_5, Hexane C_6 OctaneC_8 And DecaneC_{10}) Traces of Mono-cyclic and traces of Poly cyclic Aromatics from C_8 to C_{10}) Fuel additives such as Lead (Tetramethyl and Tetraethyl Lead) and MTBE **Diesel** 50% Aliphatic Hydrocarbons C_{10} to C_{40} (Decane C_{10}, Eicosane C_{20} and up). 50% Poly cyclic Aromatics from C_{10} to C_{35}). Traces of Mono-cyclic (Benzene etc C_6)				Acceptable following further investigation	Any soil analysis carried out at this site should include the contaminants identified in this linkage. We would further recommend that a geophysical survey be undertaken prior to commencement of any intrusive works, in order to determine the locations of any former fuel tanks and interceptors.

	Potential Source ON SITE	Potential Location	Associated Contaminants	Potential Migration Pathway	Potential Absorption Pathway	Potential Receptor	Preliminary Risk Assessment	Note
Linkage 3	**Vehicle Repair Garage**	Whole Site, particularly beneath existing building and proximal to inspection pit	**Gasolene** Aliphatic Hydrocarbons C_5 to C_{12} (Pentane C_5, Hexane C_6 OctaneC_8 And DecaneC_{10}) Traces of Mono-cyclic and traces of Poly cyclic Aromatics from C_8 to C_{10}) Fuel additives such as Lead (Tetramethyl and Tetraethyl Lead) and MTBE **Diesel** 50% Aliphatic Hydrocarbons C_{10} to C_{40} (Decane C_{10}, Eicosane C_{20} and up). 50% Poly cyclic Aromatics from C_{10} to C_{35}). Traces of Mono-cyclic (Benzene etc C_6) **Inorganics** Metals associated with worked components. Includes alloys of steel containing chrome, vanadium molybdenum Boron and surface treatments such as chrome cadmium, cyanide nickel and zinc **Lubricants** Light Paraffin based oils as well as heavy engine oil comprising aliphatic hydrocarbons in the C20 to C40 range and aromatics in a similar range if the oil has been used **Solvents** Light aromatics and aliphatics up to C10 (white spirit or Stoddard's Solvent) halogenated hydrocarbons. **Other** Asbestos from brake linings		Inhalation of vapours or gases outside Inhalation of vapours/gases inside. Groundwater		Acceptable following further investigation	Any soil analysis carried out at this site should include the contaminants identified in this linkage.

	Potential Source ON SITE	Potential Location	Associated Contaminants	Potential Migration Pathway	Potential Absorption Pathway	Potential Receptor	Preliminary Risk Assessment	Note
Linkage 4	**Car Sales Forecourt & Car Washing**	Whole Site	Leaking fuel leaving legacy of Poly-cyclic Aromatics, lubricants comprising heavy aliphatic hydrocarbons and Poly cyclic Aromatics or antifreeze including members of the Glycol family.				Acceptable following further investigation	Any soil analysis carried out at this site should include the contaminants identified in this linkage.

	Potential Sources OFF SITE	Potential Location	Associated Contaminants	Potential Migration Pathway	Potential Absorption Pathway	Potential Receptor	Preliminary Risk Assessment	Note
	None Identified						Acceptable	None Identified

9 CONTAMINATION RISK ASSESSMENT (QUALITATIVE)

9.1 The conceptual model suggests plausible contaminant linkages between sources and receptors. The potential risks have been assessed in terms of being:

(1) Acceptable,
(2) Acceptable following further assessment,
(3) Acceptable following remediation,
(4) Unacceptable.
as follows:

9.2 The potential risks from made ground were considered acceptable so long as intrusive investigations inspect for the presence of imported soils. If great thicknesses of made ground are noted, greater than layers of topsoil with the occasional trafficked brick fragment, we would recommend that samples are recovered for analysis and any previous foundation design is reconsidered.

9.3 The risks posed by the former fuel filling station were considered acceptable following further investigation. We would further recommend that a Geophysical Survey be undertaken prior to commencement of any intrusive works, in order to determine the number of and locations of any former fuel tanks. This would reduce the risk that works would encounter a tank causing potential delays, and creating a pathway to the underlying aquifer.

9.4 The risks posed by the vehicle repair operations were considered acceptable following further.

9.5 The risks posed by car sales and washing were considered acceptable following further investigation.

9.6 Care should be taken in all intrusive works to ensure that a pathway is not created which may enable the rapid mobilisation of hydrocarbons into the underlying principal aquifer. This will likely require the adoption of clean drilling methods for deeper intrusive works.

9.7 The risks of subsidence through the actions of trees on shrinking and swelling clays were considered to be acceptable following further investigation. The plasticity and therefore the shrinkage potential needs to be determined to allow suitable foundation depths to be calculated with respect to the trees present. This is usually assessed with plasticity Index tests (Atterberg Limits) on samples from formation level and below.

9.8 The number, size and location of below ground fuel storage tanks present on the site will need to be quantified (where possible) prior to the undertaking of intrusive works. In due course these features will require formal decommissioning and removal, with voids to be infilled in due course. Dependant on the locations of these in relation to the proposed buildings, consideration of these may be required when designing foundations.

9.9 A high risk of dissolution features has been provisionally identified for the site by the BGS. Further investigation of this risk will be required, and may necessitate a bespoke foundation design (in combination with the fuel tank design discussed above). Depending on the depth and condition of chalk, it is likely that investigation of the risk presented by dissolution features will require a separate intrusive investigation.

Recommendations

9.10 A geophysical survey should be undertaken at the site to attempt to determine the numbers of, the locations of, the size and the depth of any underground fuel storage tanks and fuel interceptors.

9.11 Following this it is recommended that a preliminary intrusive investigation be designed, taking into account the results of the geophysics survey and the findings of this report to provide suitable site coverage and address the risk to future site occupiers, construction works and the underlying aquifer.

9.12 The geophysical survey may be able to show if any tanks present have been filled with grout or other fillers. If we find that untreated tanks are present which could be filled with air and fuel vapour, we will need to halt works due to the explosion hazard while a tank de-commissioning specialist assesses the situation.

9.13 Given the potential depth of the buried fuel tanks and the need to install wells for groundwater monitoring and possibly a period of gas monitoring, we would suggest that a small drilling rig is brought onto the site to drill small diameter boreholes in the forecourt and buried fuel tank areas.

9.14 Wells should be installed in all of the boreholes to allow gas and water sampling.

9.15 Sampling should be undertaken beneath the bases and beside each fuel tank, as well as beneath the base of the vehicle inspection pit noted and below the pump islands, to determine if soils beneath these features have been impacted by hydrocarbons. These works should be undertaken post demolition, immediately following the removal of each tank. Decommissioning of the fuel tanks should be supervised by a suitably qualified fuel tank decommissioning specialist. Once confirmed safe, we can supervise the tank's removal.

10 NOTES

10.1 The comments given in the report and the opinion expressed herein are based on the information sourced by the desk study and other published information. Third party

information was therefore used in the preparation of this report and Terramech Investigations Ltd. cannot guarantee the accuracy or completeness of this information.

10.2 There may be other sources of information not included in those listed that hold data relevant to the Desk Study undertaken at the site that could materially affect the conclusions made in this report. The interpretation of the maps and/or other data commented on in this report is subjective.

10.3 The conclusions in this report represent our professional opinion, these conclusions have been drawn up with the greatest care to ensure that all apparent issues were addressed properly in accordance with applicable UK guidance and accepted practice.

Written by



M. R. Green BSc (Hons) FGS
For and on Behalf of
Terramech Investigations Ltd

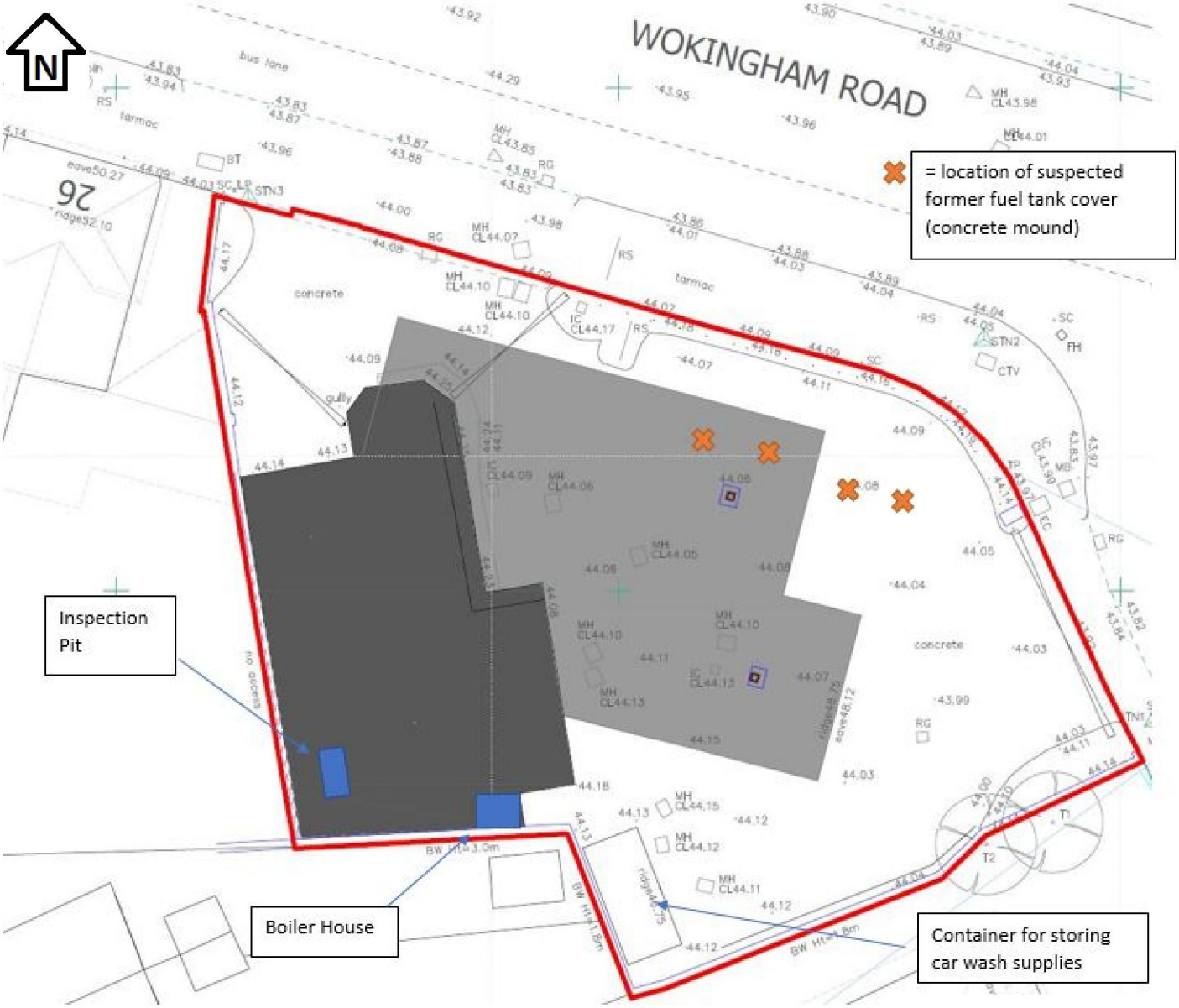
Checked



J.R. Puzyna BEng (Hons) MCIEH
For and on Behalf of
Terramech Investigations Ltd

MRG/JRP 2 February, 2018

PAGE: 1	JOB 4008	SITE LAYOUT
DATE:12.01.18	28 WOKINGHAM ROAD, READING	



Sketch plan only.
Not to scale.

Page 2	JOB NO 4008 – 28 WOKINGHAM ROAD, READING	SITE LOCATION
DATE: 02.02.18		





General view of inside tyre fitters



Inspection pit within tyre fitters



Chemical storage container for car wash



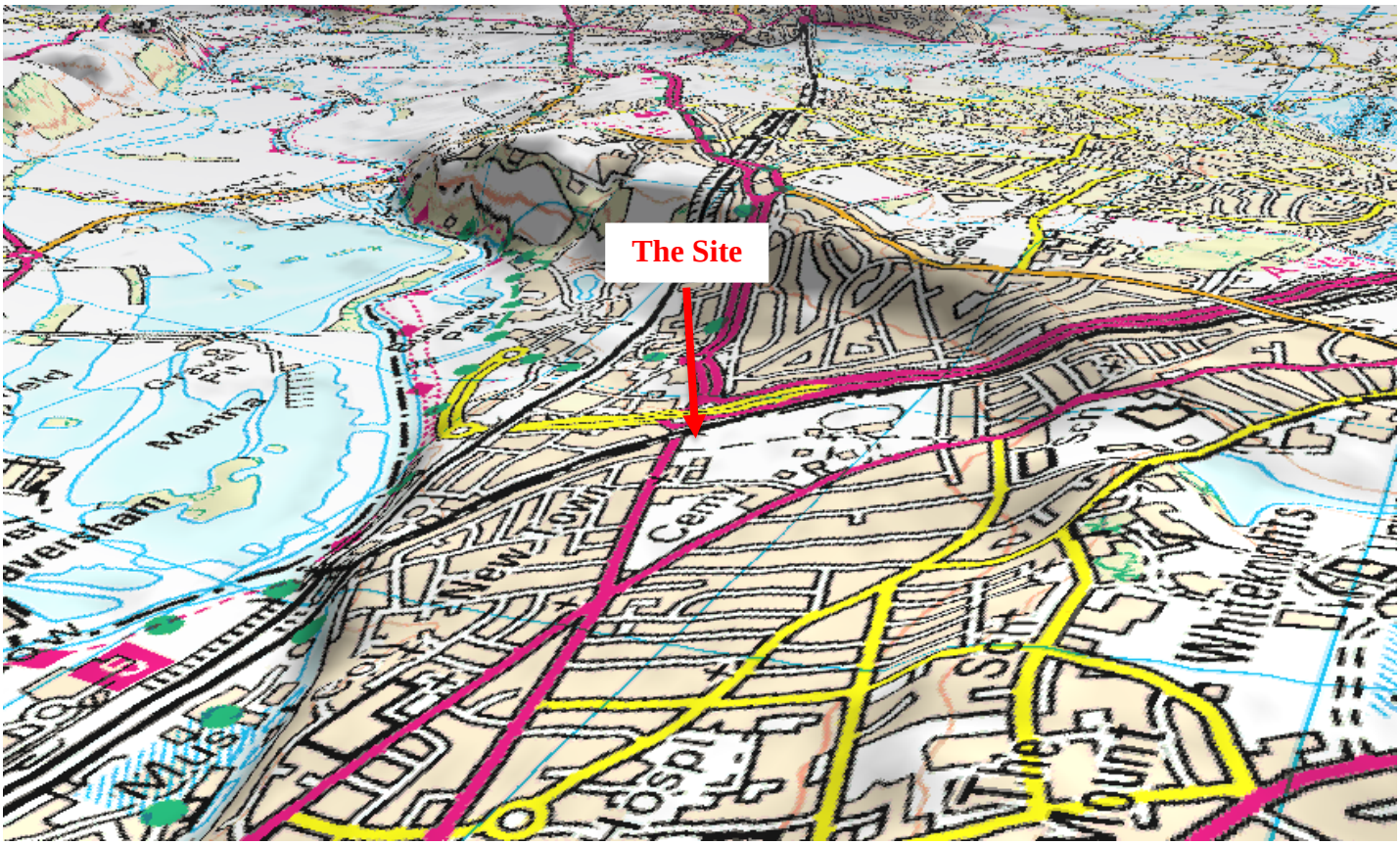
General view across forecourt



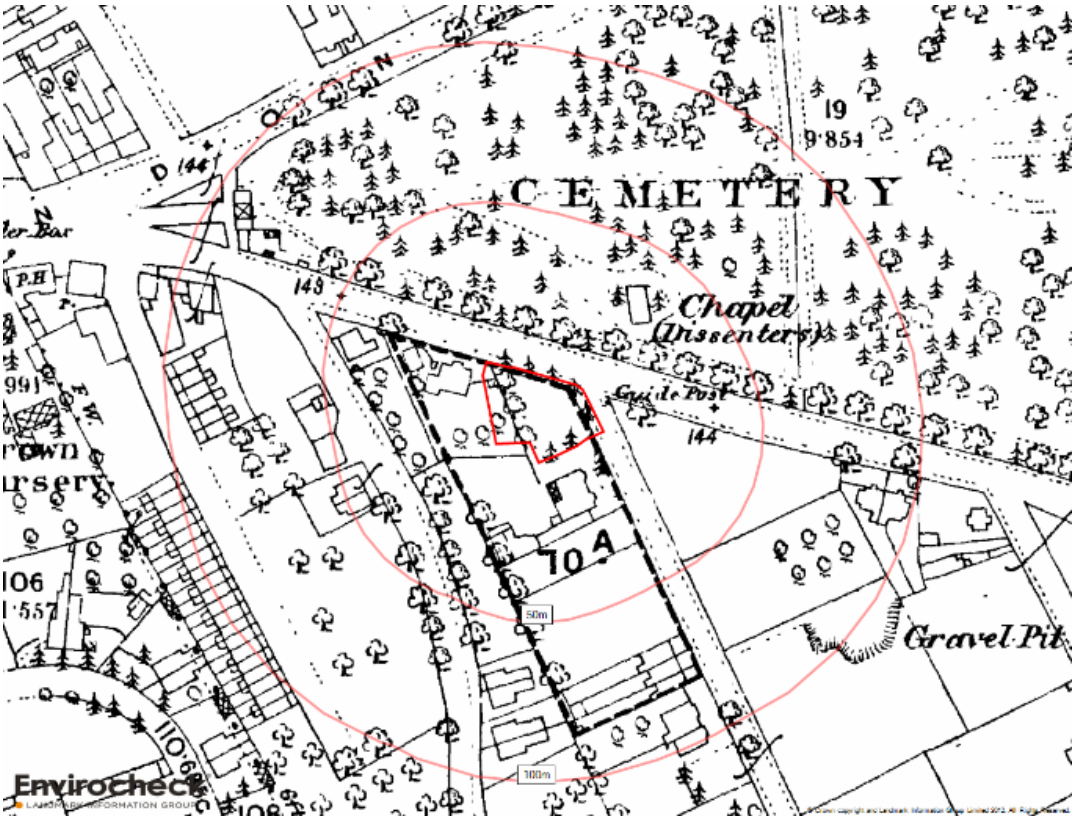
Concrete 'mound' denoting suspected location of former fuel tank cover



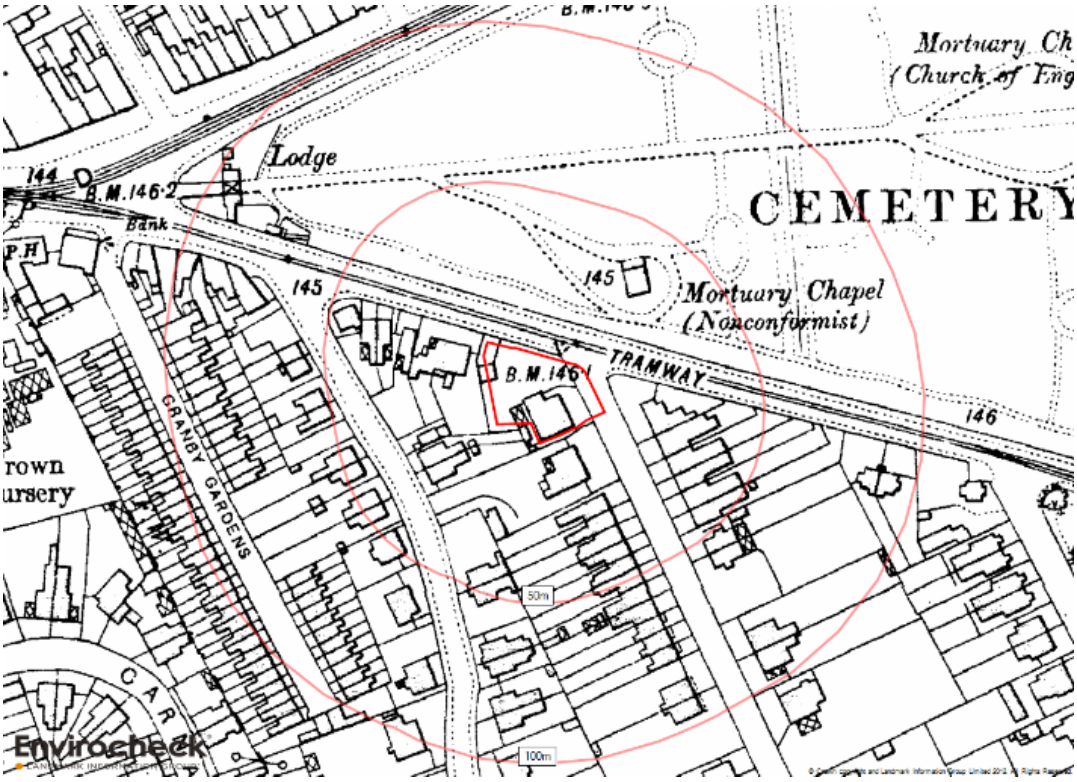
View of site from Wokingham Road



Above a copy of the 1 to 50,000 scale map rendered according the height data given on these maps. (Note the vertical scale is greatly exaggerated to allow the topography to be visualised)

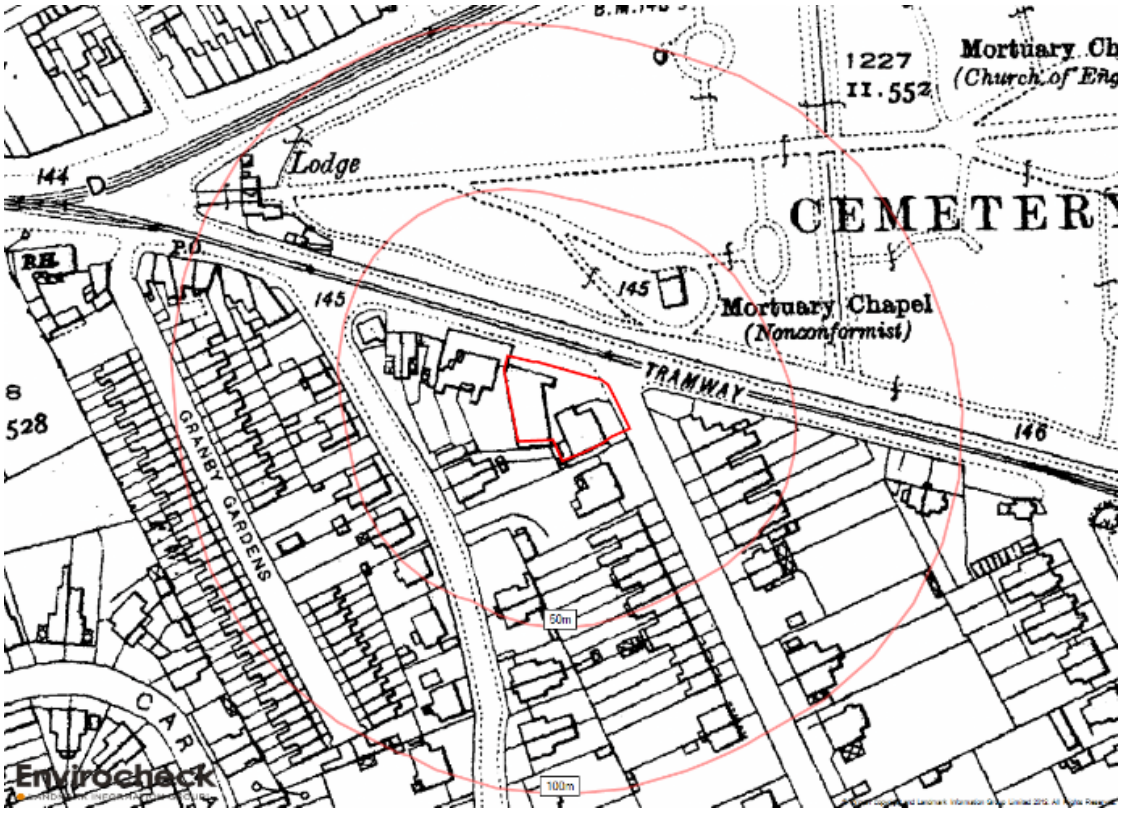


1877-1879

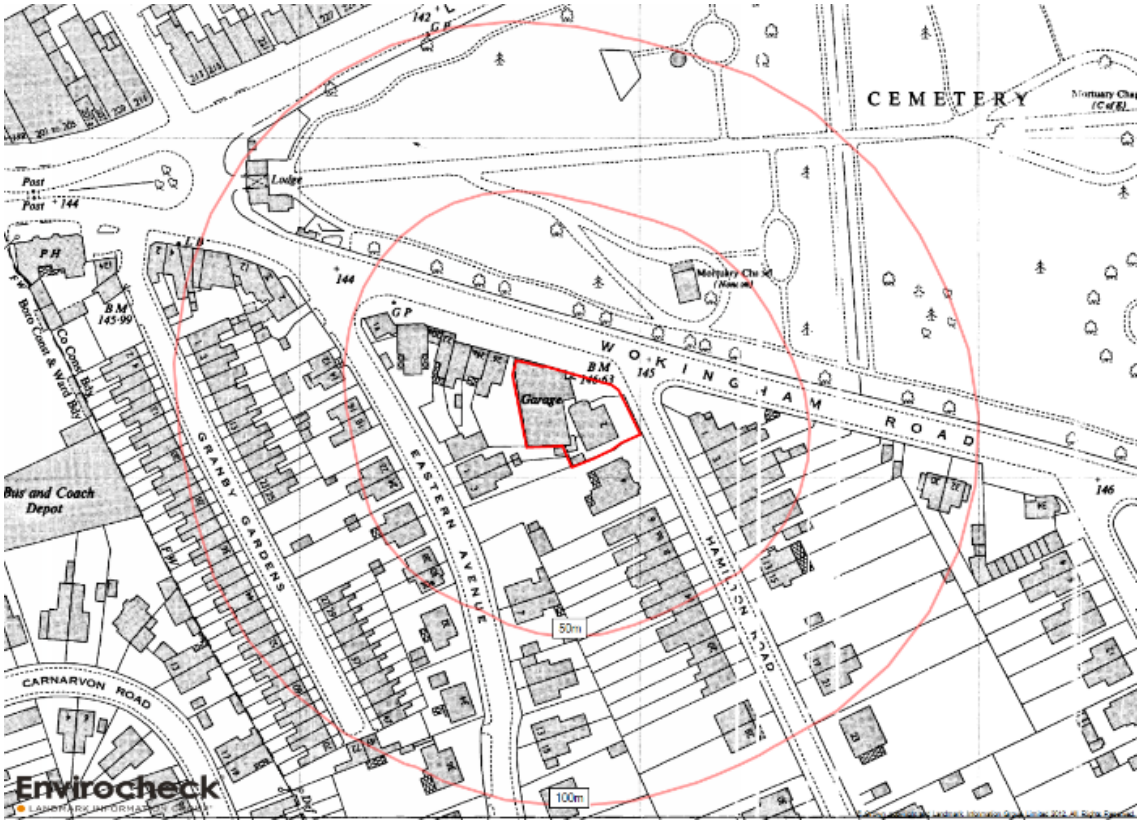


1912-1913

Page 9	JOB NO 4008 – 28 WOKINGHAM ROAD, READING	MAP ANALYSIS
DATE: 02.02.18		

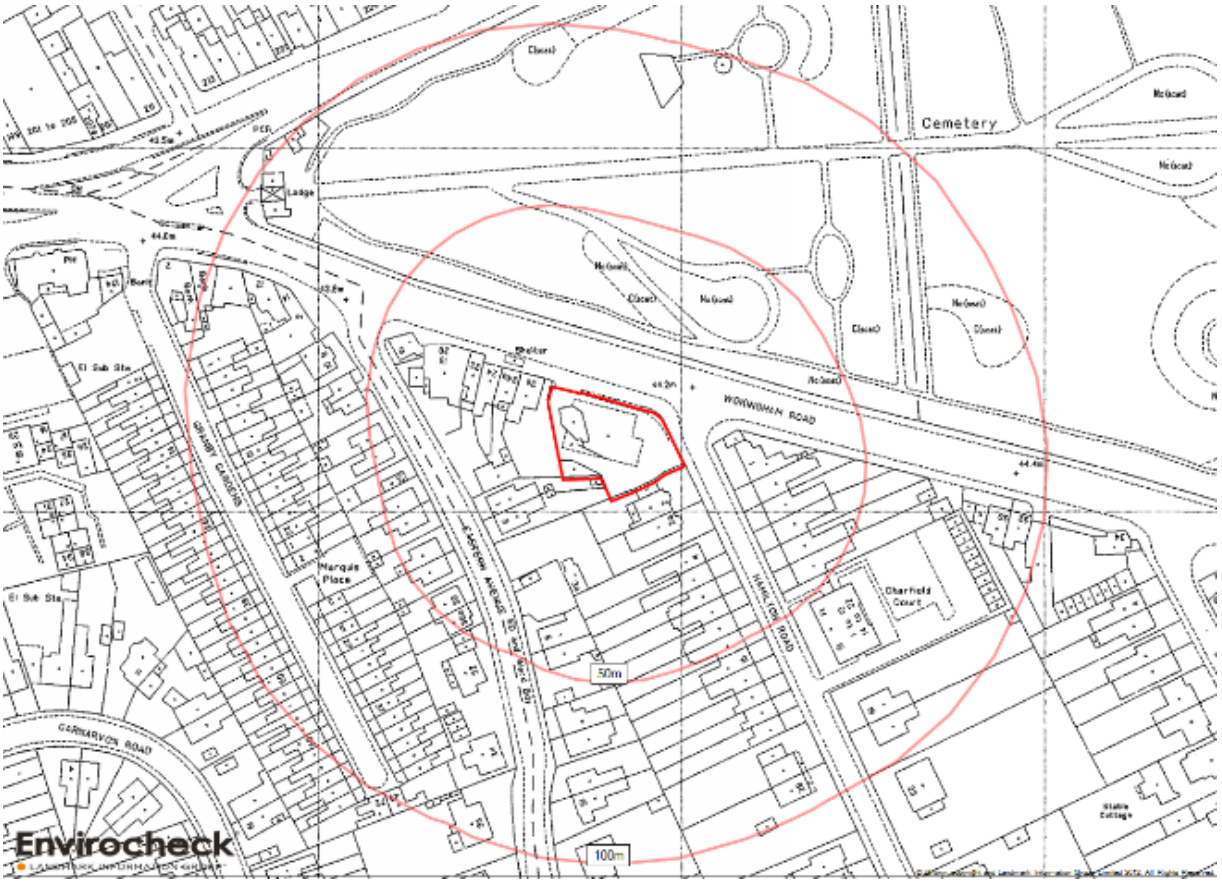


1931-1934



1957

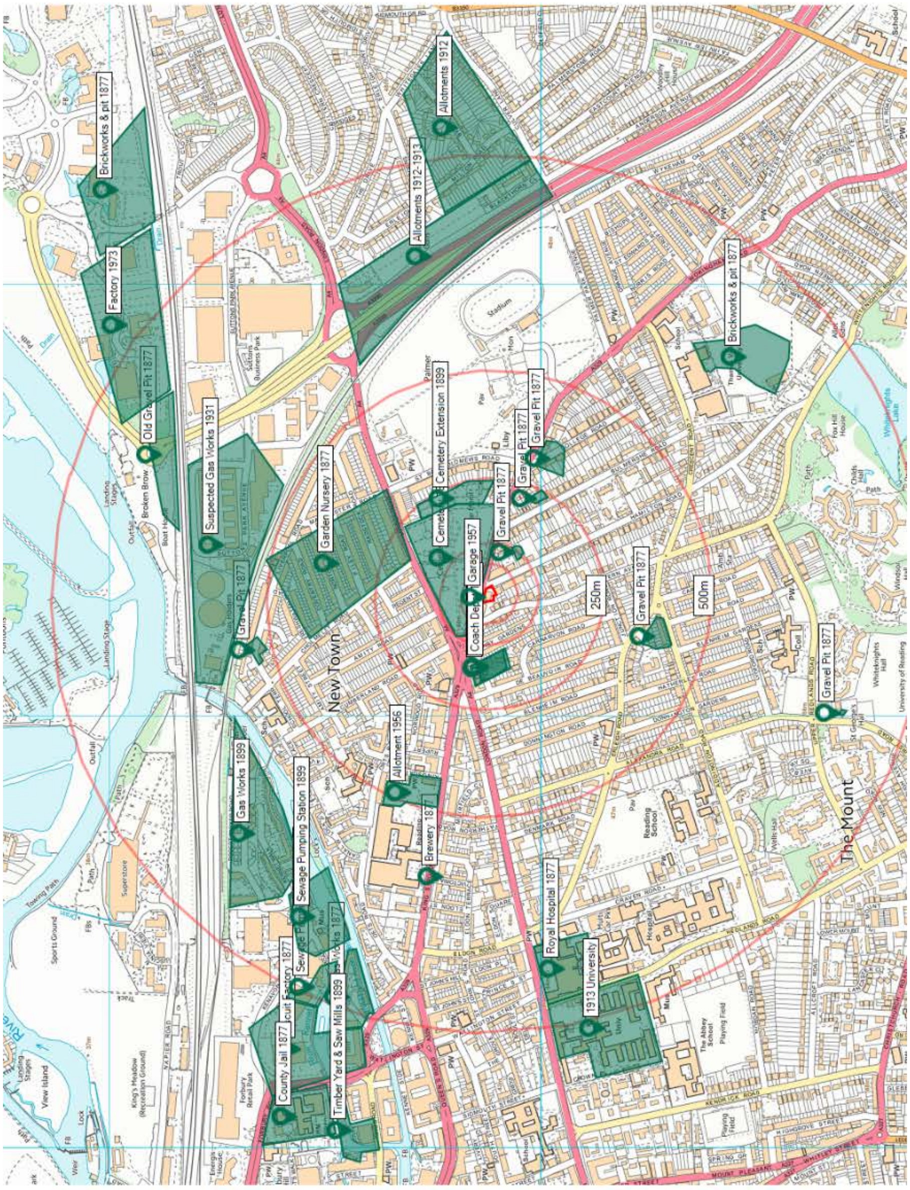
Page 10	JOB NO 4008 – 28 WOKINGHAM ROAD, READING	MAP ANALYSIS
DATE: 02.02.18		



1993



1999



A section of the 2017 Street map with the locations of features seen on preceding historic O-S maps.

PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

28 WOKINGHAM ROAD, READING, RG6 1JQ

FOR

PROPOSED HOUSING DEVELOPMENT

APPENDIX A

GEOLOGICAL REPORT

Geology 1:10,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	WMGR	Infilled Ground	Artificial Deposit	Holocene - Holocene
	WGR	Worked Ground (Undivided)	Void	Holocene - Holocene
	MGR	Made Ground (Undivided)	Artificial Deposit	Holocene - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Silt	Flandrian - Pleistocene
	KPGR	Kempton Park Gravel Formation	Sand and Gravel	Devensian - Ipswichian
	LASI	Langley Silt Member	Clay and Silt	Devensian - Ipswichian
	TPGR	Taplow Gravel Formation	Sand and Gravel	Wolstonian - Chokierian
	BHT	Boyn Hill Gravel Member	Sand and Gravel	Wolstonian - Wolstonian
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Ryazanian

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Paleocene - Paleocene
	LSNCK	Lewes Nodular Chalk Formation, Seaford Chalk Formation and Newhaven Chalk Formation (Undifferentiated)	Chalk	Campanian - Turonian

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Geology 1:10,000 Maps

This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:10,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around a site. This mapping may be more up to date than previously published paper maps.

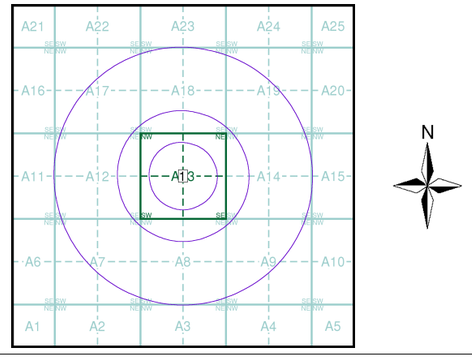
The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page.

Please Note: Not all of the layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:10,000 Maps Coverage

Map ID:	1
Map Name:	SU77SW
Map Date:	2011
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Not Available
Rock Segments:	Not Supplied

Geology 1:10,000 Maps - Slice A

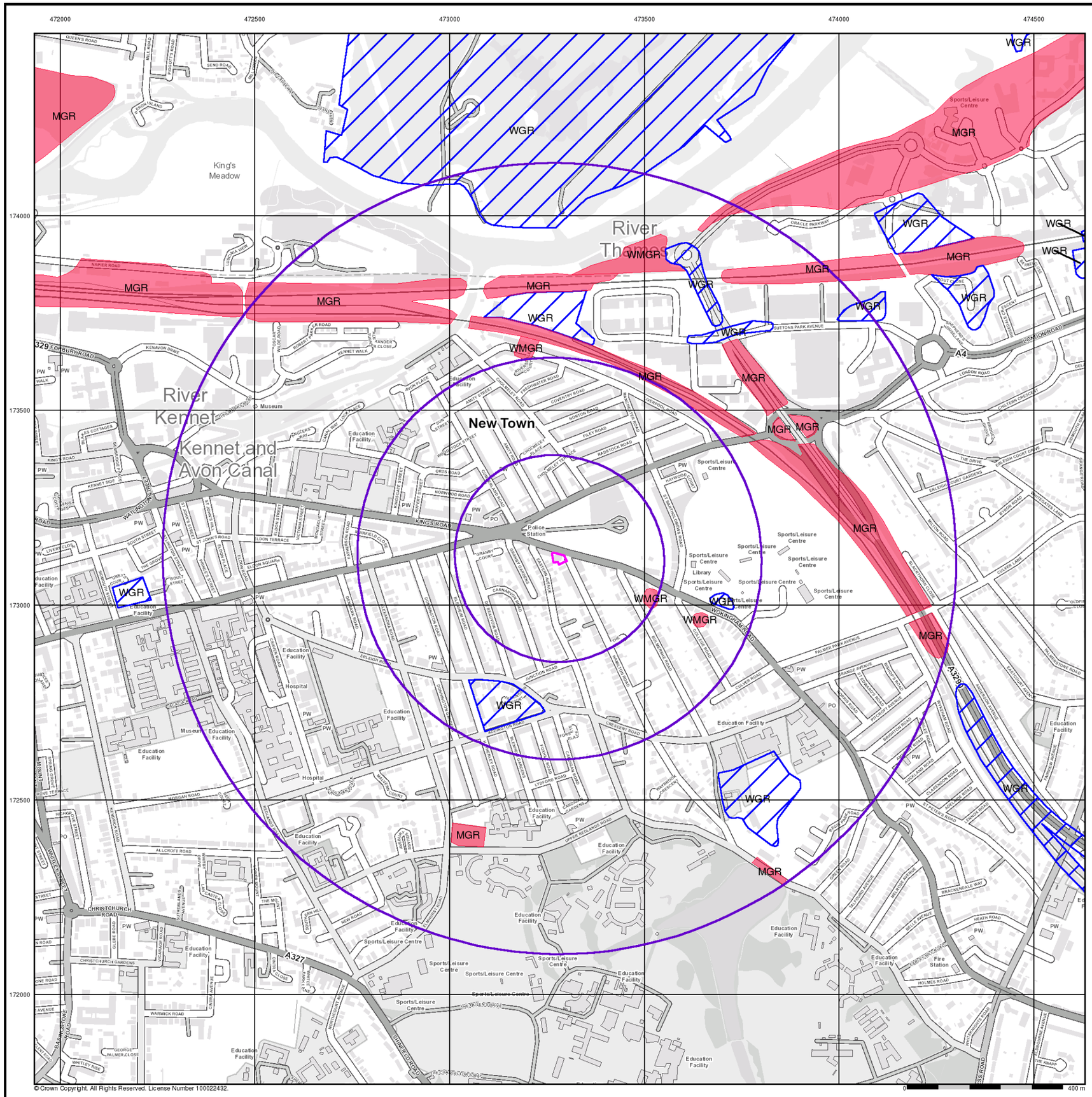


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Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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Artificial Ground and Landslip

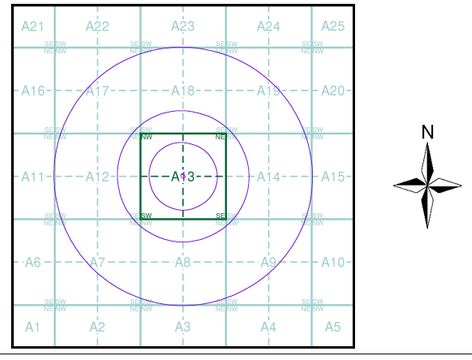
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions and unstable ground.

Artificial ground includes:

- Made ground - man-made deposits such as embankments and spoil heaps on the natural ground surface.
- Worked ground - areas where the ground has been cut away such as quarries and road cuttings.
- Infilled ground - areas where the ground has been cut away then wholly or partially backfilled.
- Landscaped ground - areas where the surface has been reshaped.
- Disturbed ground - areas of ill-defined shallow or near surface mineral workings where it is impracticable to map made and worked ground separately.

Mass movement (landslip) deposits on BGS geological maps are primarily superficial deposits that have moved down slope under gravity to form landslips. These affect bedrock, other superficial deposits and artificial ground. The dataset also includes foundered strata, where the ground has collapsed due to subsidence.

Artificial Ground and Landslip Map - Slice A



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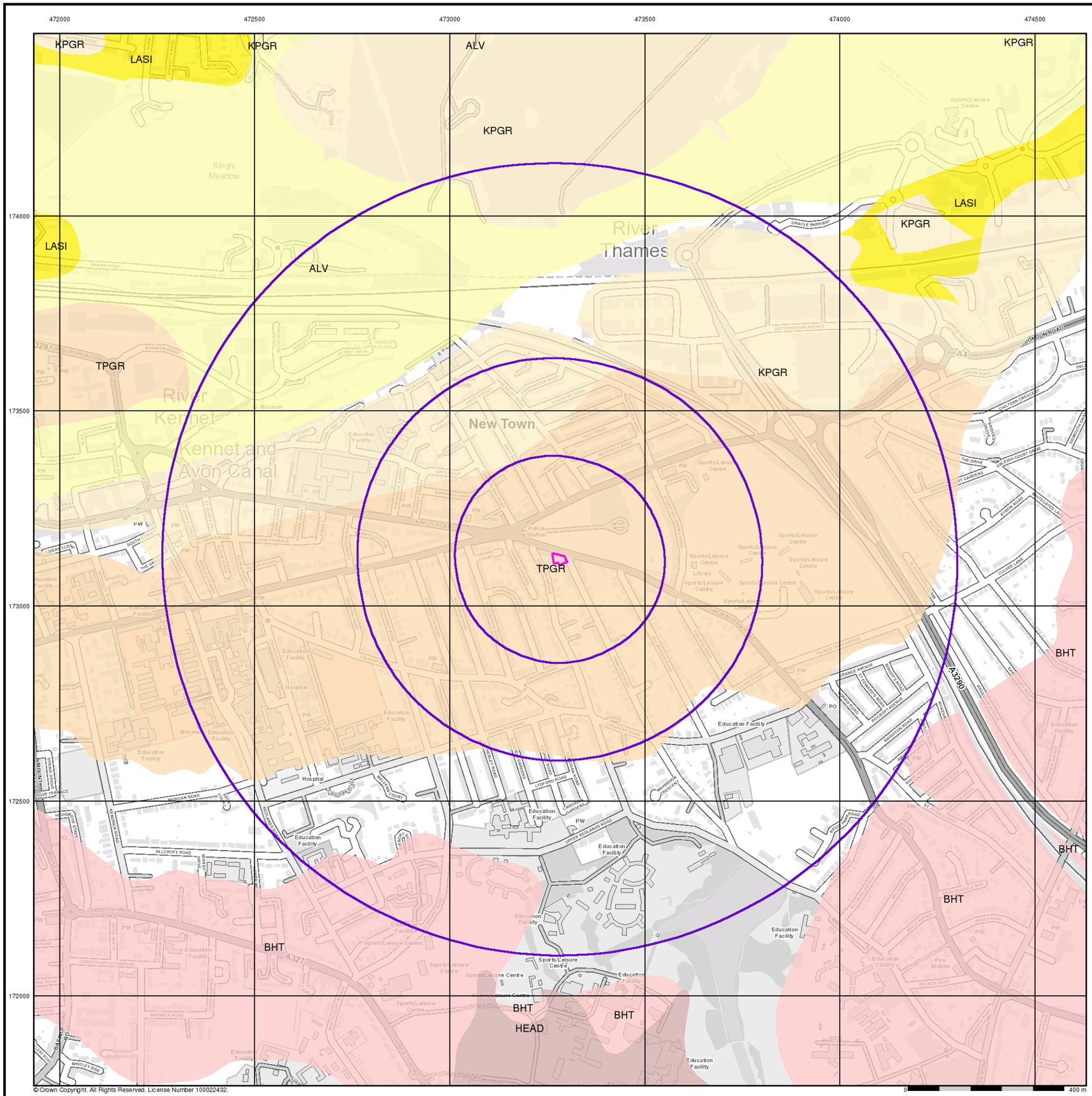
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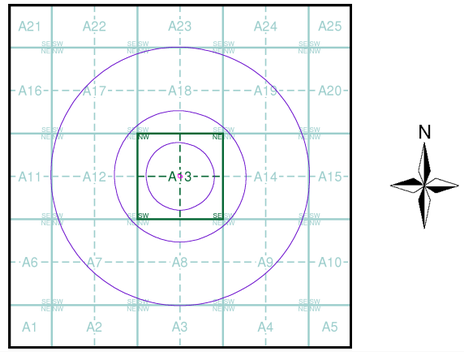
Superficial Geology

BGS 1:10,000 Superficial Deposits are the youngest geological deposits formed during the most recent period of geological time, which extends back about 1.8 million years from the present.

They rest on older deposits or rocks referred to as Bedrock. This dataset contains Superficial deposits that are of natural origin and 'in place'. Other superficial strata may be held in the Mass Movement dataset where they have been moved, or in the Artificial Ground dataset where they are of man-made origin.

Most of these Superficial deposits are unconsolidated sediments such as gravel, sand, silt and clay, and onshore they form relatively thin, often discontinuous patches or larger spreads.

Superficial Geology Map - Slice A



Order Details

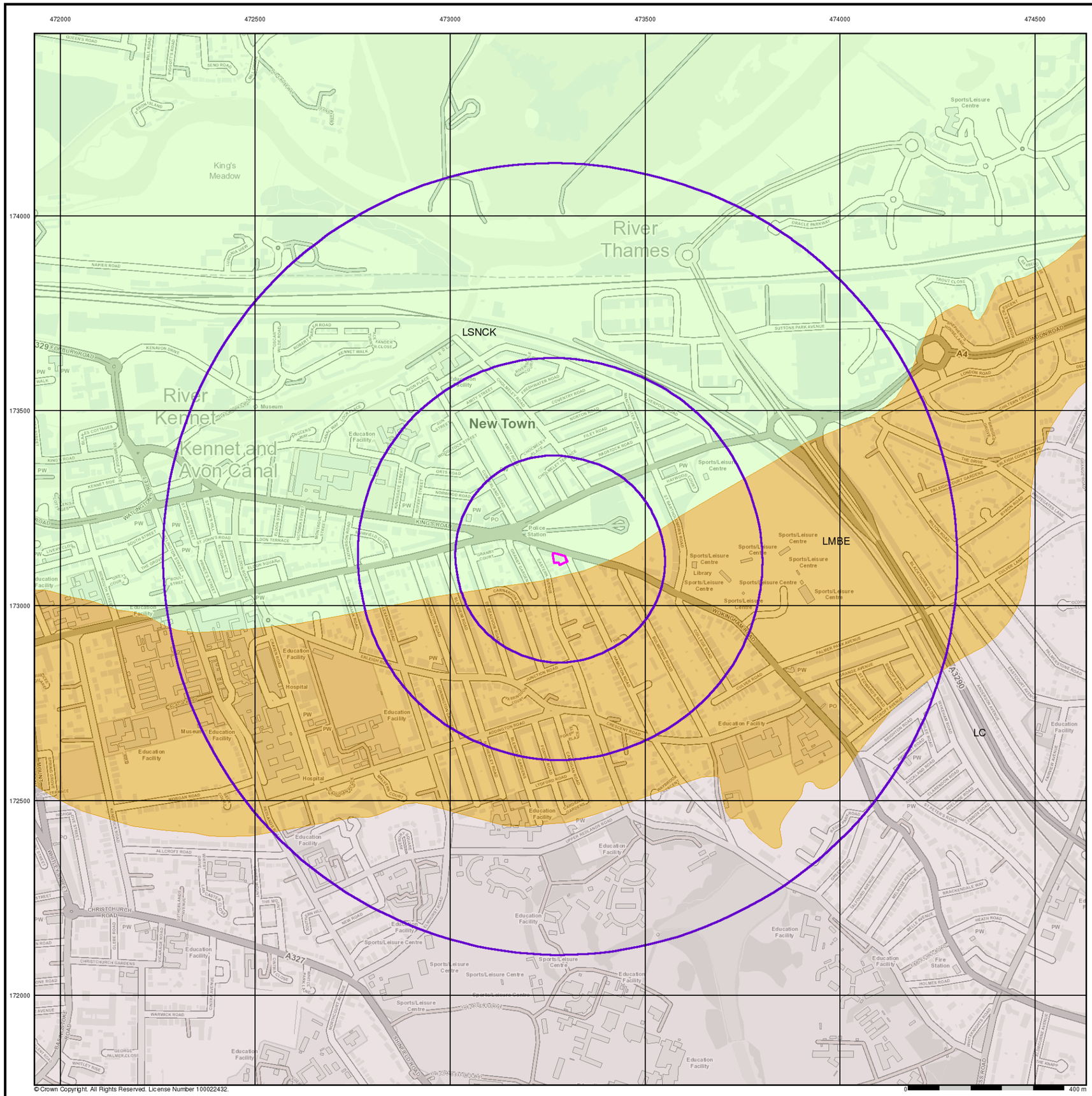
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Bedrock and Faults

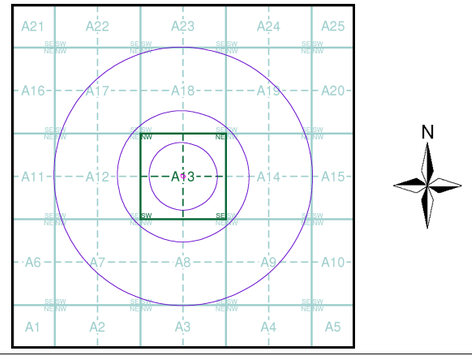
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

The bedrock has formed over vast lengths of geological time ranging from ancient and highly altered rocks of the Proterozoic, some 2500 million years ago, or older, up to the relatively young Pliocene, 1.8 million years ago.

The bedrock geology includes many lithologies, often classified into three types based on origin: igneous, metamorphic and sedimentary.

The BGS Faults and Rock Segments dataset includes geological faults and thin beds mapped as lines such as coal seams and mineral veins. These are not restricted by age and could relate to features of any of the 1:10,000 geology datasets.

Bedrock and Faults Map - Slice A



Order Details

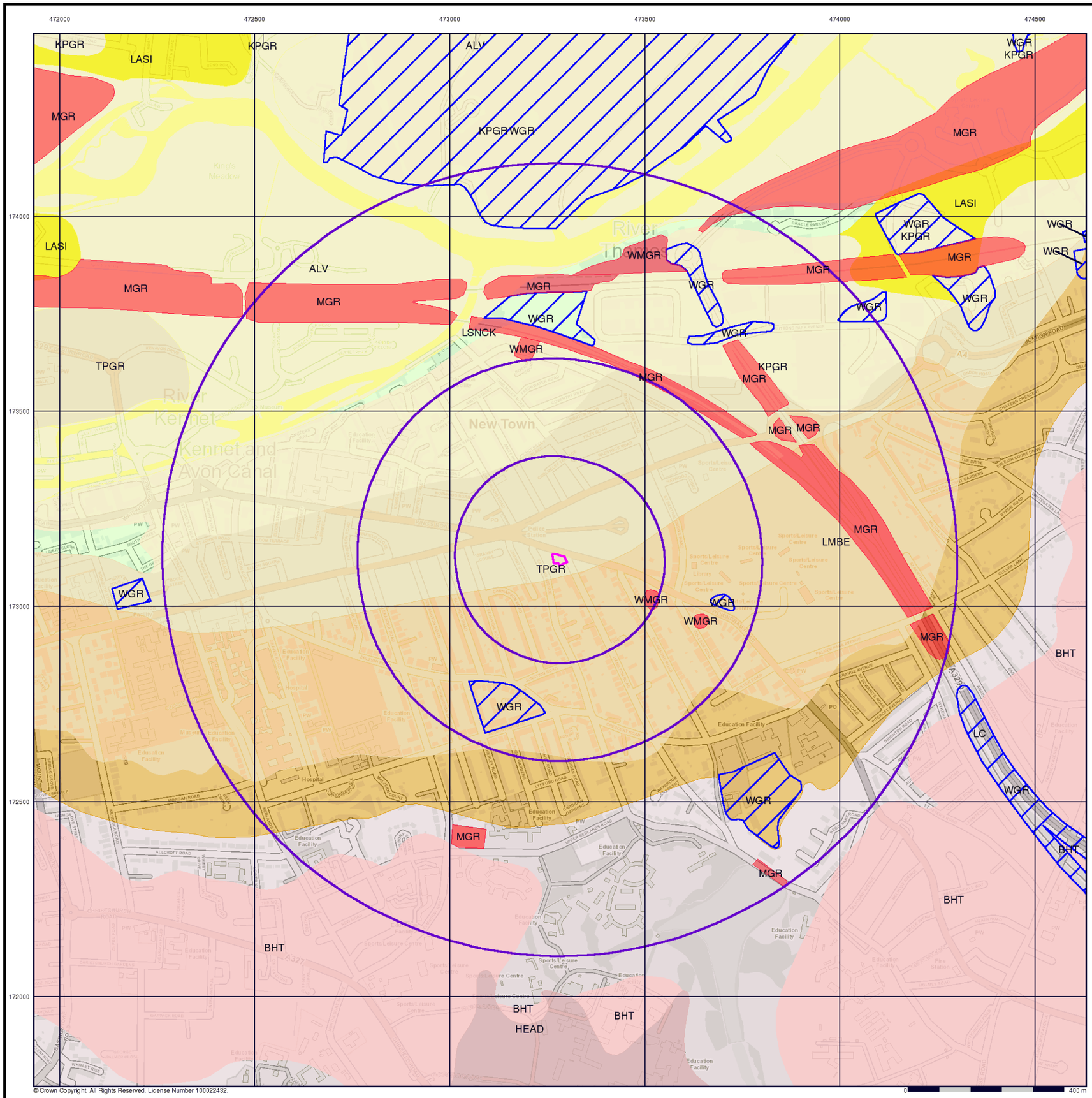
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Combined Surface Geology

The Combined Surface Geology map combines all the previous maps into one combined geological overview of your site.

Please consult the legends to the previous maps to interpret the Combined "Surface Geology" map.

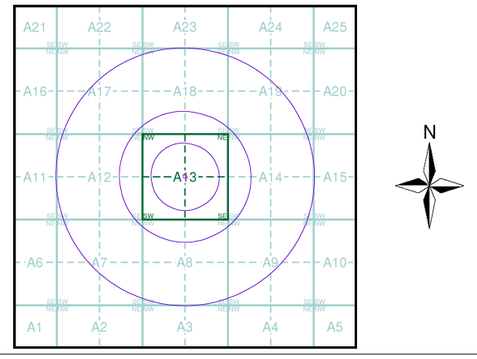
Additional Information

More information on 1:10,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

British Geological Survey
Kingsley Dunham Centre
Keyworth
Nottingham
NG12 5GG
Telephone: 0115 936 3143
Fax: 0115 936 3276
email: enquiries@bgs.ac.uk
website: www.bgs.ac.uk

Combined Geology Map - Slice A



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Customer Ref:	4008
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PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

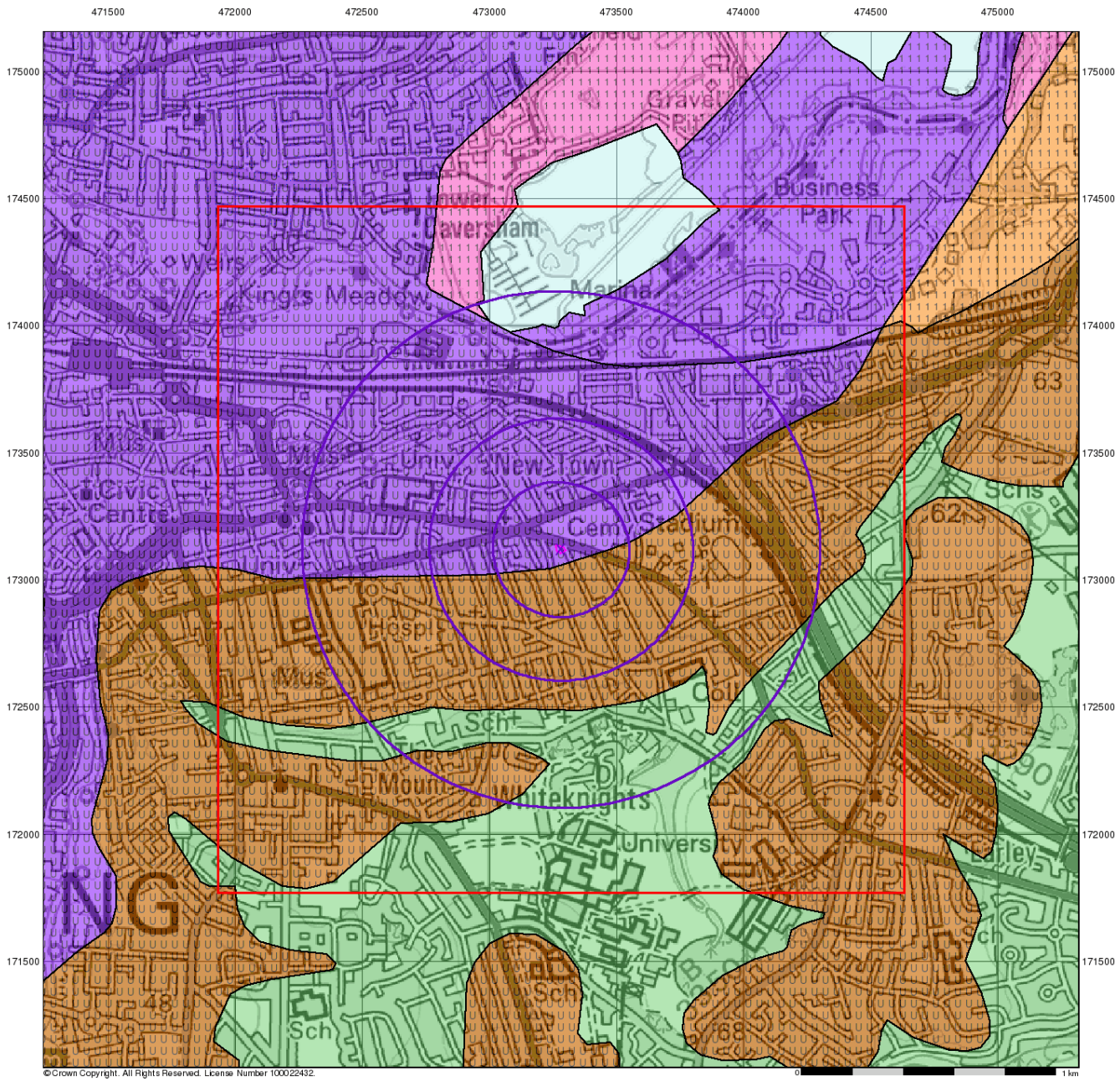
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FOR

PROPOSED HOUSING DEVELOPMENT

APPENDIX B

HYDROLOGICAL / HYDROGEOLOGICAL REPORT



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Groundwater Vulnerability

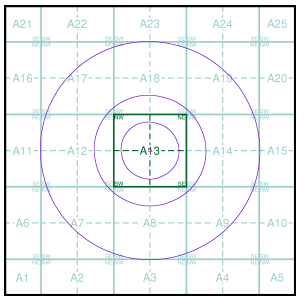
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes	Soil Classes
Major Aquifer (Highly Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Minor Aquifer (Variably Permeable)	High (H) 1, 2, 3, U
	Intermediate (I) 1, 2
	Low
Non Aquifer (Negligibly Permeable)	
Water or Sea	
Drift Deposit	

Site Sensitivity Context Map - Slice A



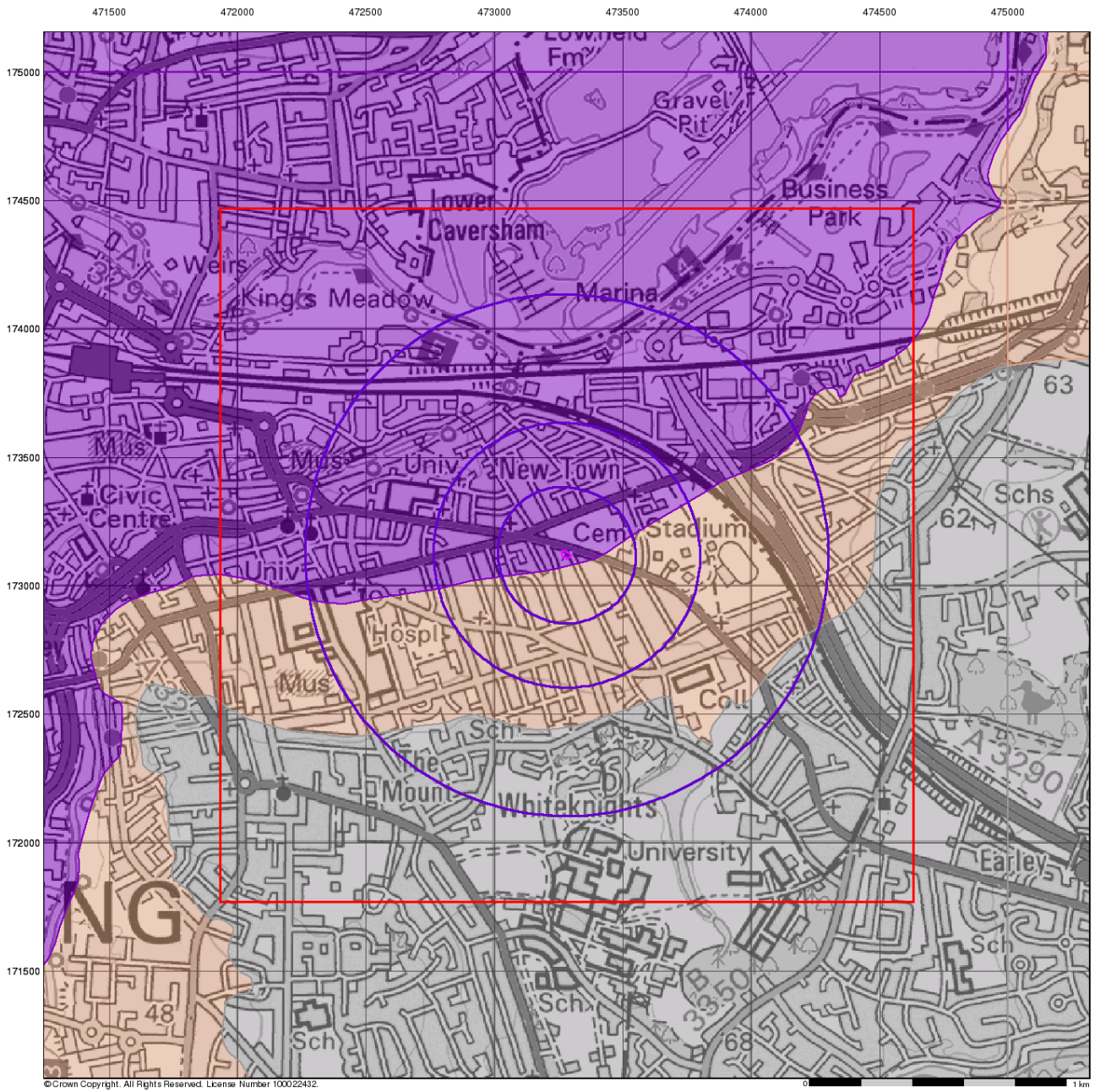
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Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

28, Wokingham Road, READING, RG6 1JQ

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Bedrock Aquifer Designation

General

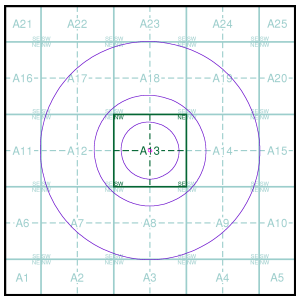
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

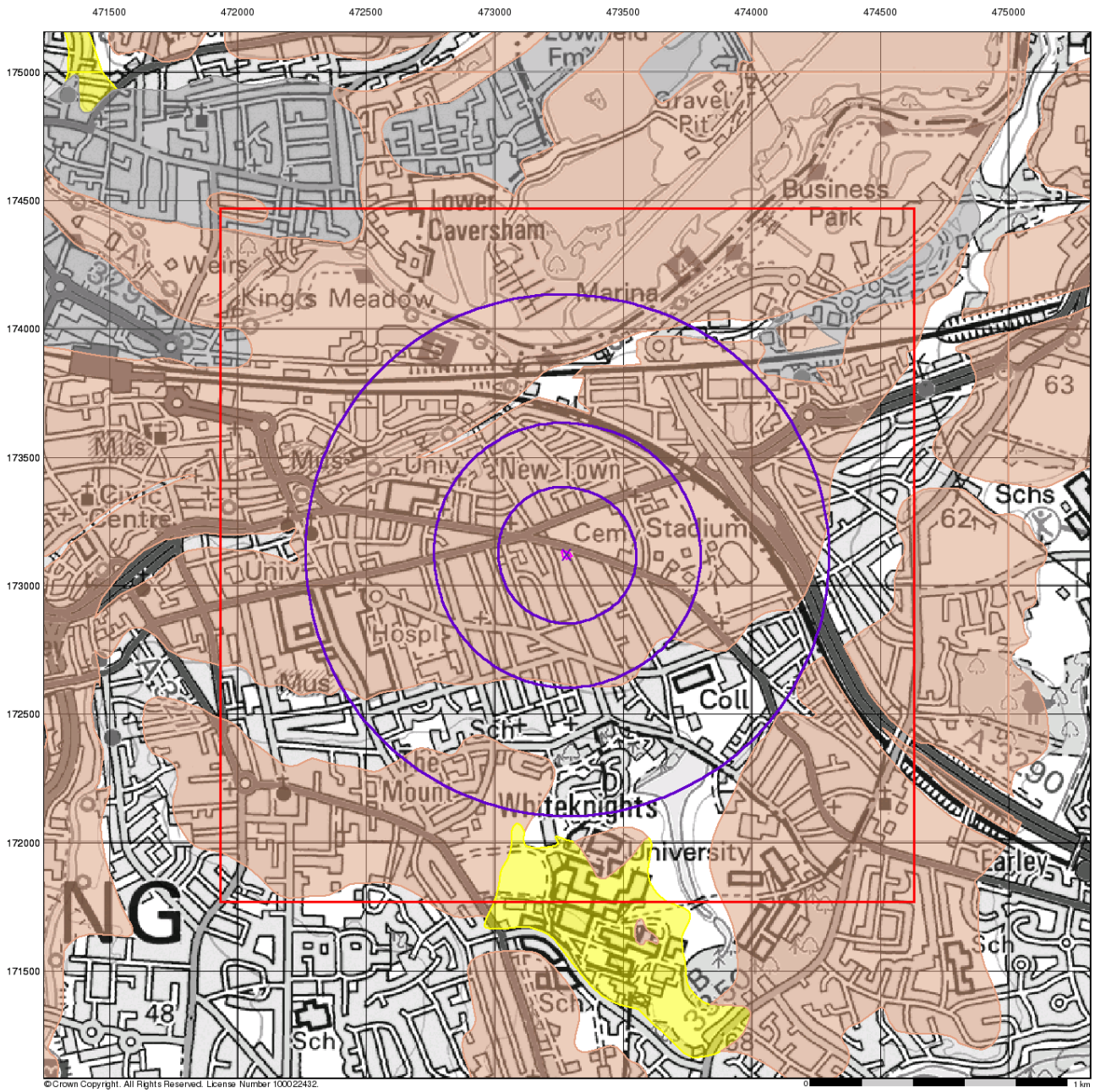
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Superficial Aquifer Designation

General

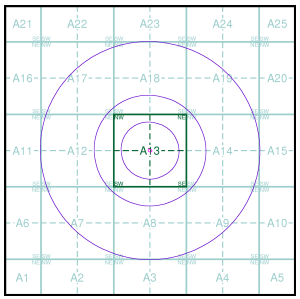
Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

Geological Classes

- Principal Aquifer
- Secondary A Aquifer
- Secondary B Aquifer
- Secondary Undifferentiated
- Unproductive Strata
- Unknown
- Unknown (Lakes and Landslip)

Site Sensitivity Context Map - Slice A



Order Details

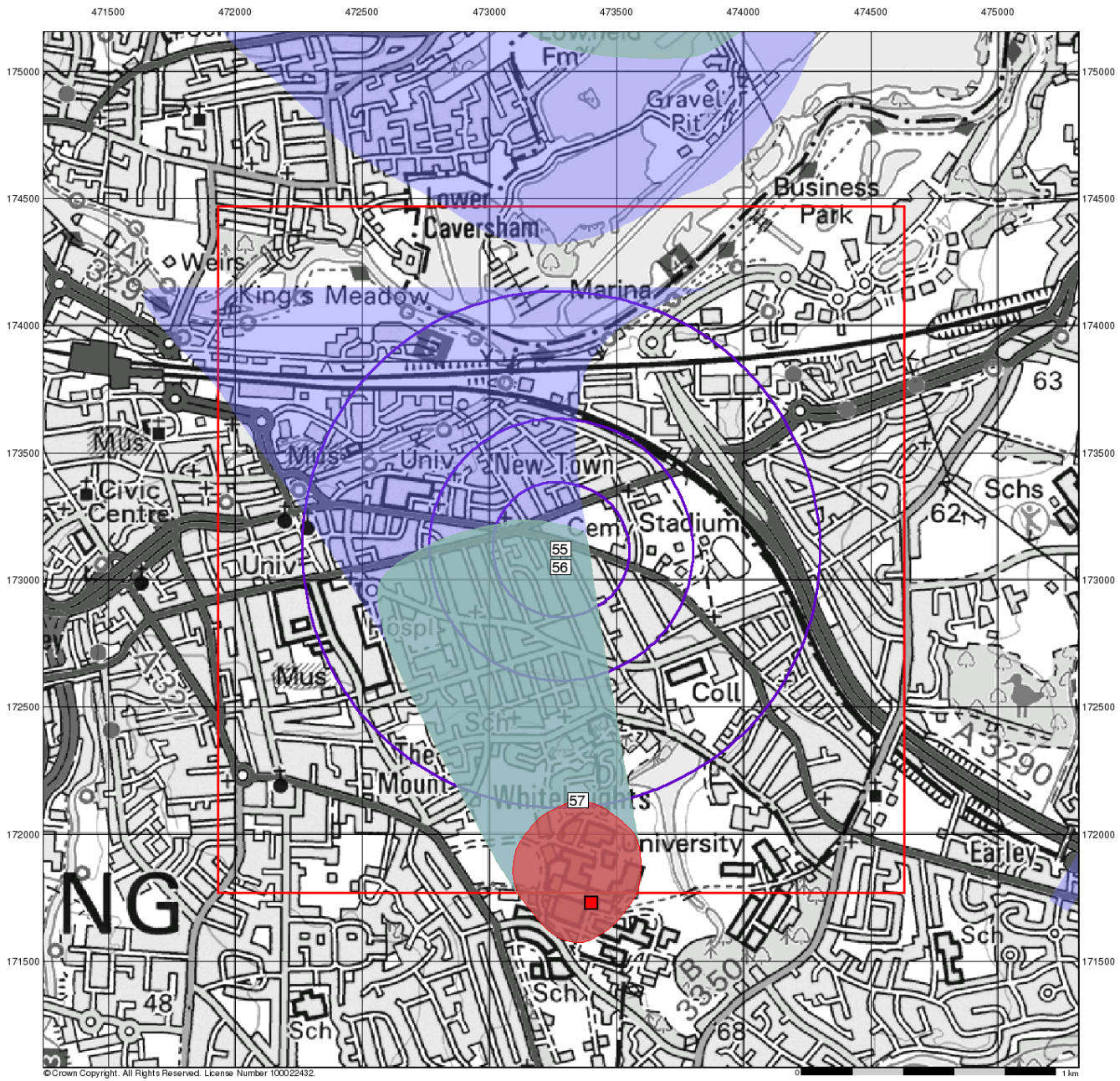
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Site Area (Ha):	0.08
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Source Protection Zones

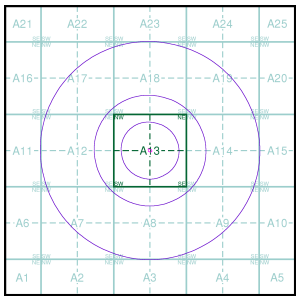
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice | Map ID

Agency and Hydrological

- Inner zone (Zone 1)
- Inner zone - subsurface activity only (Zone 1c)
- Outer zone (Zone 2)
- Outer zone - subsurface activity only (Zone 2c)
- Total catchment (Zone 3)
- Total catchment - subsurface activity only (Zone 3c)
- Special interest (Zone 4)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A



Order Details

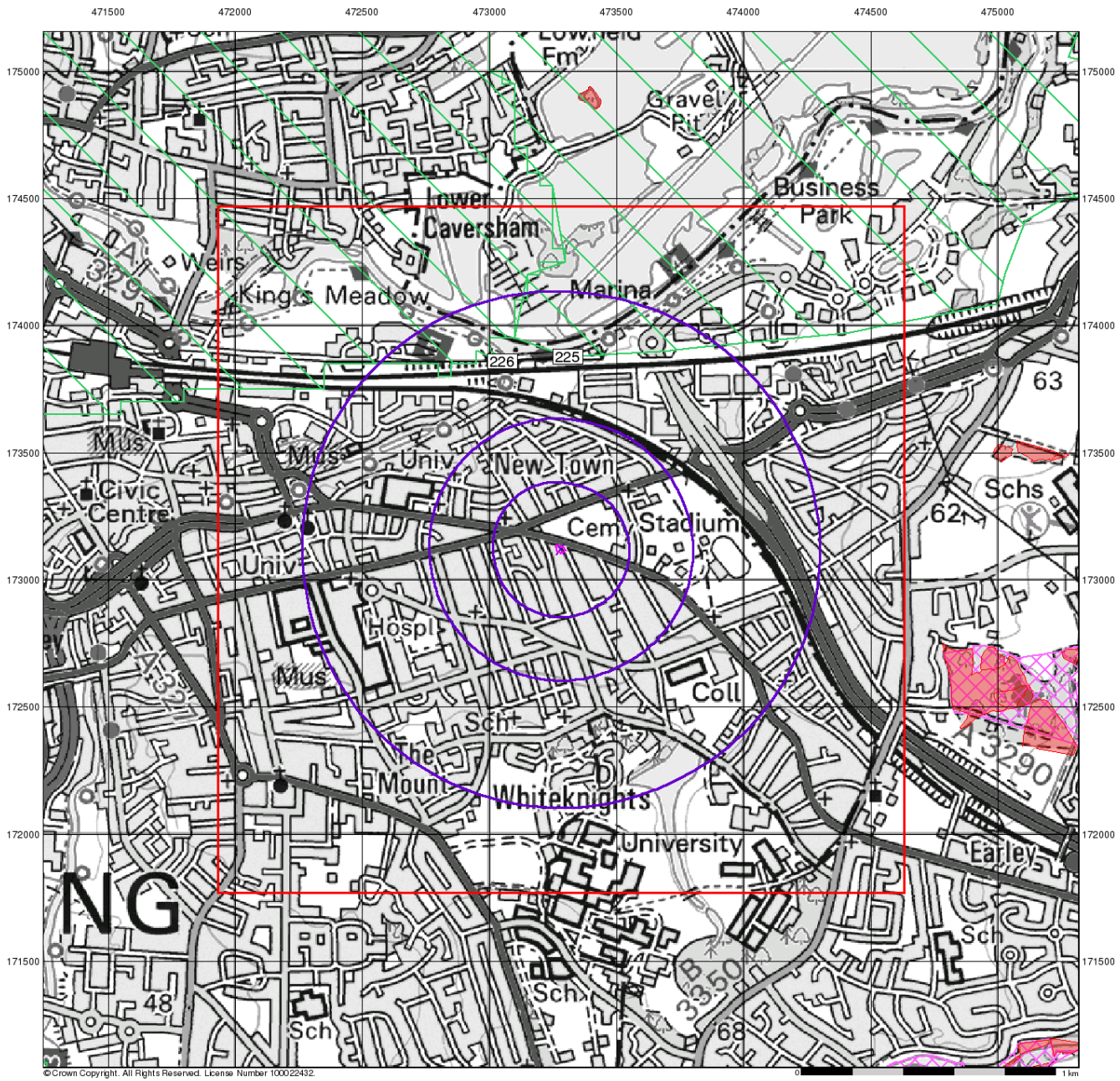
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Sensitive Land Uses

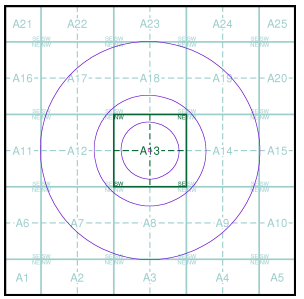
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Sensitive Land Uses

- Ancient Woodland
- Area of Adopted Green Belt
- Area of Unadopted Green Belt
- Area of Outstanding Natural Beauty
- Environmentally Sensitive Area
- Forest Park
- Local Nature Reserve
- Marine Nature Reserve
- National Nature Reserve
- National Park
- Nitrate Sensitive Area
- Nitrate Vulnerable Zone
- Ramsar Site
- Site of Special Scientific Interest
- Special Area of Conservation
- Special Protection Area
- World Heritage Sites

Site Sensitivity Context Map - Slice A



Order Details

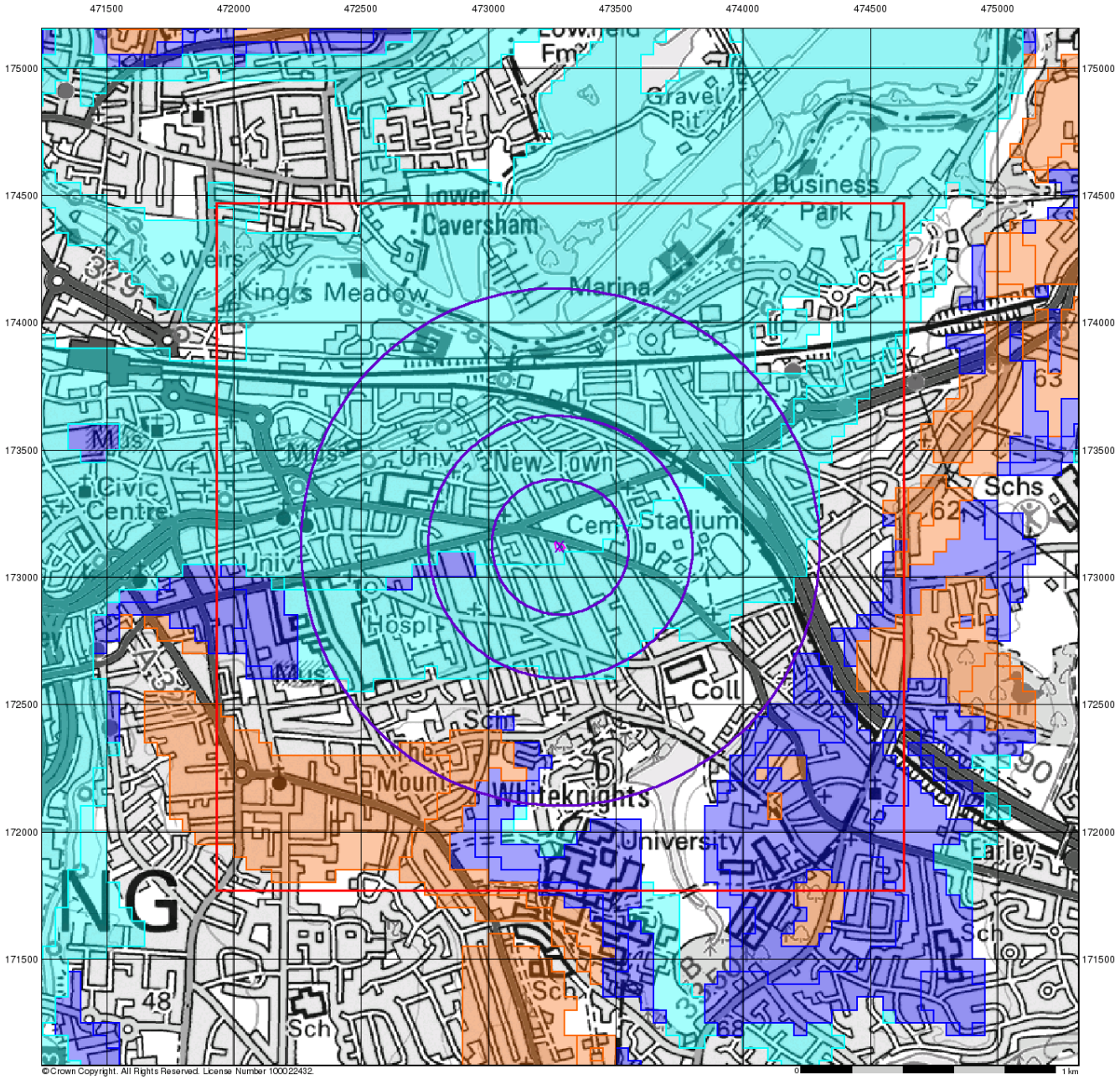
Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
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Site Area (Ha):	0.08
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BGS Flood GFS Data

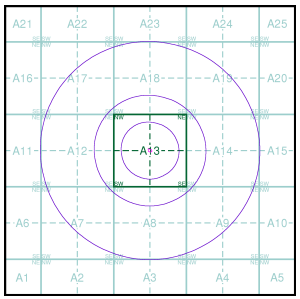
General

Specified Site | Specified Buffer(s) | Bearing Reference Point | Slice

Agency and Hydrological (Flood)

- Limited Potential for Groundwater Flooding to Occur
- Potential for Groundwater Flooding of Property Situated Below Ground Level
- Potential for Groundwater Flooding to Occur at Surface

Site Sensitivity Context Map - Slice A



Order Details

Order Number:	153508705_1_1
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PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

28 WOKINGHAM ROAD, READING, RG6 1JQ

FOR

PROPOSED HOUSING DEVELOPMENT

APPENDIX C

HISTORIC MAP SETS

Historical Mapping Legends

Ordnance Survey County Series 1:10,560

Gravel Pit
Sand Pit
Other Pits
Quarry
Shingle
Orchard
Osiers
Reeds
Marsh
Mixed Wood
Deciduous
Brushwood
Fir
Furze
Rough Pasture
Arrow denotes flow of water
Trigonometrical Station
Site of Antiquities
Bench Mark
Pump, Guide Post, Signal Post
Well, Spring, Boundary Post
·285 Surface Level
Sketched Contour
Instrumental Contour
Main Roads
Fenced
Un-Fenced
Minor Roads
Fenced
Un-Fenced
Sunken Road
Raised Road
Road over Railway
Railway over River
Railway over Road
Level Crossing
Road over River or Canal
Road over Stream
Road over Stream
County Boundary (Geographical)
County & Civil Parish Boundary
Administrative County & Civil Parish Boundary
Co. Boro. Bdy. County Borough Boundary (England)
Co. Burgh Bdy. County Burgh Boundary (Scotland)
R.D. Bdy. Rural District Boundary
Civil Parish Boundary

Ordnance Survey Plan 1:10,000

Chalk Pit, Clay Pit or Quarry
Gravel Pit
Sand Pit
Disused Pit or Quarry
Refuse or Slag Heap
Lake, Loch or Pond
Dunes
Boulders
Coniferous Trees
Non-Coniferous Trees
Orchard
Scrub
Coppice
Bracken
Heath
Rough Grassland
Marsh
Reeds
Saltings
Building
Direction of Flow of Water
Shingle
Sand
Glasshouse
Pylon
Pylon
Electricity Transmission Line
Sloping Masonry
Cutting
Embankment
Standard Gauge Multiple Track
Road Under
Road Over
Level Crossing
Foot Bridge
Standard Gauge Single Track
Siding, Tramway or Mineral Line
Narrow Gauge
Geographical County
Administrative County, County Borough or County of City
Municipal Borough, Urban or Rural District, Burgh or District Council
Borough, Burgh or County Constituency
Shown only when not coincident with other boundaries
Civil Parish
Shown alternately when coincidence of boundaries occurs

BP, BS	Boundary Post or Stone	Pol Sta	Police Station
Ch	Church	PO	Post Office
CH	Club House	PC	Public Convenience
F E Sta	Fire Engine Station	PH	Public House
FB	Foot Bridge	SB	Signal Box
Fn	Fountain	Spr	Spring
GP	Guide Post	TCB	Telephone Call Box
MP	Mile Post	TCP	Telephone Call Post
MS	Mile Stone	W	Well

1:10,000 Raster Mapping

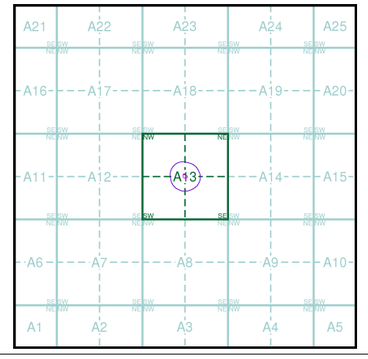
Gravel Pit
Refuse tip or slag heap
Rock
Rock (scattered)
Boulders
Boulders (scattered)
Shingle
Mud
Sand
Sand Pit
Slopes
Top of cliff
General detail
Underground detail
Overhead detail
Narrow gauge railway
Multi-track railway
Single track railway
County boundary (England only)
Civil, parish or community boundary
District, Unitary, Metropolitan, London Borough boundary
Constituency boundary
Area of wooded vegetation
Non-coniferous trees
Non-coniferous trees (scattered)
Coniferous trees
Coniferous trees (scattered)
Positioned tree
Orchard
Coppice or Osiers
Rough Grassland
Heath
Scrub
Marsh, Salt Marsh or Reeds
Water feature
Flow arrows
MHW(S) Mean high water (springs)
MLW(S) Mean low water (springs)
Telephone line (where shown)
Electricity transmission line (with poles)
BM 123.45 m Bench mark (where shown)
Triangulation station
Point feature (e.g. Guide Post or Mile Stone)
Pylon, flare stack or lighting tower
Site of (antiquity)
Glasshouse
General Building
Important Building

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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Oxfordshire	1:10,560	1882	3
Berkshire	1:10,560	1883	4
Berkshire	1:10,560	1900	5
Oxfordshire	1:10,560	1900	6
Berkshire	1:10,560	1901	7
Oxfordshire	1:10,560	1901	8
Berkshire	1:10,560	1913 - 1914	9
Berkshire	1:10,560	1933	10
Berkshire	1:10,560	1938	11
Berkshire	1:10,560	1938	12
Historical Aerial Photography	1:10,560	1948	13
Ordnance Survey Plan	1:10,000	1962	14
Ordnance Survey Plan	1:10,000	1973	15
Ordnance Survey Plan	1:10,000	1979	16
Ordnance Survey Plan	1:10,000	1990	17
Reading	1:10,000	1990	18
Ordnance Survey Plan	1:10,000	1995	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2017	22

Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

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Russian Military Mapping Legends

1:5,000 and 1:10,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Fireproof Building
- Prominent Fireproof Building
- Non-fireproof Building
- Non-fireproof Building (non-dwelling)
- Factory, mill, and flour mill, with chimneys
- Factory, mill, and flour mill, without chimneys
- Power Station, drawn to scale
- Hydroelectric Power Station
- Radio Station, drawn to scale
- Telephone Station, drawn to scale
- Abandoned Open-pit Mine or Quarry
- Open-pit Salt Mine
- Pit
- Oil Deposit or Well
- Oil Seepage
- Tailings Pile
- Fuel Storage Tanks
- Natural Gas Tank
- Bench Mark
- Drill Hole
- Burial Mound
- Triangulation Point on Burial Mound
- Single-track Railroad
- Double-track Railroad and Station Building
- Coniferous Forest
- Deciduous Forest
- Mixed Forest
- Lawns
- Citrus Orchard
- Wet Ground
- Scattered Vegetation

243,8 — Values for prominent elevations

186.0 — Numbers for spot elevations, depth soundings, contour lines, etc.

0,2 — Velocity of the current, width of river bed, depth of river

Fractional terms: length and capacity of bridges; depth of fords and condition of the river bottom; height of forest and the diameter of trees

Russian Alphabet (For reference and phonetic interpretation of map text)

А а (A)	З з (Z)	П п (P)	Ч ч (CH)
Б б (B)	И и (I)	Р р (R)	Ш ш (SH)
В в (V)	Й й (Y)	С с (S)	Щ щ (SHCH)
Г г (G)	К к (K)	Т т (T)	ъ (–)
Д д (D)	Л л (L)	У у (U)	ы (Y)
Е е (E)	М м (M)	Ф ф (F)	ь (')
Ё ё (YO)	Н н (N)	Х х (KH)	Э э (E)
Ж ж (ZH)	О о (O)	Ц ц (TS)	Ю ю (YU or IU)
			Я я (YA or IA)

1:25,000 mapping

a. Not drawn to scale b. Drawn to scale

- Government and Administrative Buildings
- Military and Industrial Buildings
- Military and Communication Areas
- Subway Entrance
- Partly Demolished Buildings
- Demolished Buildings
- Built-Up Area with Fireproof Buildings Predominant
- Built-Up Area with Non-Fireproof Buildings Predominant
- Individual Fireproof Building
- Prominent Industrial Building
- Individual Dwelling, Fireproof
- Ruins of an Individual Dwelling
- Factory or Mill Chimney
- Factory or Mill with Chimney (бум.)
- Factory or Mill without Chimney (скип.)
- Mine or Open Pit Mine (медн.)
- Operating Shaft or Mine (кам. уг.)
- Non-Operating Shaft or Mine
- Salt Mine (сол.)
- Tailings Pile
- Pit (– 1.7)
- Stone Quarry (гл. пес. кам.)
- Gas Pump or Service Station
- Fuel Storage or Natural Gas Tank
- Oil or Natural Gas Derrick
- Small Hydroelectric Power Station
- Power Station
- Transformer Station (б.тр.)
- Cemetery
- Burial Mound (height in metres) (+ 8.1)
- Triangulation Point on Burial Mound (95.7)
- Triangulation Point (92.6)
- Bench Mark (52.1)
- Bench Mark (monumented) (71.1)
- Telegraph Office
- Telephone Station
- Radio Station
- Radio Tower
- Airfield or Seaplane Base
- Landing Strip
- Main Highway (Cut, Fill, Km Post, Plantings, Telegraph/Telephone Lines)
- Highway under Construction
- Improved Dirt Road (former truck road) (Width of Road, Steep Grade)
- Double-track Railroad with First Class Station (Small Bridge, Pipe (Culvert), Tunnel)
- Dismantled Railroad
- Railroad Under Construction
- Shore Embankment
- River or Ditch with Embankment (+2.4)
- Direction and velocity of current (Water Gauge, 135.1, Water Level Mark)
- Well (К. 125.0 (г.-сол.))
- Water Reservoir or Rain Water Pit (вдхр.)
- Spring (156.2 кл.)
- Isobath with value (20)
- Heavy (Index) Contour Line
- Contour Line and Value (20)
- Half Contour Line
- Spot Elevation Value (347.1)
- Coniferous
- Deciduous
- Mixed
- Scrub

Key to Numbers on Mapping

SU77SW_Reading

No.	Description
2	Hospital
17	Factories (Metal Works And Tubes)
25	Education Establishment (College)
28	Post Office

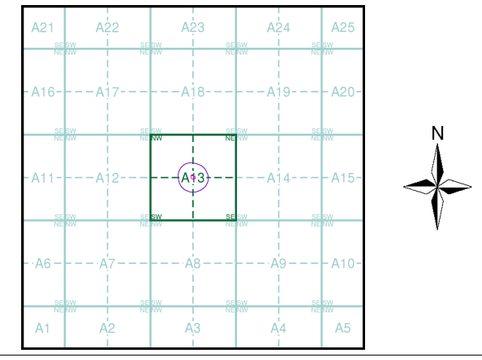
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Berkshire	1:10,560	1901	7
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Ordnance Survey Plan	1:10,000	1995	19
10K Raster Mapping	1:10,000	1999	20
10K Raster Mapping	1:10,000	2006	21
VectorMap Local	1:10,000	2017	22

Russian Map - Slice A



Order Details

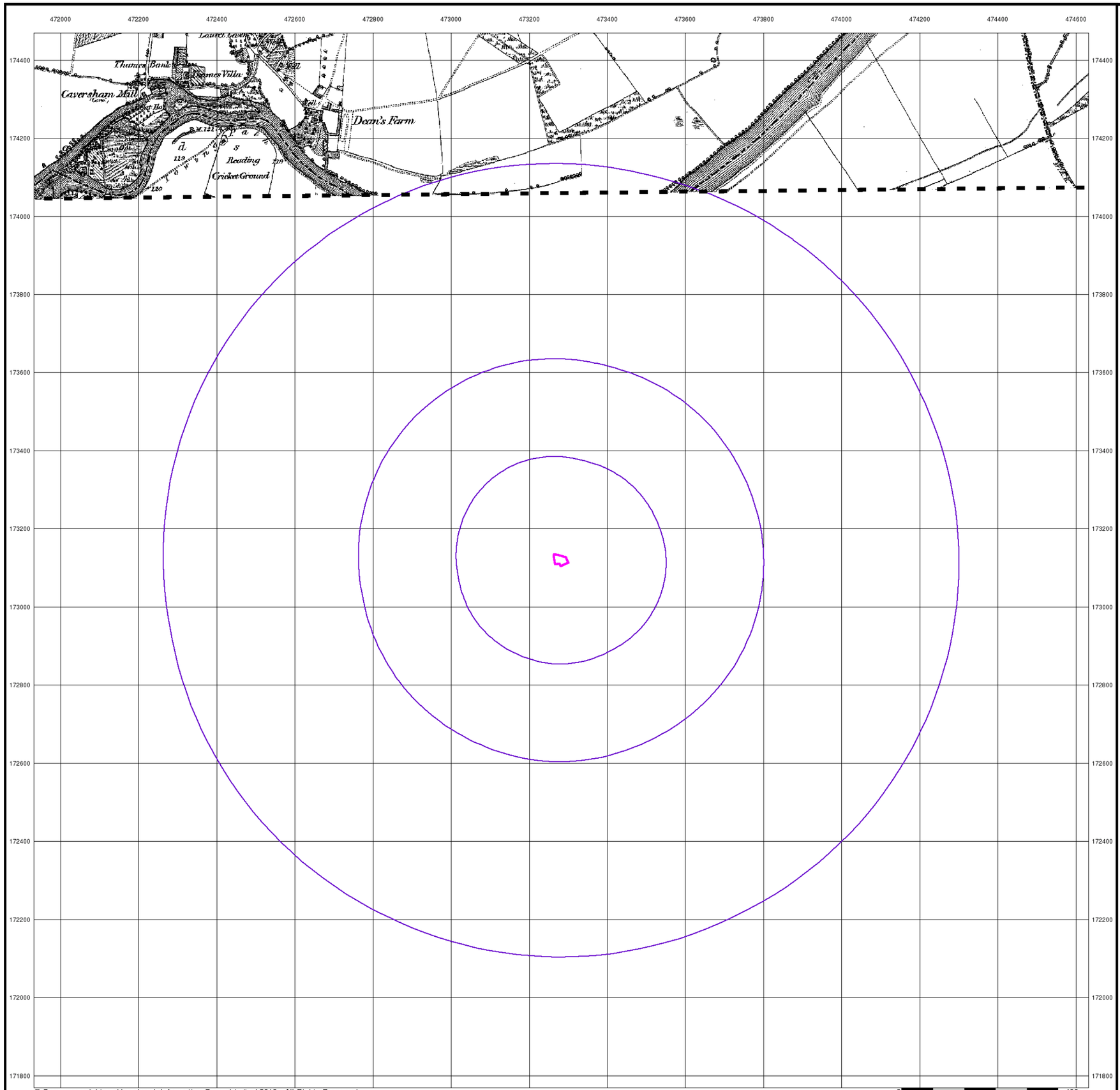
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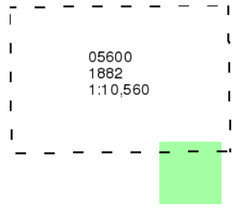
Oxfordshire

Published 1882

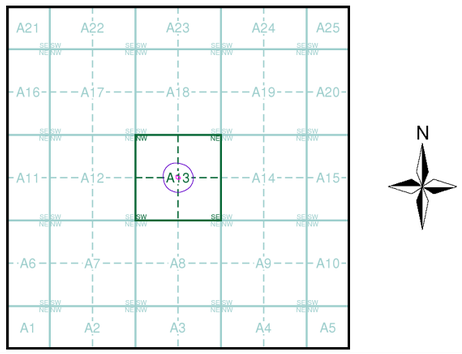
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

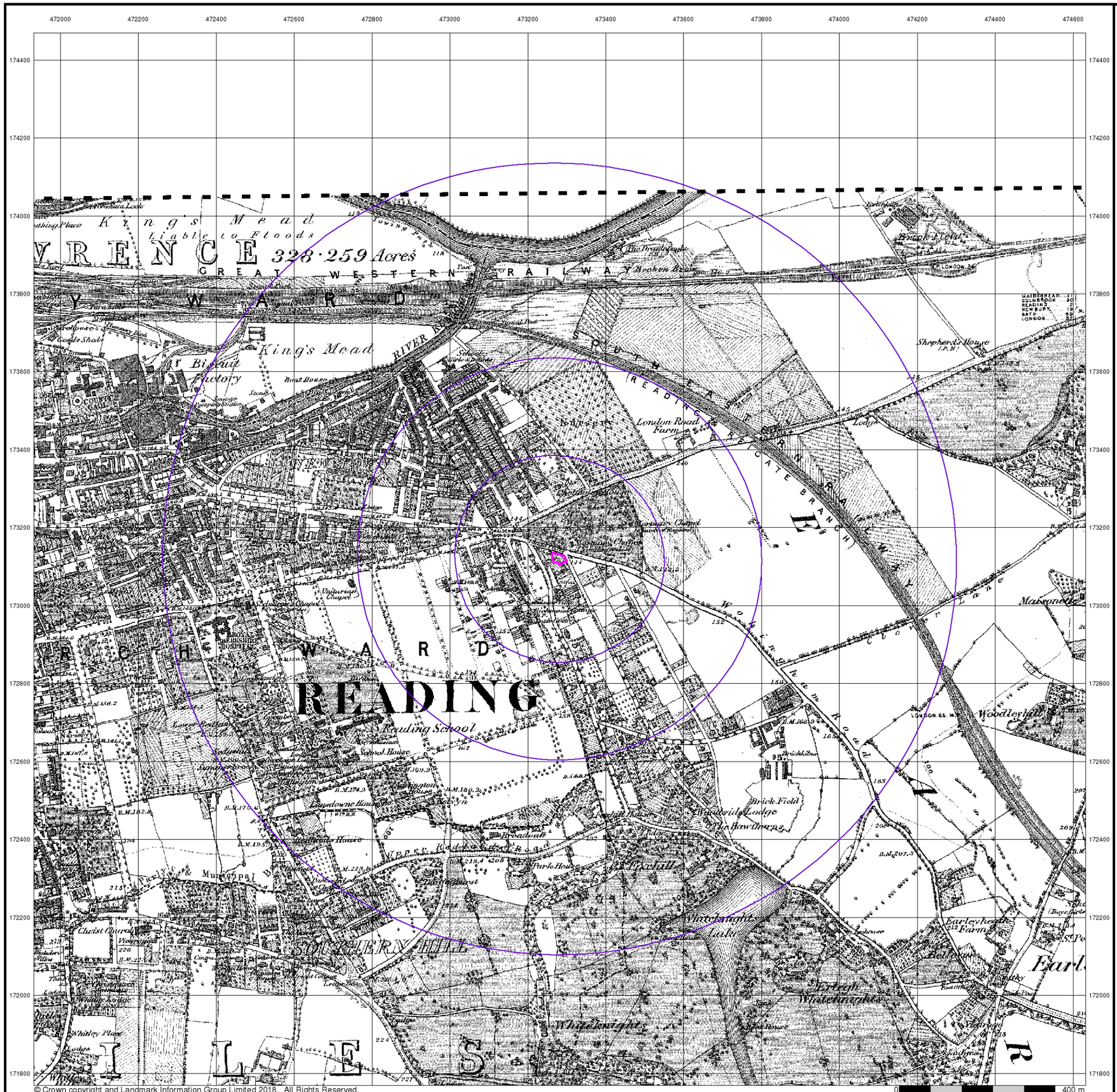
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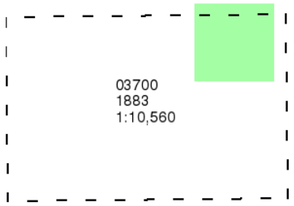
Berkshire

Published 1883

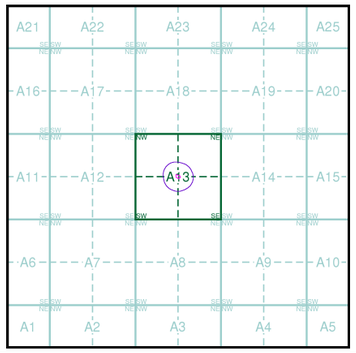
Source map scale - 1:10,560

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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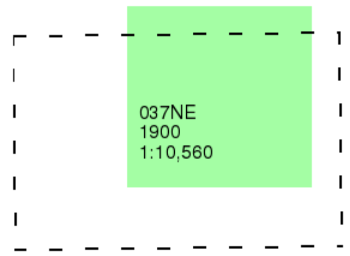
Berkshire

Published 1900

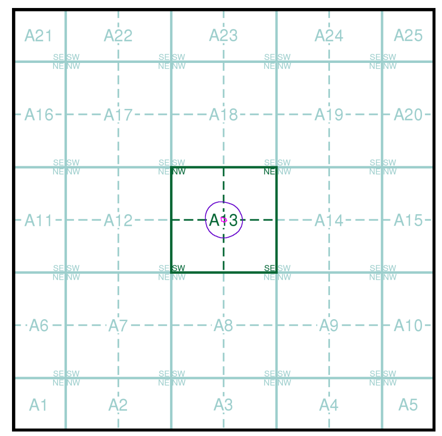
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Map Name(s) and Date(s)



Historical Map - Slice A



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Order Details

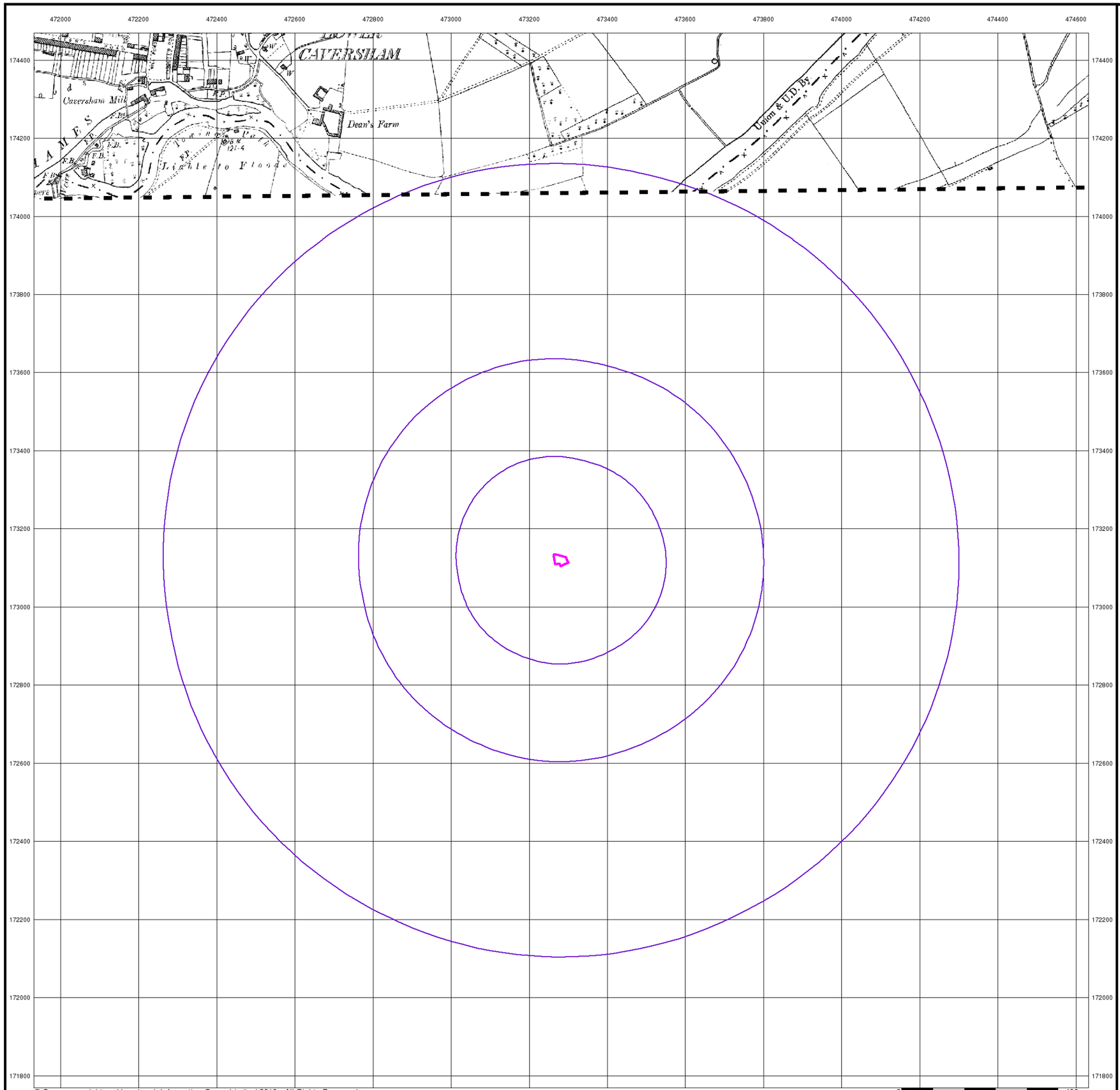
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Customer Ref: 4008
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Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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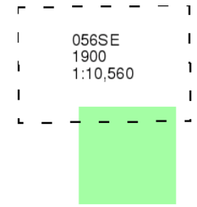
Oxfordshire

Published 1900

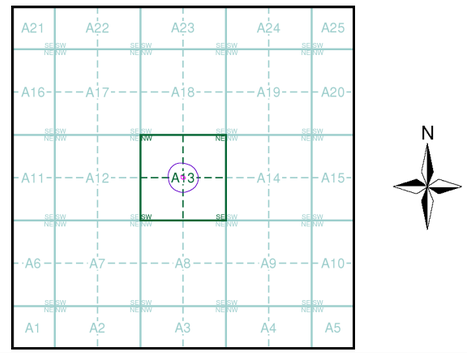
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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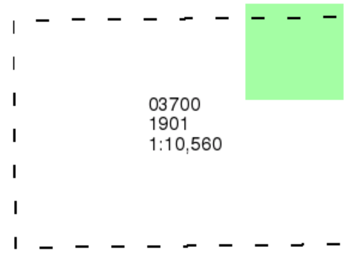
Berkshire

Published 1901

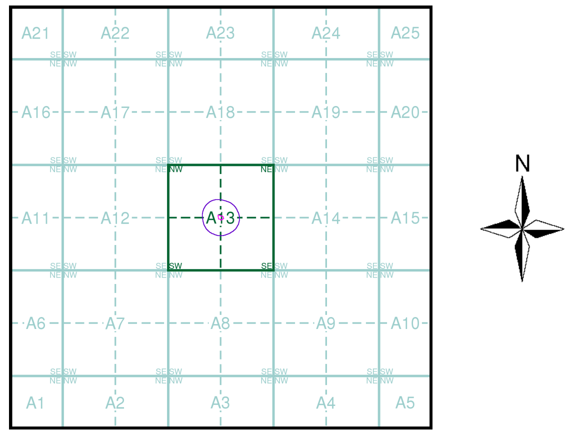
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

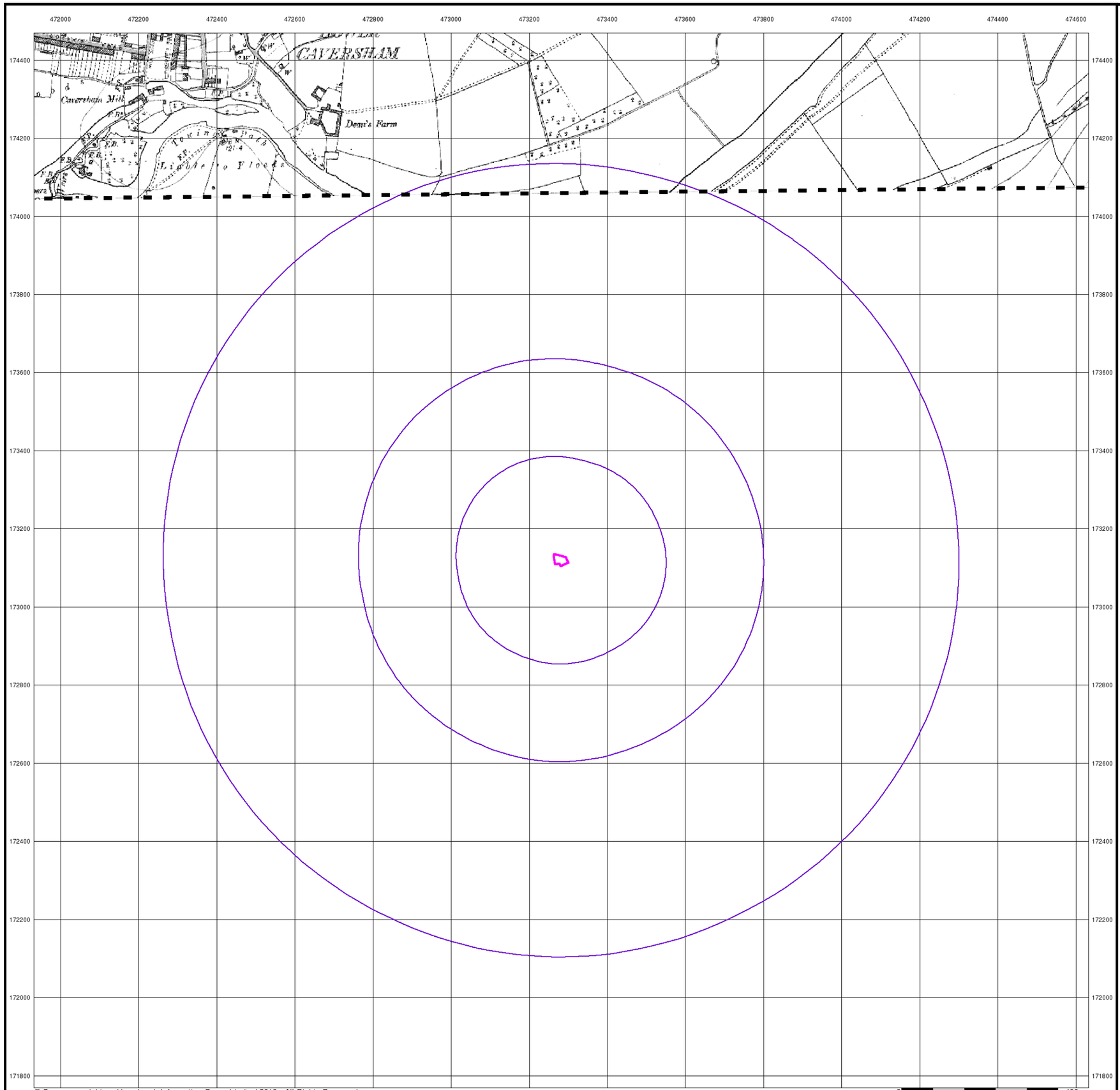
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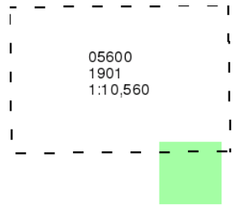
Oxfordshire

Published 1901

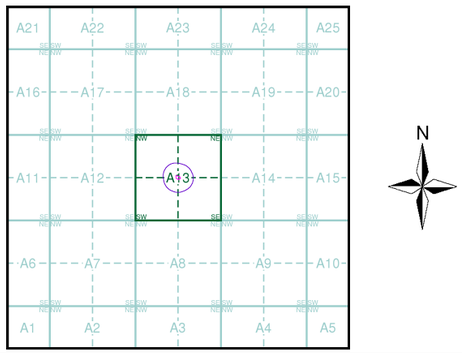
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

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Berkshire

Published 1913 - 1914

Source map scale - 1:10,560

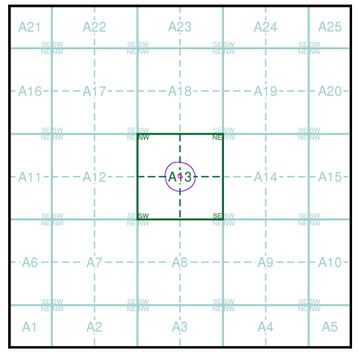
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Map Name(s) and Date(s)

029SE
1914
1:10,560

037NE
1913
1:10,560

Historical Map - Slice A



Order Details

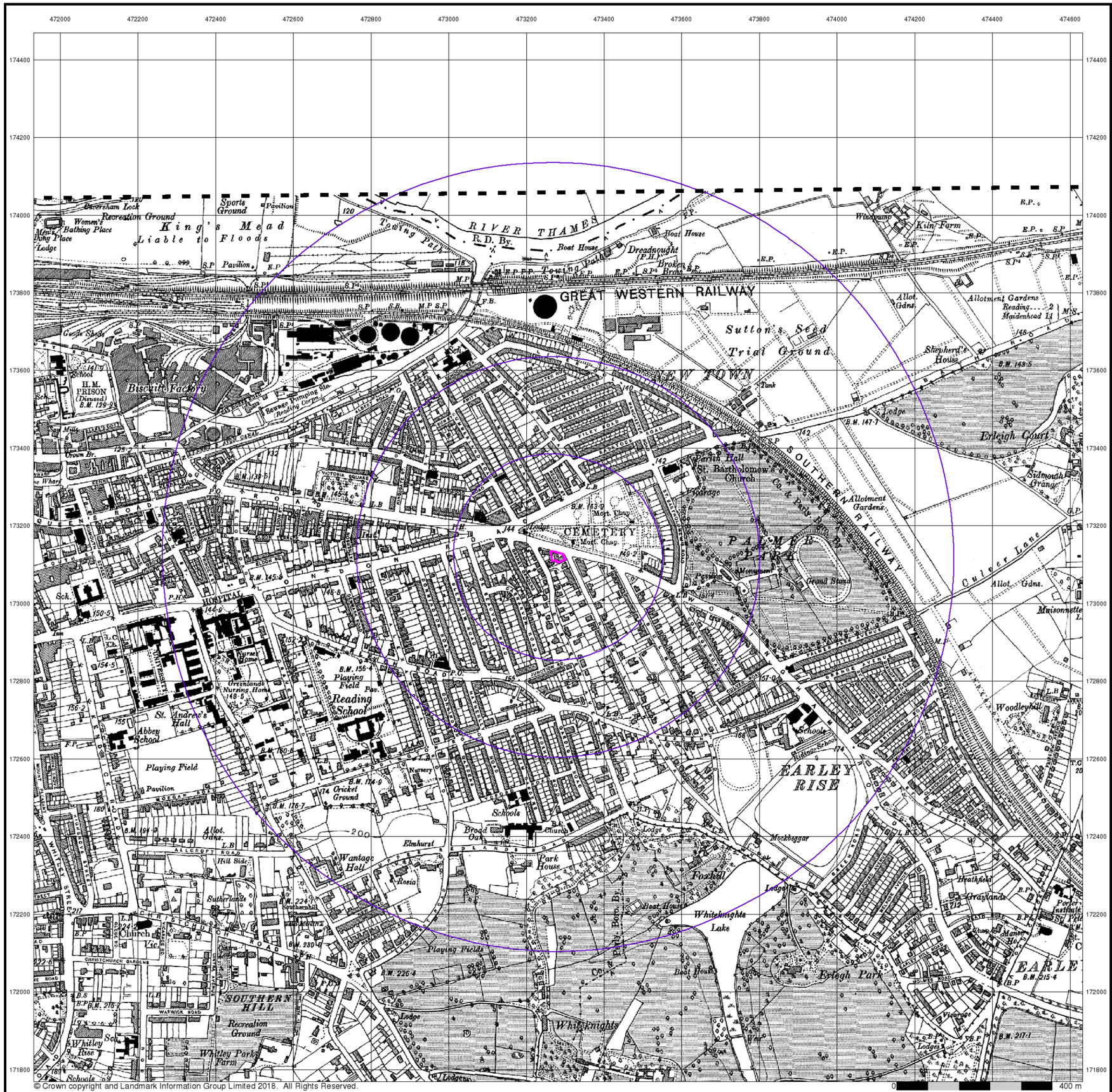
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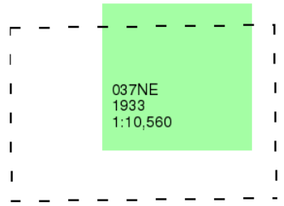
Berkshire

Published 1933

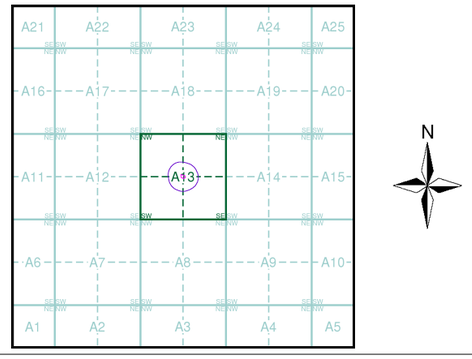
Source map scale - 1:10,560

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
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Berkshire

Published 1938

Source map scale - 1:10,560

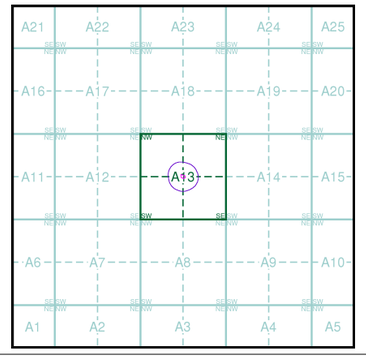
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)

029SE
1938
1:10,560

037NE
1938
1:10,560

Historical Map - Slice A



Order Details

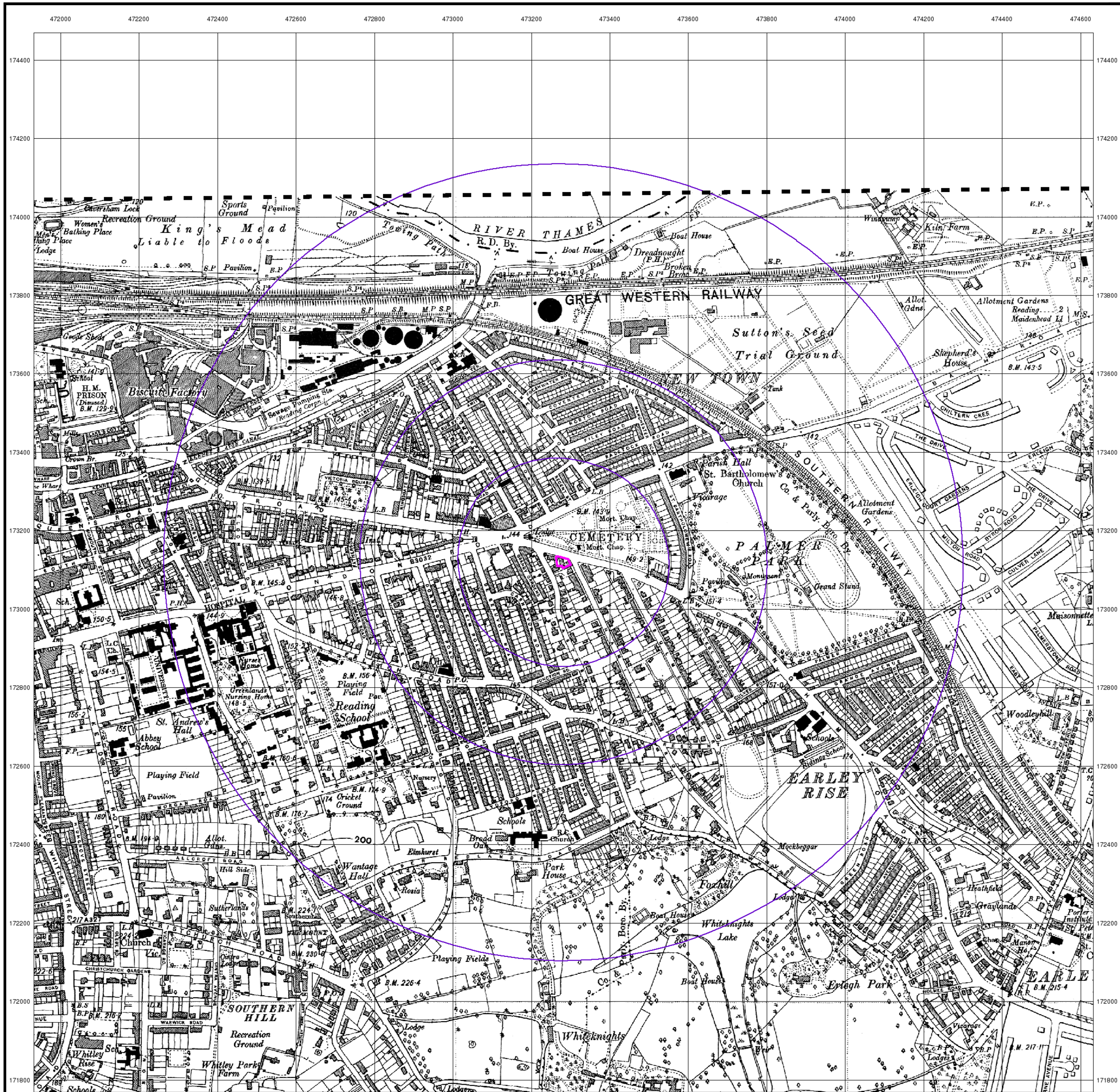
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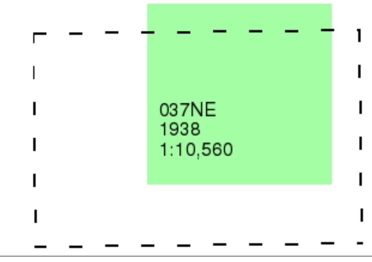
Berkshire

Published 1938

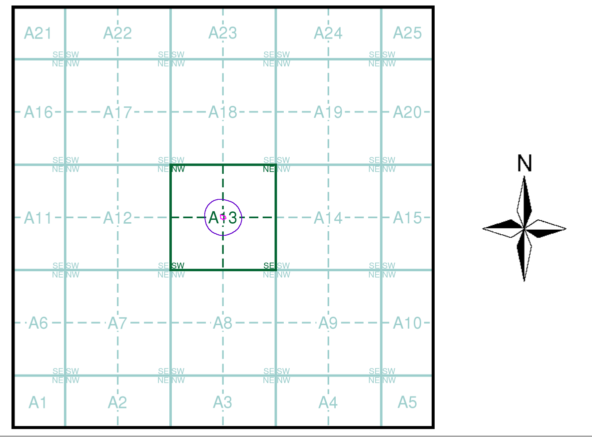
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 153508705_1_1
Customer Ref: 4008
National Grid Reference: 473280, 173120
Slice: A
Site Area (Ha): 0.08
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Historical Aerial Photography

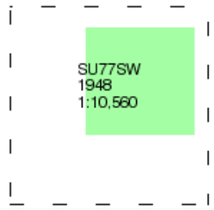
Published 1948

Source map scale - 1:10,560

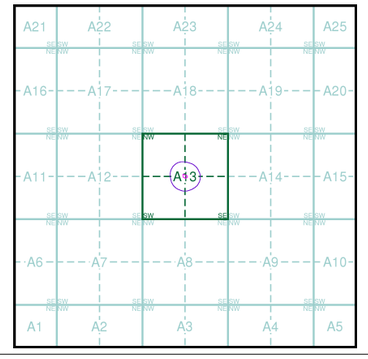
The Historical Aerial Photos were produced by the Ordnance Survey at a scale of 1:1,250 and 1:10,560 from Air Force photography. They were produced between 1944 and 1951 as an interim measure, pending preparation of conventional mapping, due to post war resource shortages. New security measures in the 1950's meant that every photograph was re-checked for potentially unsafe information with security sites replaced by fake fields or clouds. The original editions were withdrawn and only later made available after a period of fifty years although due to the accuracy of the editing, without viewing both revisions it is not easy to spot the edits. Where available Landmark have included both revisions.

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Map Name(s) and Date(s)



Historical Aerial Photography - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
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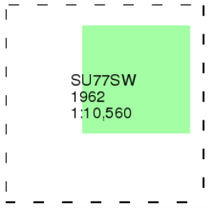
Ordnance Survey Plan

Published 1962

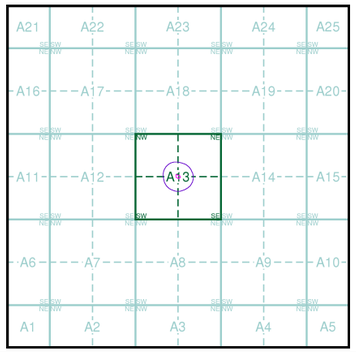
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
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National Grid Reference:	473280, 173120
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Search Buffer (m):	1000

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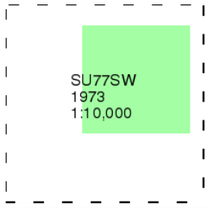
Ordnance Survey Plan

Published 1973

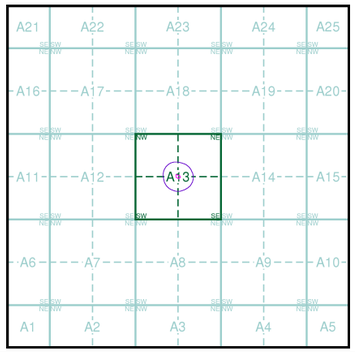
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
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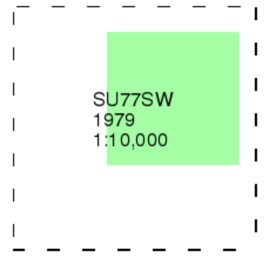
Ordnance Survey Plan

Published 1979

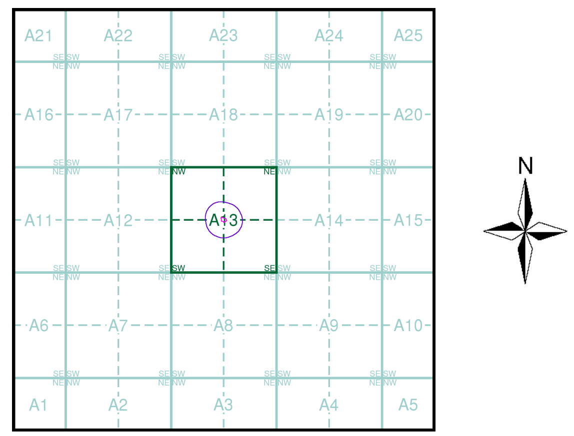
Source map scale - 1:10,000

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas. In the late 1940`s, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

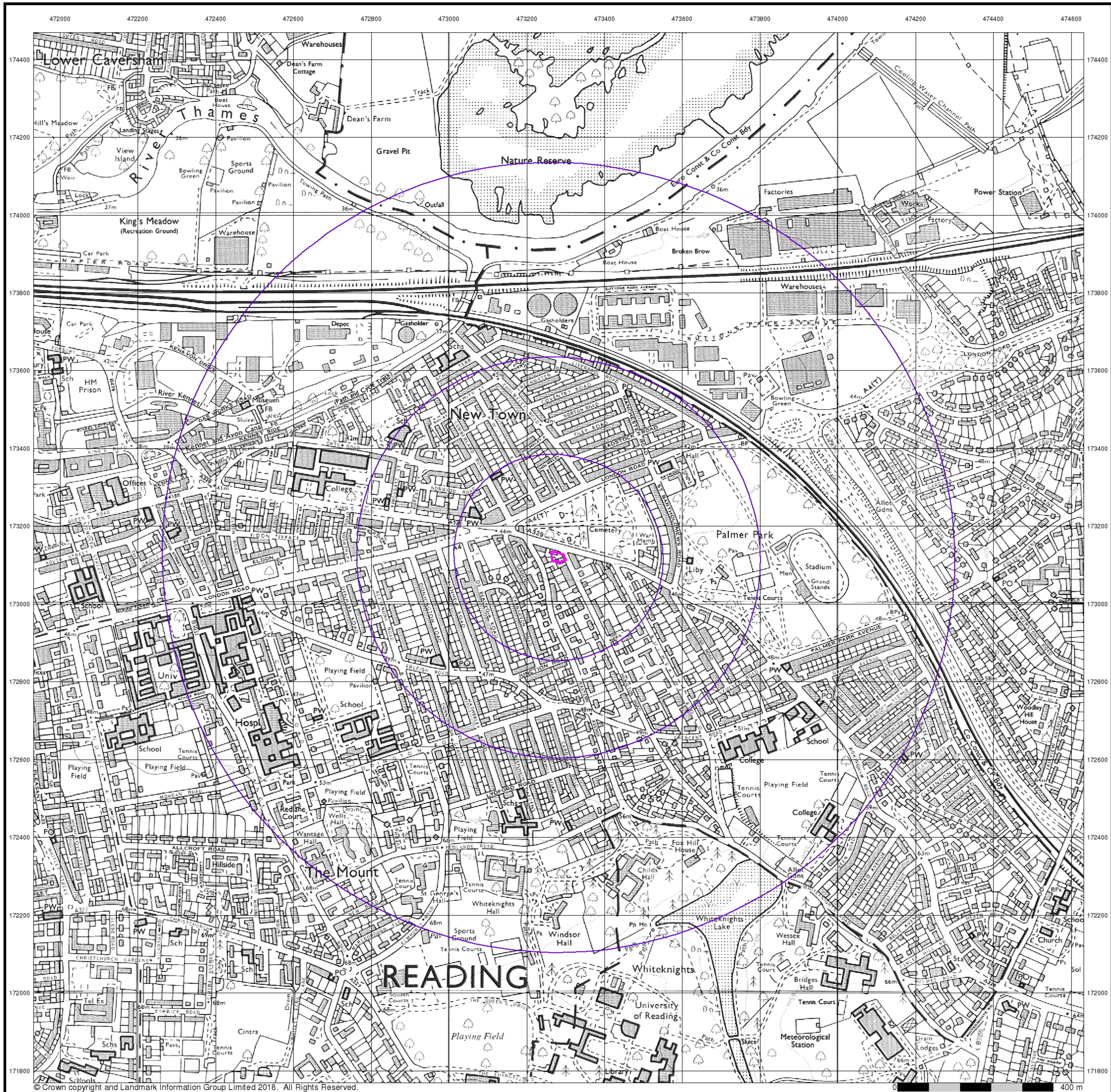
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Customer Ref: 4008
National Grid Reference: 473280, 173120
Slice: A
Site Area (Ha): 0.08
Search Buffer (m): 1000

Site Details

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Ordnance Survey Plan

Published 1990

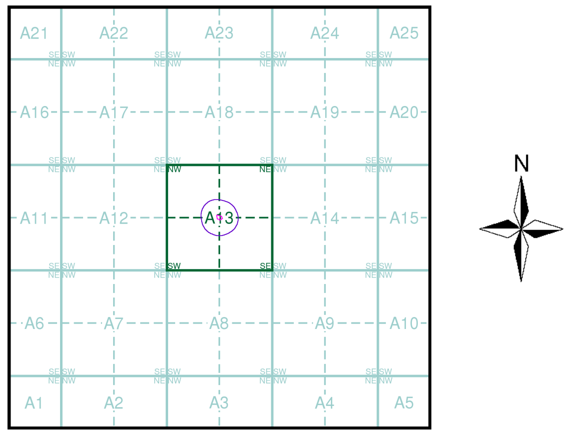
Source map scale - 1:10,000

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Map Name(s) and Date(s)

SU77SW
1990
1:10,000

Historical Map - Slice A



Order Details

Order Number: 153508705_1_1
Customer Ref: 4008
National Grid Reference: 473280, 173120
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0 400 m

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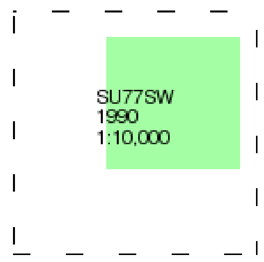
Reading

Published 1990

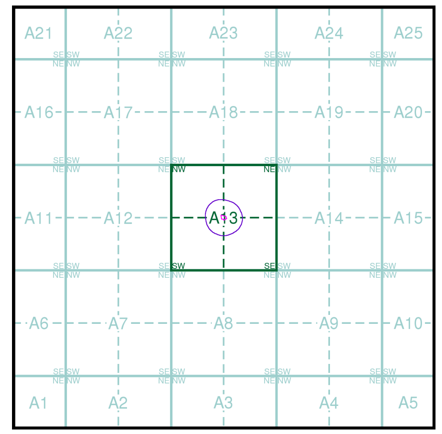
Source map scale - 1:10,000

These maps were produced by the Russian military during the Cold War between 1950 and 1997, and cover 103 towns and cities throughout the U.K. The maps are produced at 1:25,000, 1:10,000 and 1:5,000 scale, and show detailed land use, with colour-coded areas for development, green areas, and non-developed areas. Buildings are coloured black and important building uses (such as hospitals, post offices, factories etc.) are numbered, with a numbered key describing their use.
They were produced by the Russians for the benefit of navigation, as well as strategic military sites and transport hubs, for use if they were to have invaded the U.K. The detailed information provided indicates that the areas were surveyed using land-based personnel, on the ground, in the cities that are mapped.

Map Name(s) and Date(s)



Russian Map - Slice A



Order Details

Order Number: 153508705_1_1
Customer Ref: 4008
National Grid Reference: 473280, 173120
Slice: A
Site Area (Ha): 0.08
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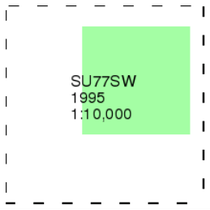
Ordnance Survey Plan

Published 1995

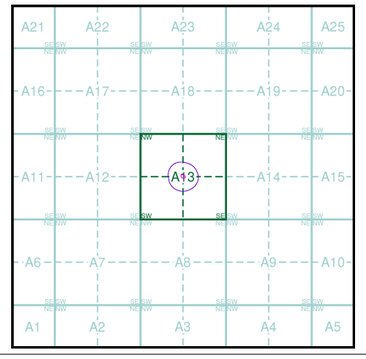
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



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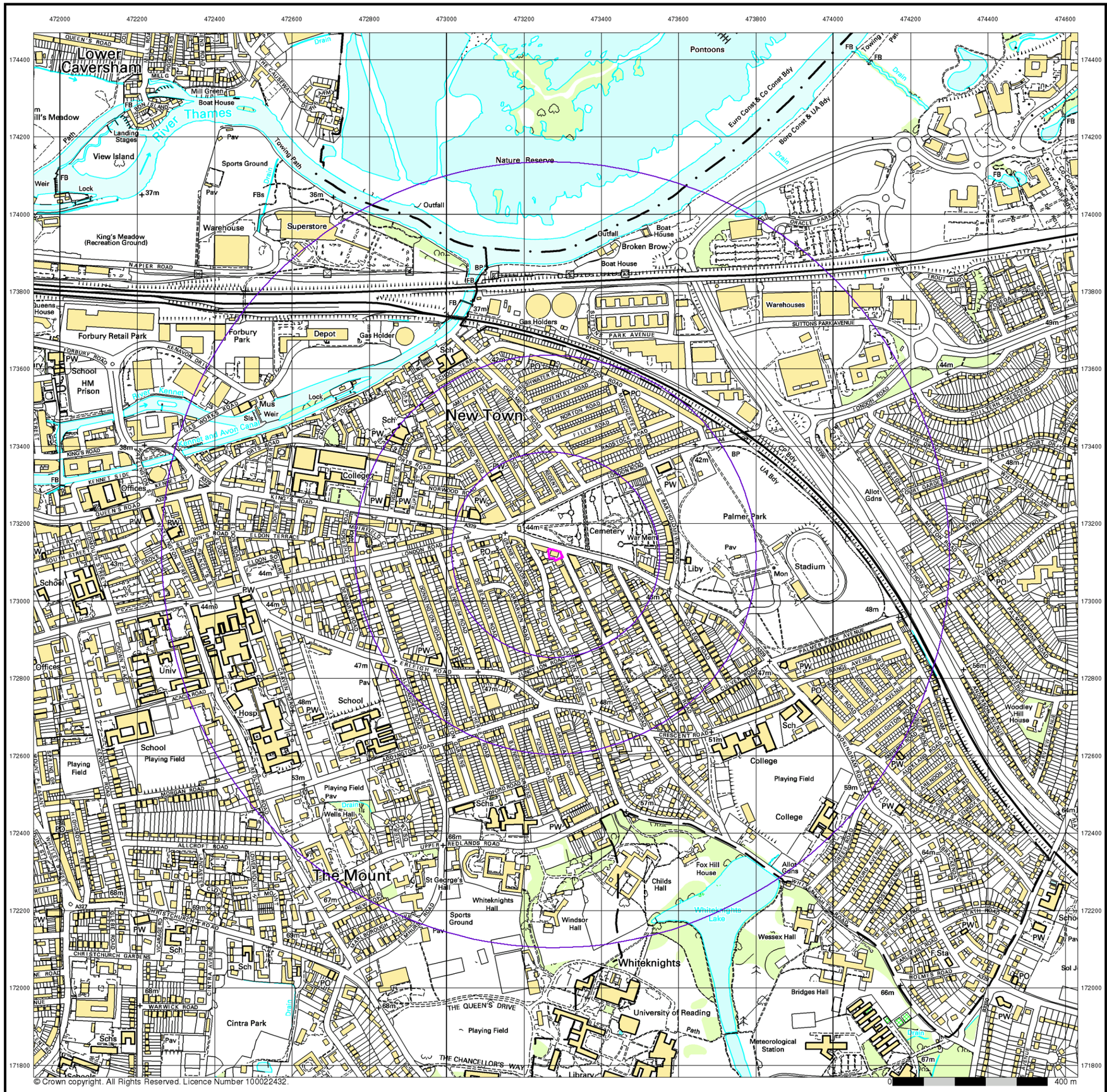
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10k Raster Mapping

Published 1999

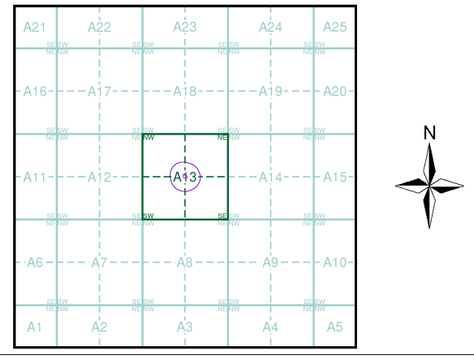
Source map scale - 1:10,000

The historical maps shown were produced from the Ordnance Survey`s 1:10,000 colour raster mapping. These maps are derived from Landplan which replaced the old 1:10,000 maps originally published in 1970. The data is highly detailed showing buildings, fences and field boundaries as well as all roads, tracks and paths. Road names are also included together with the relevant road number and classification. Boundary information depiction includes county, unitary authority, district, civil parish and constituency.

Map Name(s) and Date(s)

SU77SW
1999
1:10,000

Historical Map - Slice A



Order Details

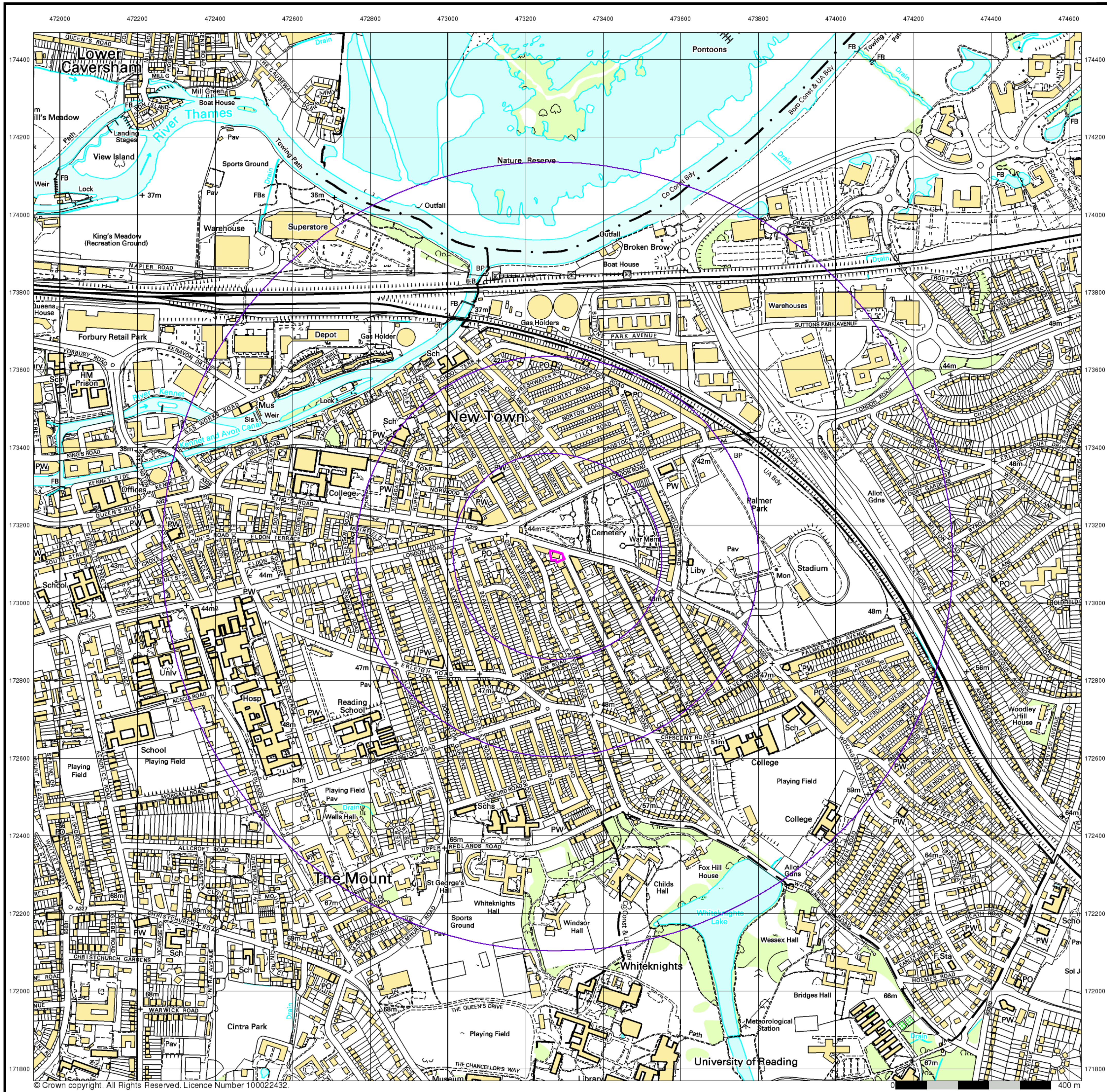
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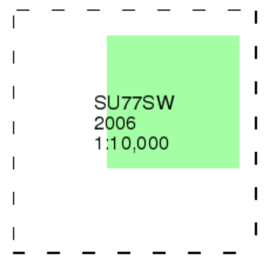
10k Raster Mapping

Published 2006

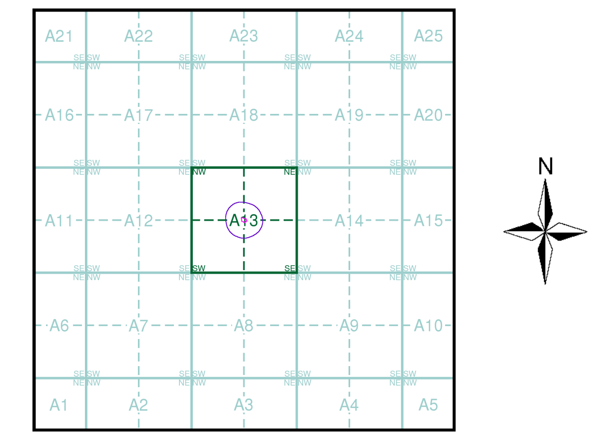
Source map scale - 1:10,000

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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 153508705_1_1
Customer Ref: 4008
National Grid Reference: 473280, 173120
Slice: A
Site Area (Ha): 0.08
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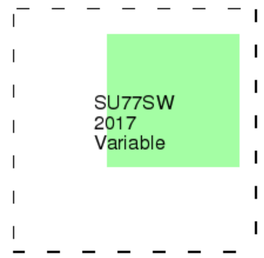
VectorMap Local

Published 2017

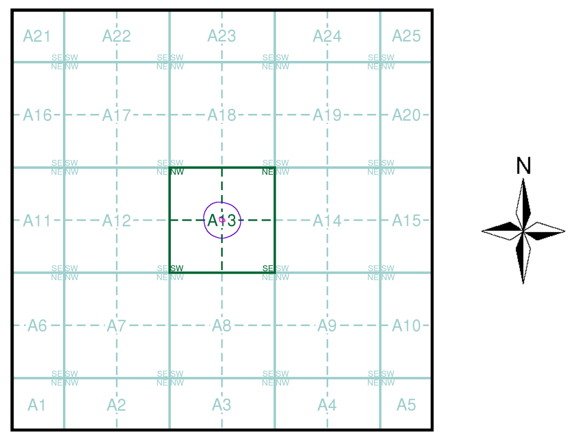
Source map scale - 1:10,000

VectorMap Local (Raster) is Ordnance Survey's highest detailed 'backdrop' mapping product. These maps are produced from OS's VectorMap Local, a simple vector dataset at a nominal scale of 1:10,000, covering the whole of Great Britain, that has been designed for creating graphical mapping. OS VectorMap Local is derived from large-scale information surveyed at 1:1250 scale (covering major towns and cities),1:2500 scale (smaller towns, villages and developed rural areas), and 1:10 000 scale (mountain, moorland and river estuary areas).

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

Order Number: 153508705_1_1
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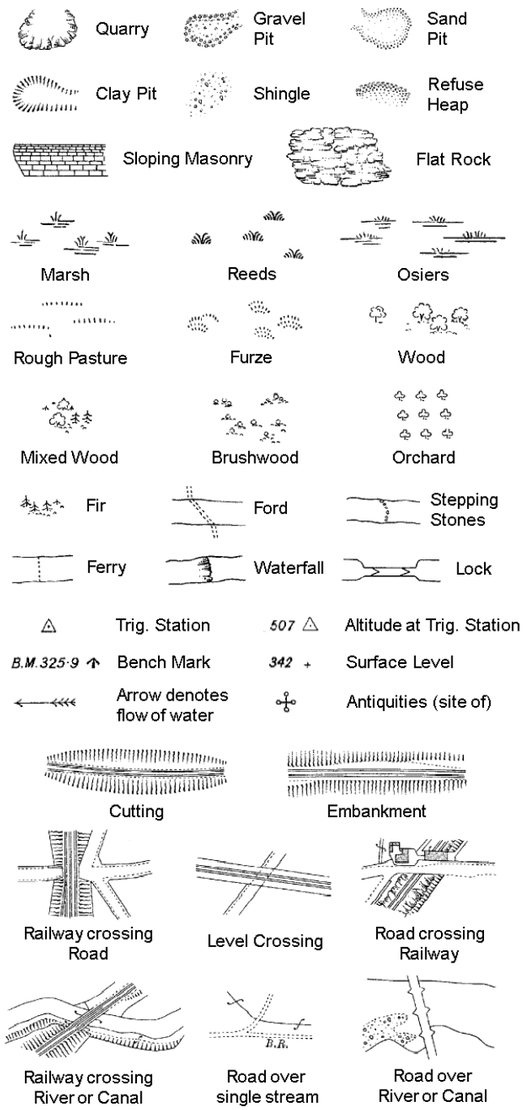
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Historical Mapping Legends

Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



County Boundary (Geographical)

County & Civil Parish Boundary

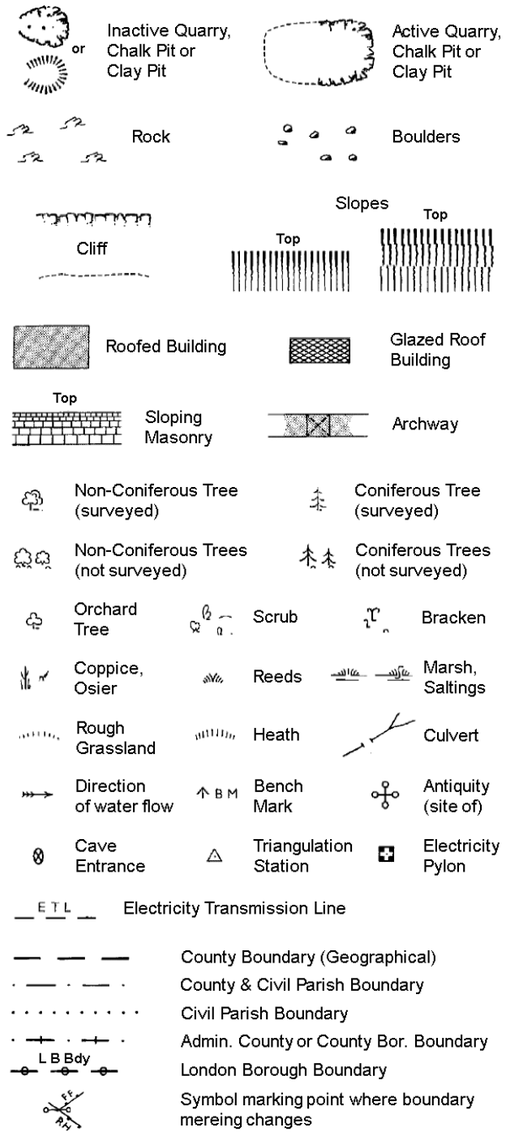
Administrative County & Civil Parish Boundary

Co. Boro. Bdy. County Borough Boundary (England)

Co. Burgh Bdy. County Burgh Boundary (Scotland)

B P B S	Boundary Post or Stone	P.C.B	Police Call Box
B.R.	Bridle Road	P	Pump
E.P	Electricity Pylon	S.P	Signal Post
F.B.	Foot Bridge	St.	Sluice
F.P.	Foot Path	Sp.	Spring
G.P	Guide Post or Board	T.C.B	Telephone Call Box
M.S	Mile Stone	Tr.	Trough
M.P M.R	Mooring Post or Ring	W	Well

Ordnance Survey Plan, Additional SIMs and Supply of Unpublished Survey Information 1:2,500 and 1:1,250



County Boundary (Geographical)

County & Civil Parish Boundary

Civil Parish Boundary

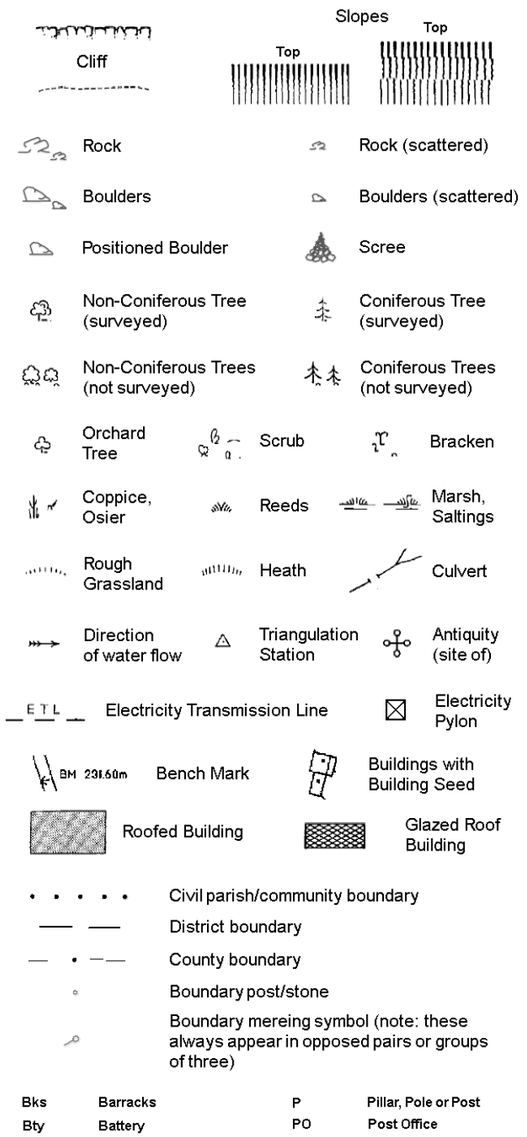
Admin. County or County Bor. Boundary

L B Bdy London Borough Boundary

Symbol marking point where boundary mereing changes

BH	Beer House	P	Pillar, Pole or Post
BP, BS	Boundary Post or Stone	PO	Post Office
Cn, C	Capstan, Crane	PC	Public Convenience
Chy	Chimney	PH	Public House
D Fn	Drinking Fountain	Pp	Pump
El P	Electricity Pillar or Post	SB, S Br	Signal Box or Bridge
FAP	Fire Alarm Pillar	SP, SL	Signal Post or Light
FB	Foot Bridge	Spr	Spring
GP	Guide Post	Tk	Tank or Track
H	Hydrant or Hydraulic	TCB	Telephone Call Box
LC	Level Crossing	TCP	Telephone Call Post
MH	Manhole	Tr	Trough
MP	Mile Post or Mooring Post	Wr Pt, Wr T	Water Point, Water Tap
MS	Mile Stone	W	Well
NTL	Normal Tidal Limit	Wd Pp	Wind Pump

Large-Scale National Grid Data 1:2,500 and 1:1,250



Civil parish/community boundary

District boundary

County boundary

Boundary post/stone

Boundary mereing symbol (note: these always appear in opposed pairs or groups of three)

Bks	Barracks	P	Pillar, Pole or Post
Bty	Battery	PO	Post Office
Cemy	Cemetery	PC	Public Convenience
Chy	Chimney	Pp	Pump
Cis	Cistern	Ppg Sta	Pumping Station
Dismtd Rly	Dismantled Railway	PW	Place of Worship
El Gen Sta	Electricity Generating Station	Sewage Ppg Sta	Sewage Pumping Station
El P	Electricity Pole, Pillar	SB, S Br	Signal Box or Bridge
El Sub Sta	Electricity Sub Station	SP, SL	Signal Post or Light
FB	Filter Bed	Spr	Spring
Fn / D Fn	Fountain / Drinking Ftn.	Tk	Tank or Track
Gas Gov	Gas Valve Compound	Tr	Trough
GVC	Gas Governer	Wd Pp	Wind Pump
GP	Guide Post	Wr Pt, Wr T	Water Point, Water Tap
MH	Manhole	Wks	Works (building or area)
MP, MS	Mile Post or Mile Stone	W	Well

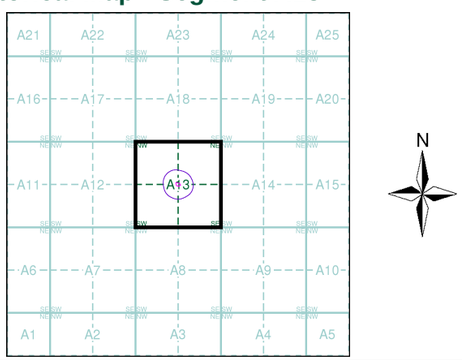
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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Berkshire	1:2,500	1879	2
Berkshire	1:2,500	1899	3
Berkshire	1:2,500	1912	4
Berkshire	1:2,500	1934	5
Ordnance Survey Plan	1:1,250	1957 - 1958	6
Additional SIMs	1:1,250	1957 - 1990	7
Ordnance Survey Plan	1:2,500	1958	8
Additional SIMs	1:2,500	1959	9
Ordnance Survey Plan	1:1,250	1966 - 1974	10
Supply of Unpublished Survey Information	1:1,250	1974	11
Additional SIMs	1:1,250	1980	12
Additional SIMs	1:1,250	1983	13
Ordnance Survey Plan	1:1,250	1986	14
Additional SIMs	1:1,250	1986	15
Large-Scale National Grid Data	1:1,250	1993	16
Large-Scale National Grid Data	1:1,250	1996	17
Historical Aerial Photography	1:2,500	1999	18

Historical Map - Segment A13



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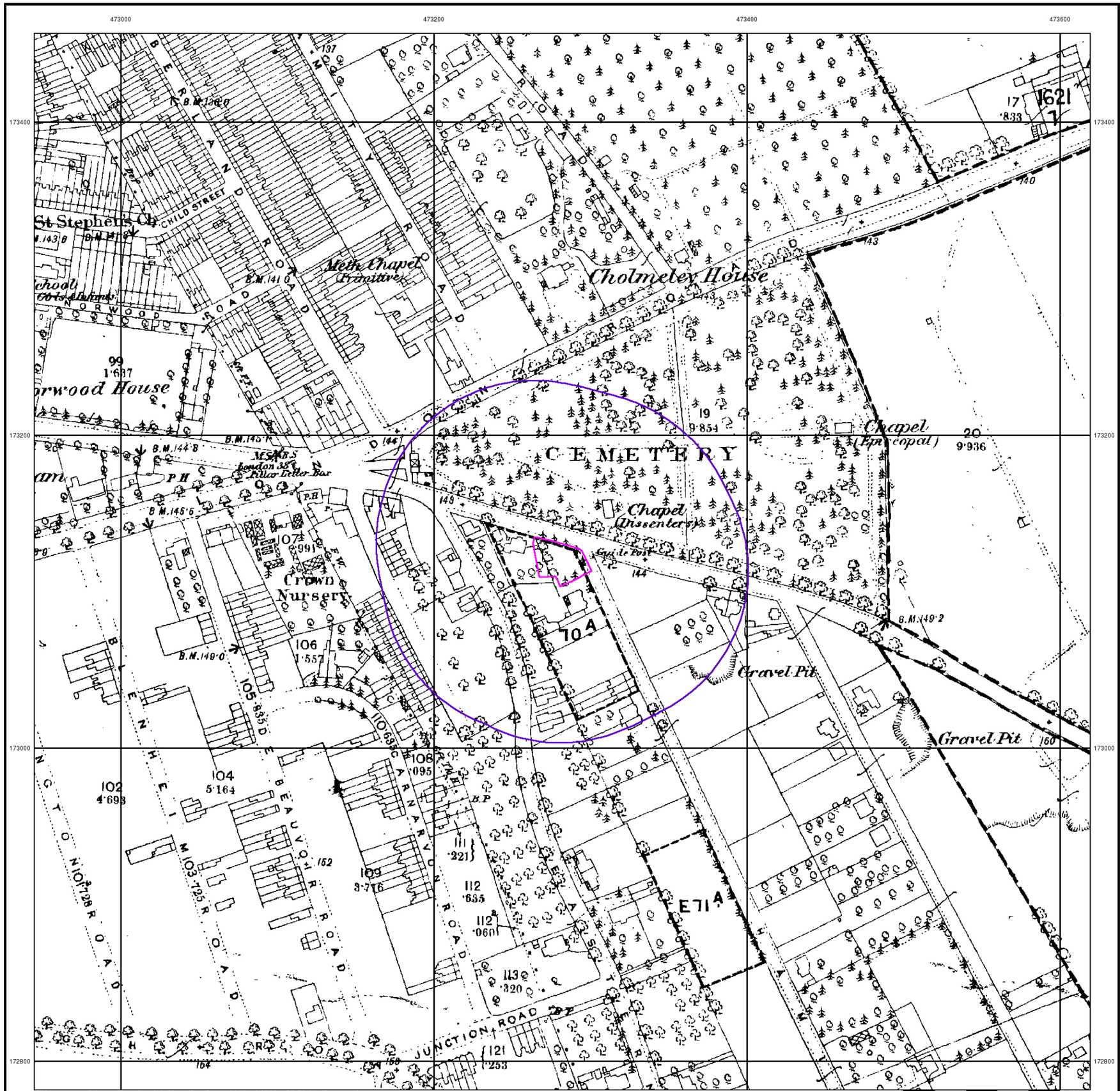
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Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	100

Site Details

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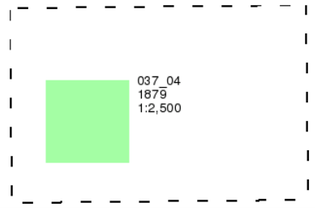
Berkshire

Published 1879

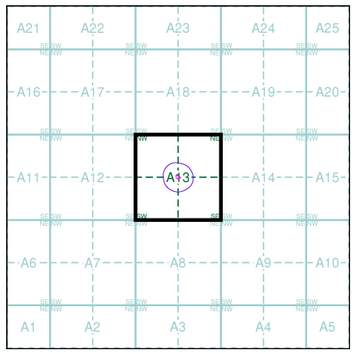
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

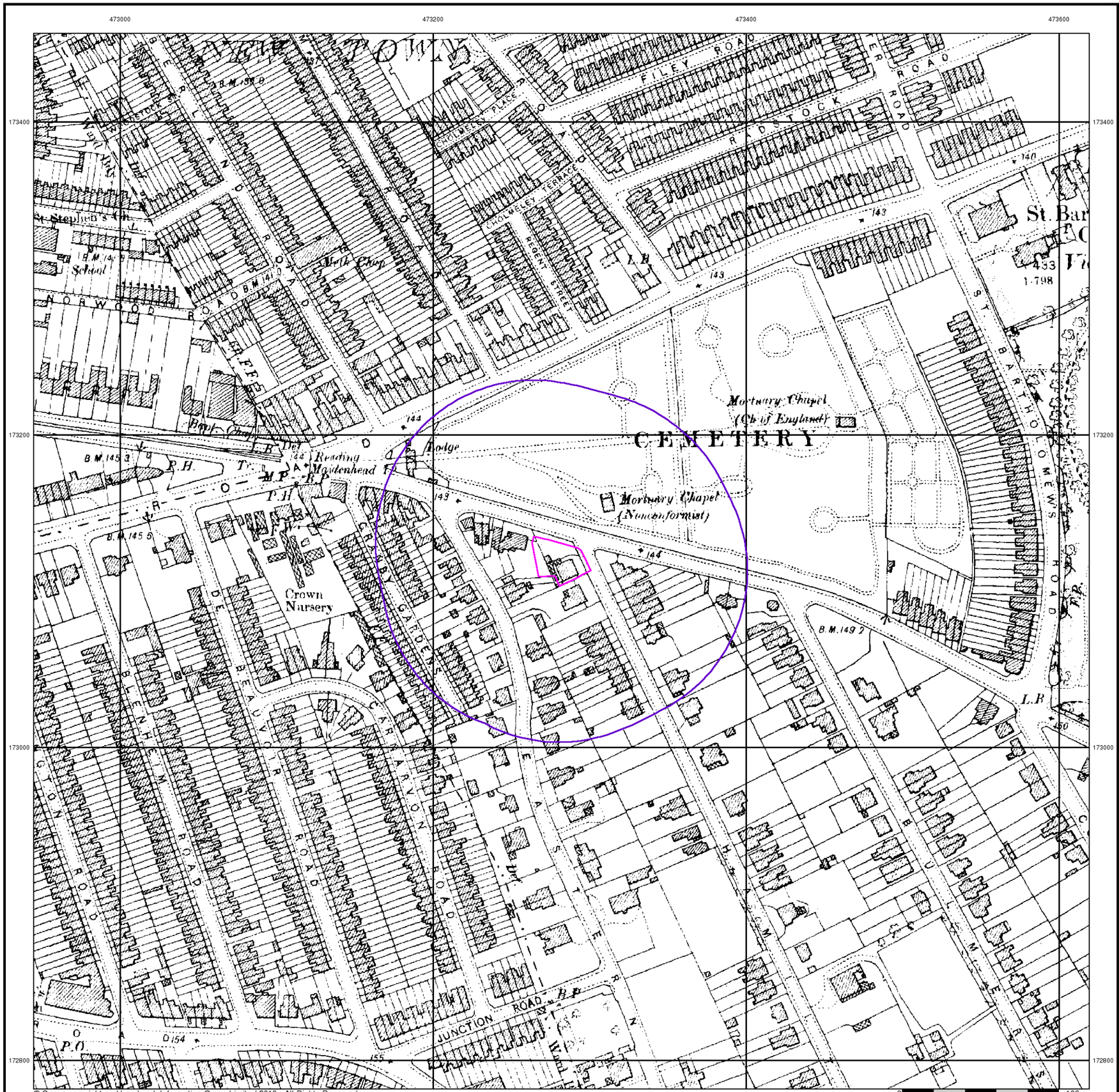
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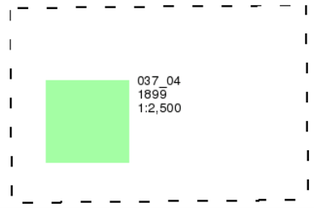
Berkshire

Published 1899

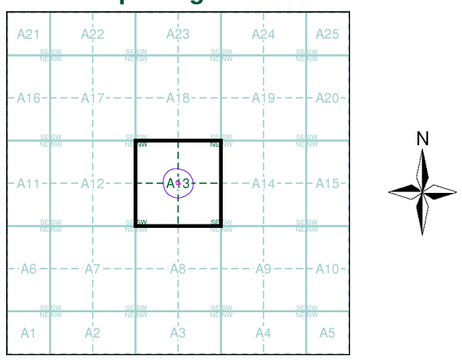
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

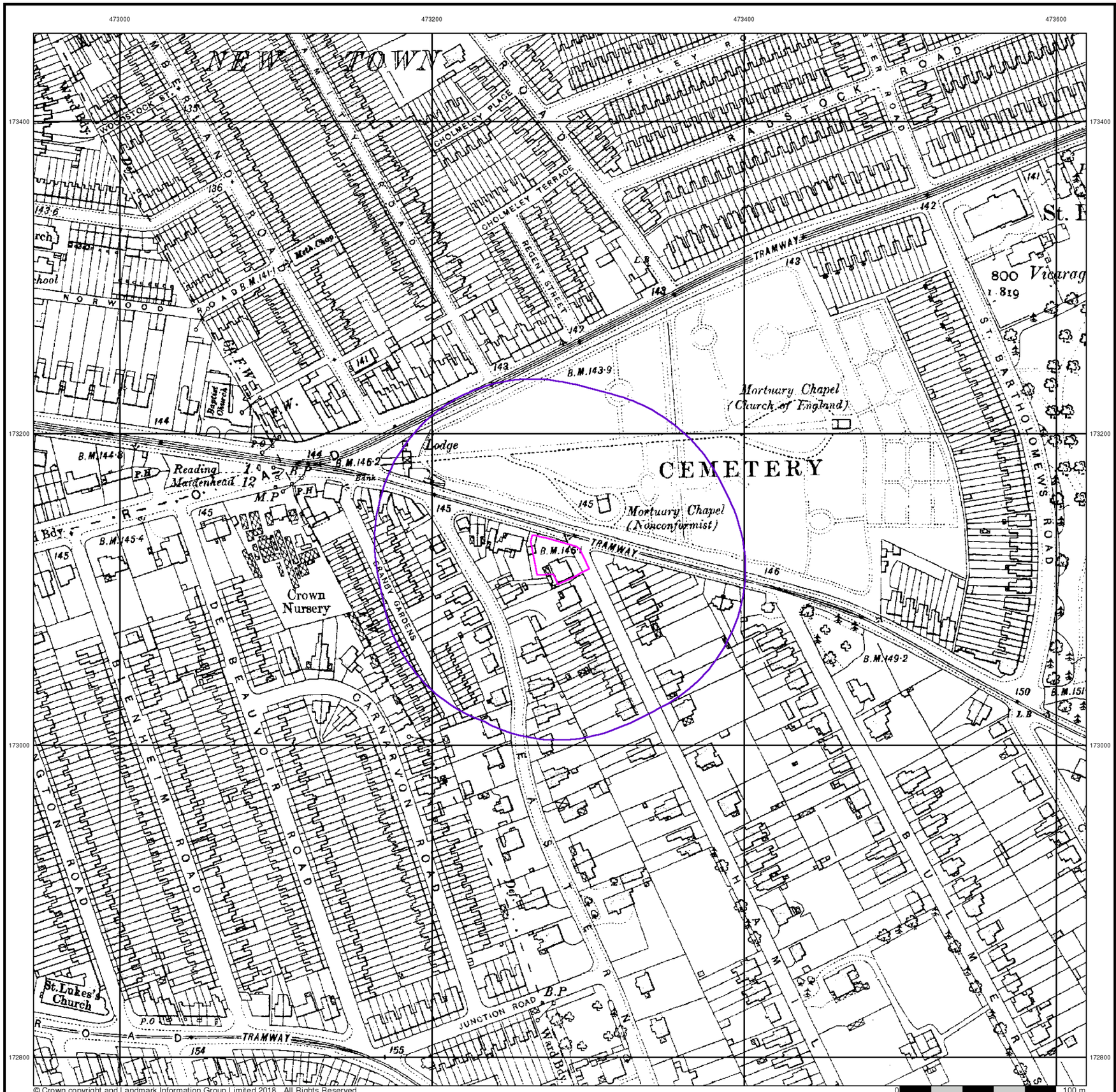
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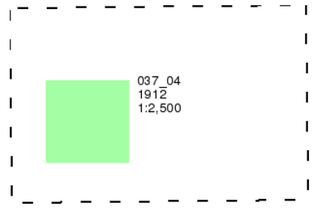
Berkshire

Published 1912

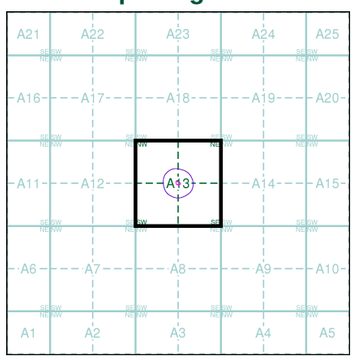
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Map Name(s) and Date(s)



Historical Map - Segment A13



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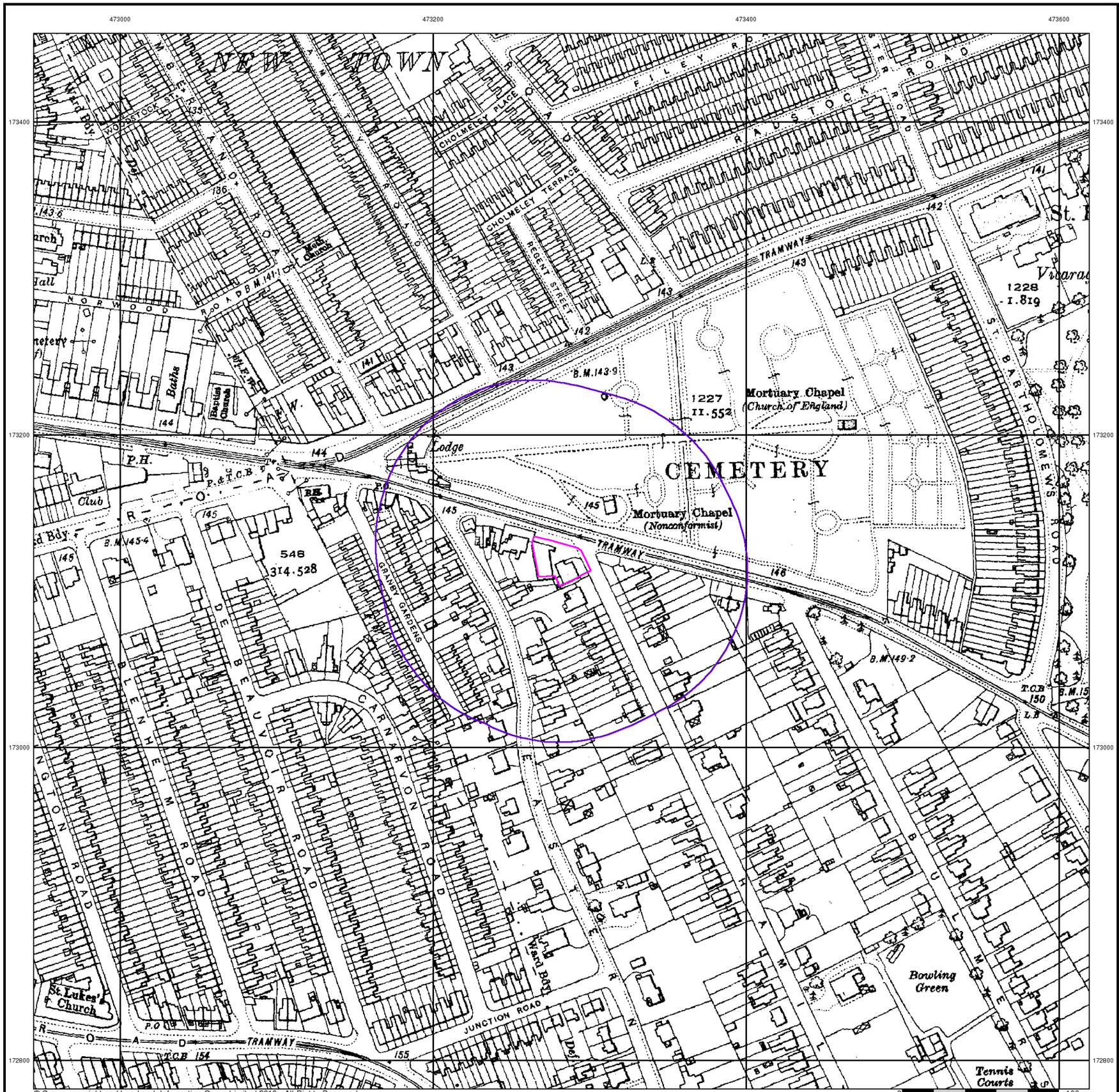
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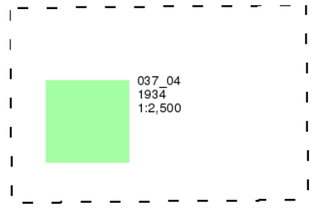
Berkshire

Published 1934

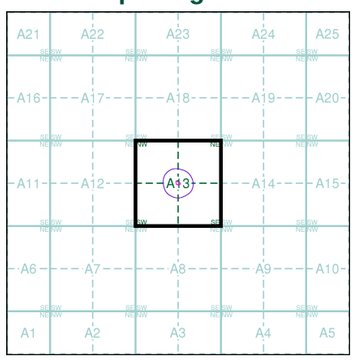
Source map scale - 1:2,500

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

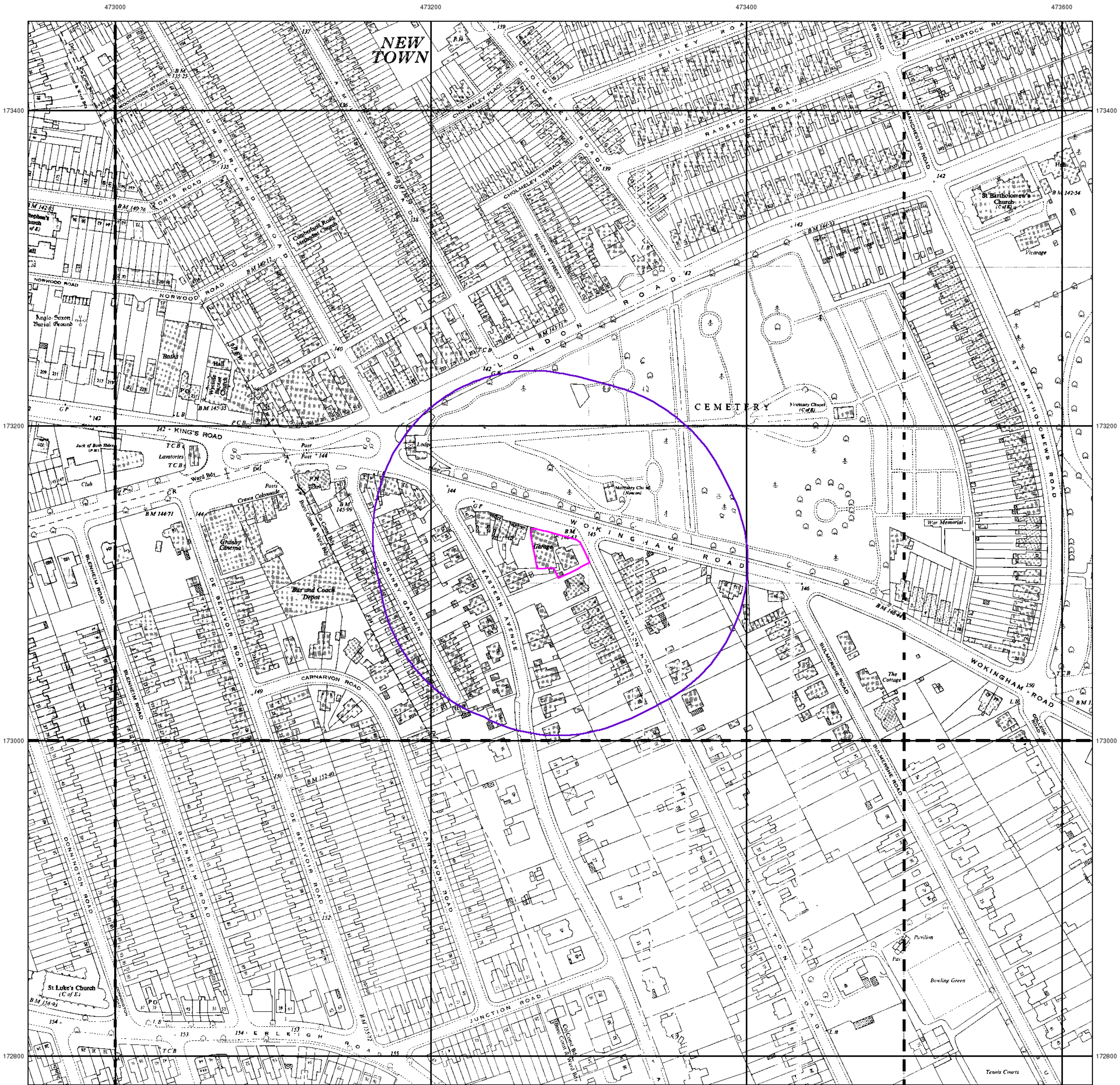
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Search Buffer (m):	100

Site Details

28, Wokingham Road, READING, RG6 1JQ

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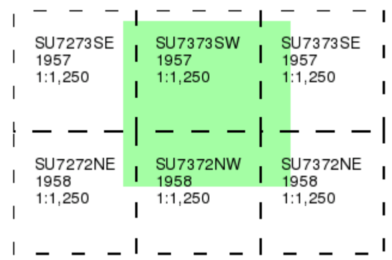
Ordnance Survey Plan

Published 1957 - 1958

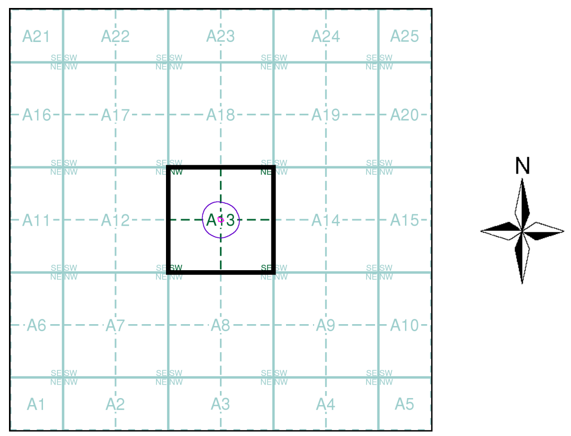
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

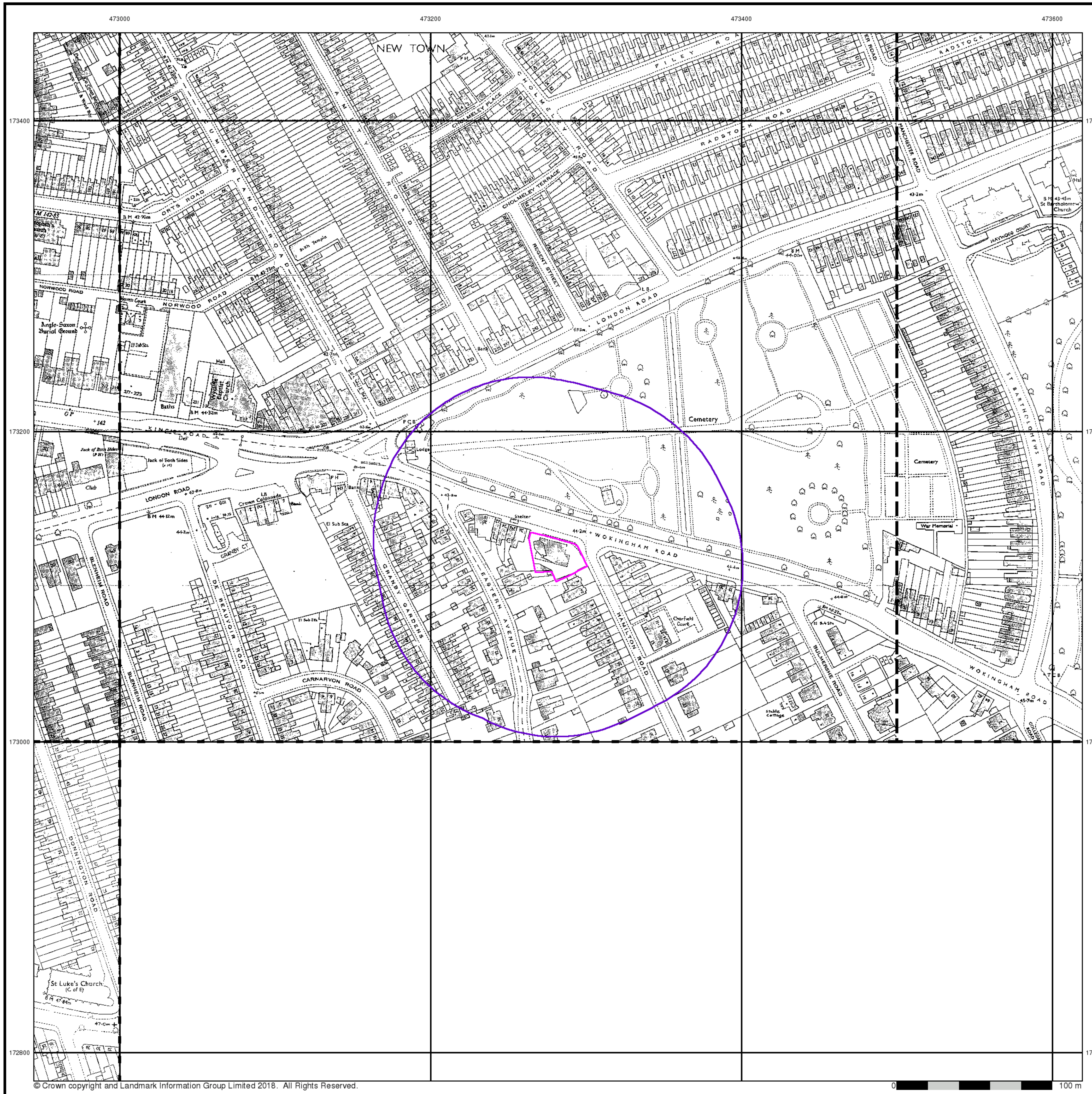
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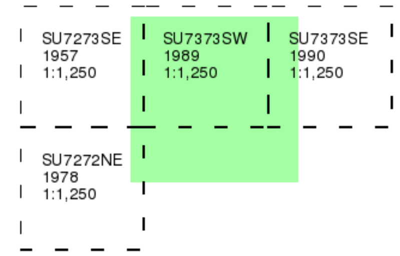
Additional SIMs

Published 1957 - 1990

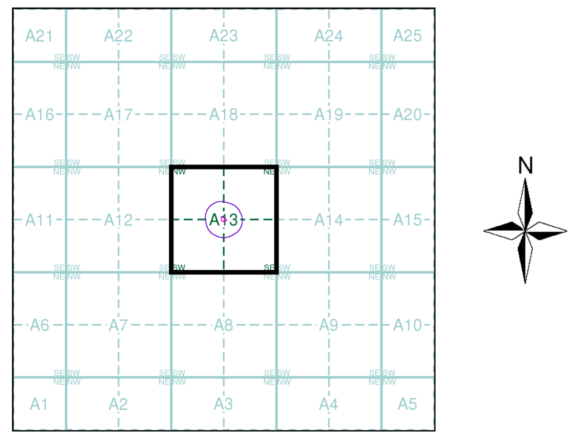
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13

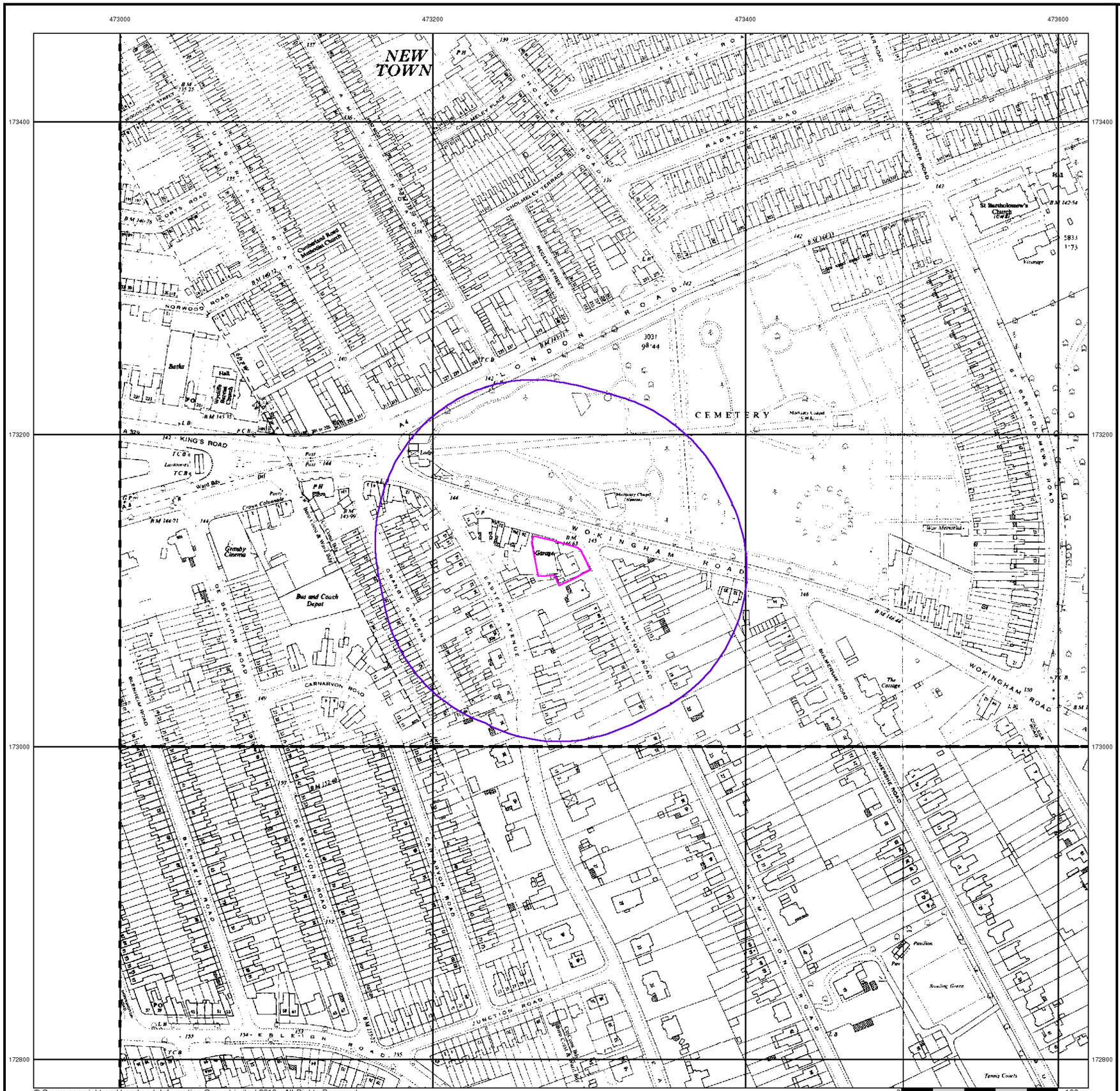


Order Details

Order Number:	153508705_1_1
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Search Buffer (m):	100

Site Details

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Ordnance Survey Plan

Published 1958

Source map scale - 1:2,500

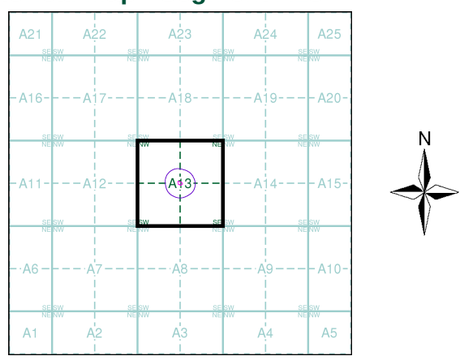
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SU7373
1958
1:2,500

SU7372
1958
1:2,500

Historical Map - Segment A13



Order Details

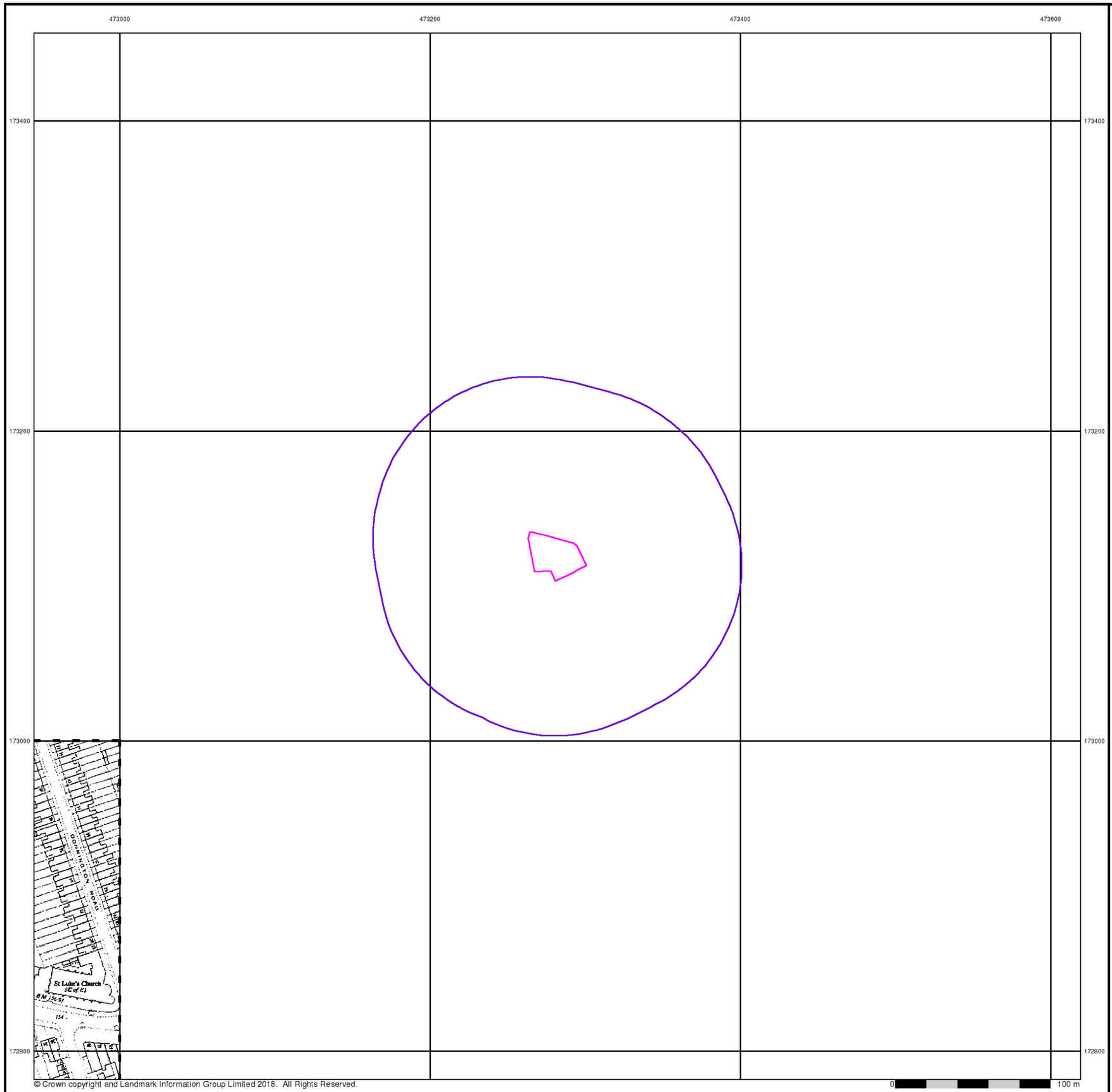
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Search Buffer (m):	100

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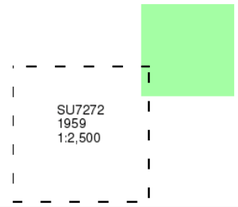
Additional SIMs

Published 1959

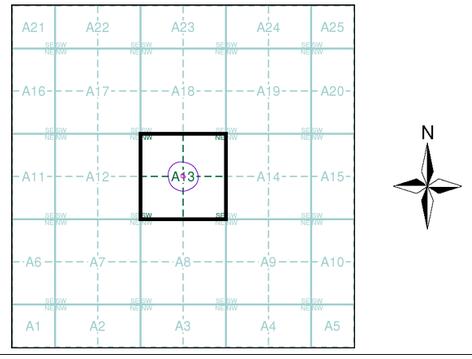
Source map scale - 1:2,500

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

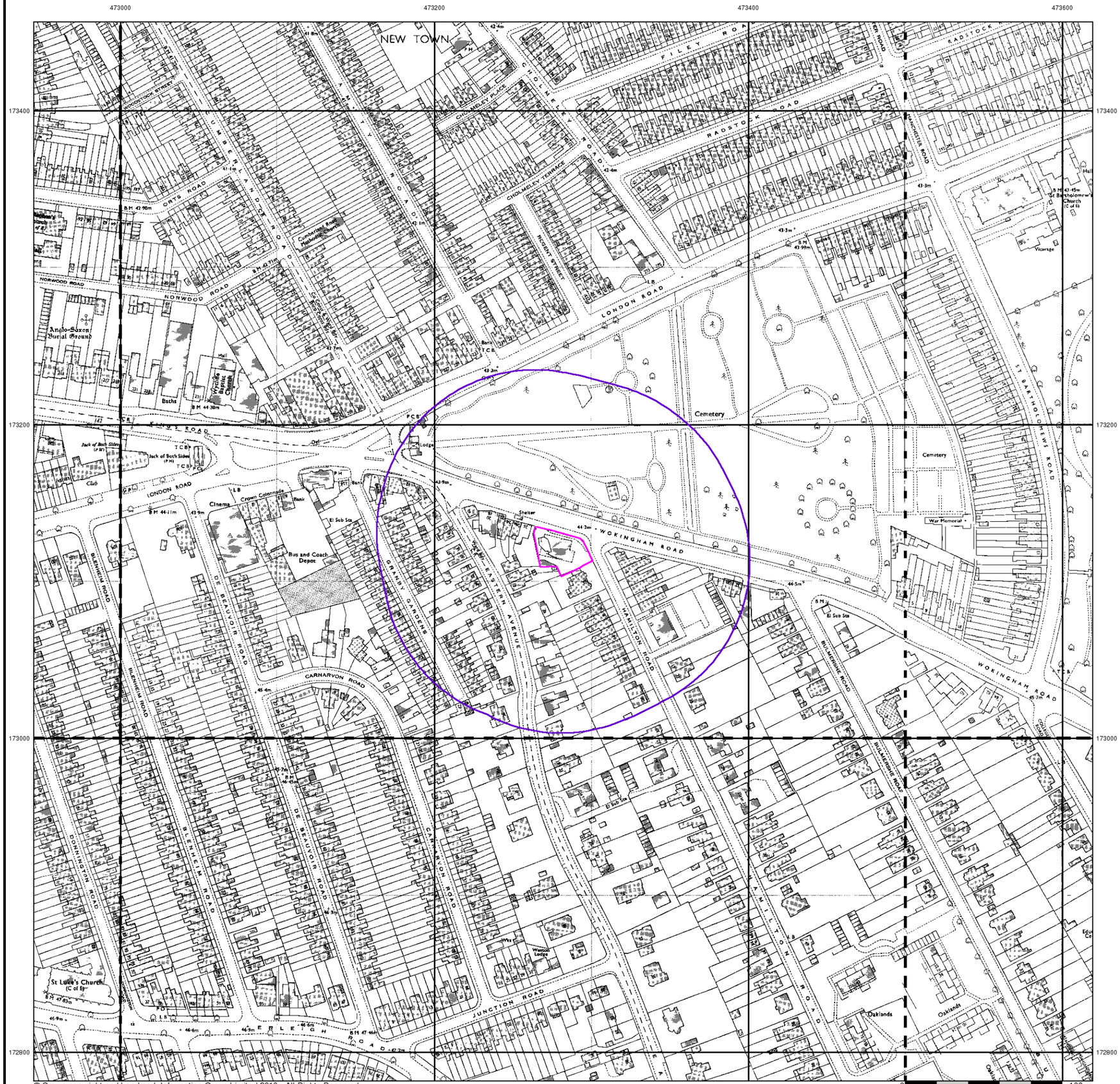
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Ordnance Survey Plan

Published 1966 - 1974

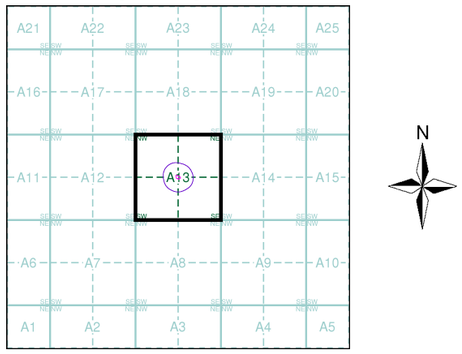
Source map scale - 1:1,250

The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840`s. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. The published date given below is often some years later than the surveyed date. Before 1938, all OS maps were based on the Cassini Projection, with independent surveys of a single county or group of counties, giving rise to significant inaccuracies in outlying areas.

Map Name(s) and Date(s)

SU7273SE 1966 1:1,250	SU7373SW 1974 1:1,250	SU7373SE 1974 1:1,250
SU7272NE 1972 1:1,250	SU7372NW 1973 1:1,250	SU7372NE 1971 1:1,250

Historical Map - Segment A13



Order Details

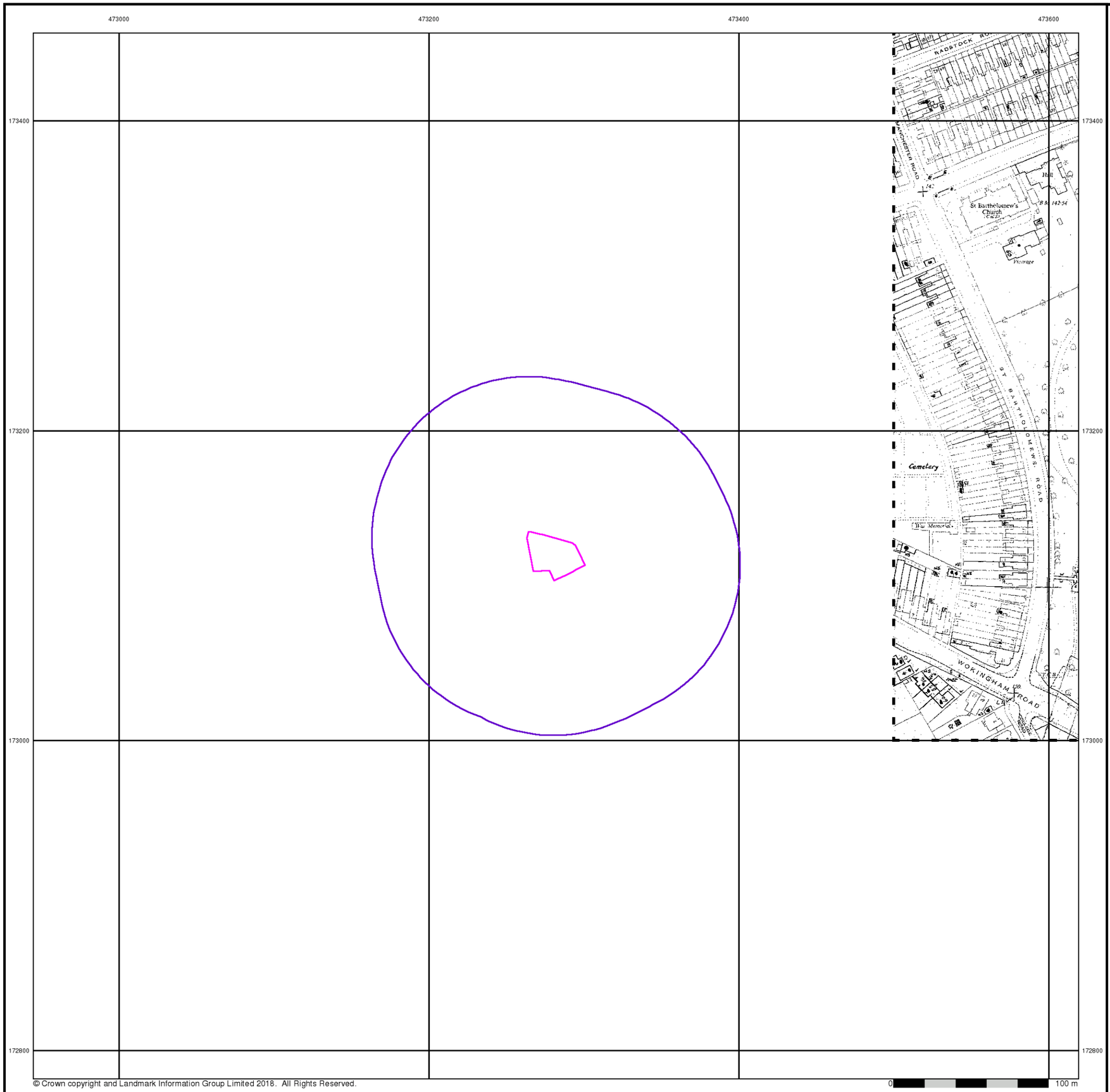
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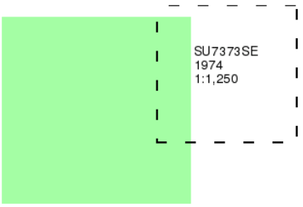
Supply of Unpublished Survey Information

Published 1974

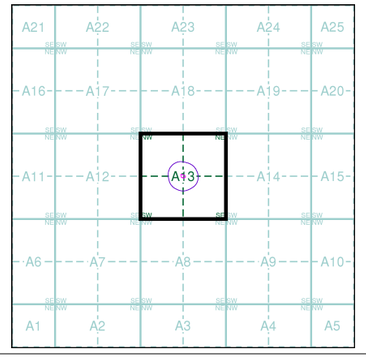
Source map scale - 1:1,250

SUSI maps (Supply of Unpublished Survey Information) were produced between 1972 and 1977, mainly for internal use at Ordnance Survey. These were more of a `work-in-progress' plan as they showed updates of individual areas on a map. These maps were unpublished, and they do not represent a single moment in time. They were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

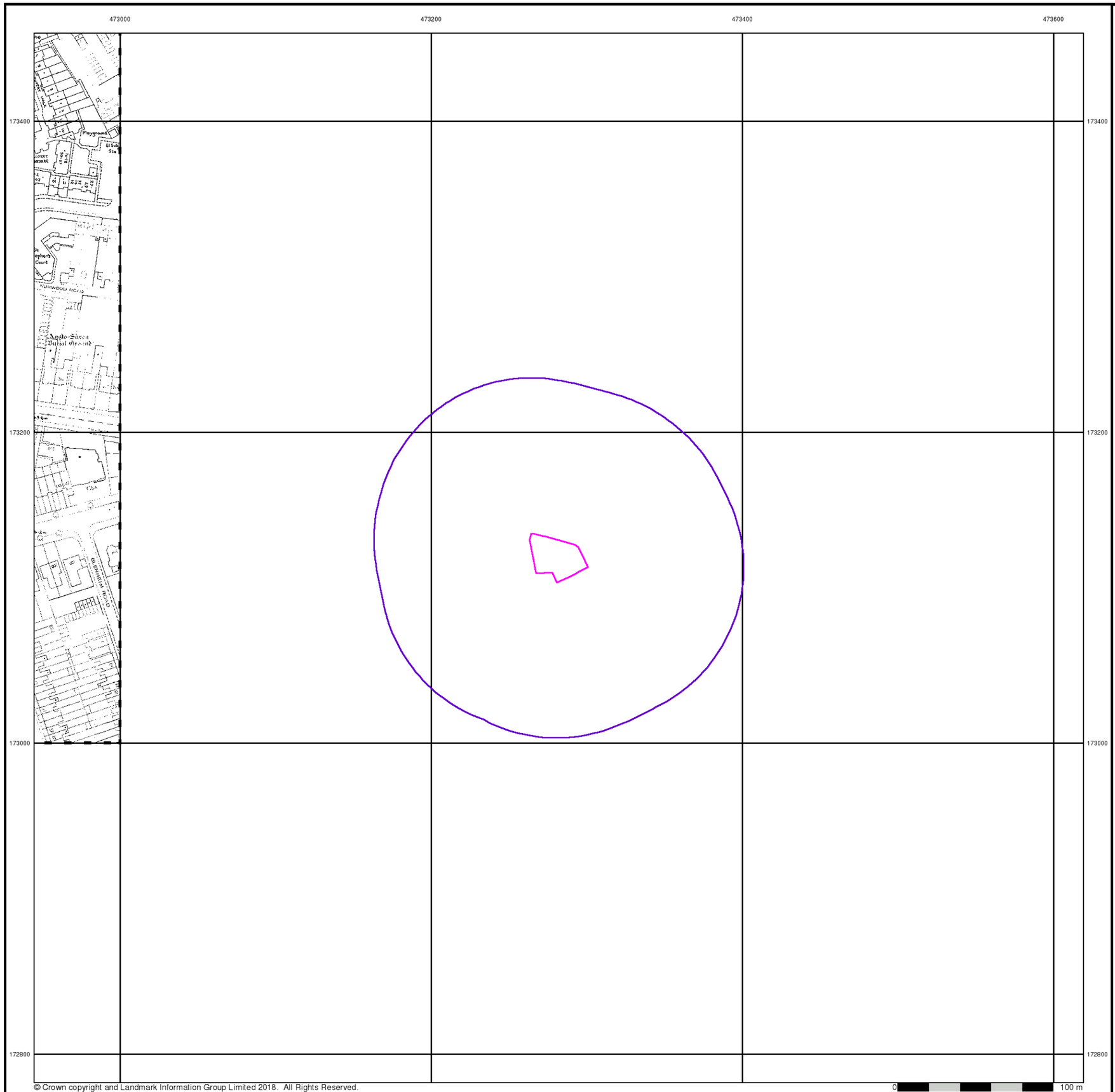
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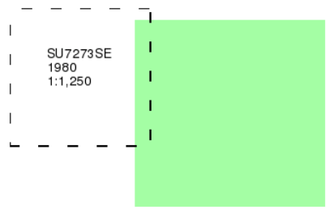
Additional SIMs

Published 1980

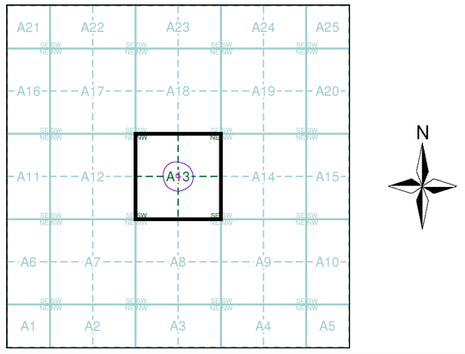
Source map scale - 1:1,250

The SIM cards (Ordnance Survey's `Survey of Information on Microfilm') are further, minor editions of mapping which were produced and published in between the main editions as an area was updated. They date from 1947 to 1994, and contain detailed information on buildings, roads and land-use. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

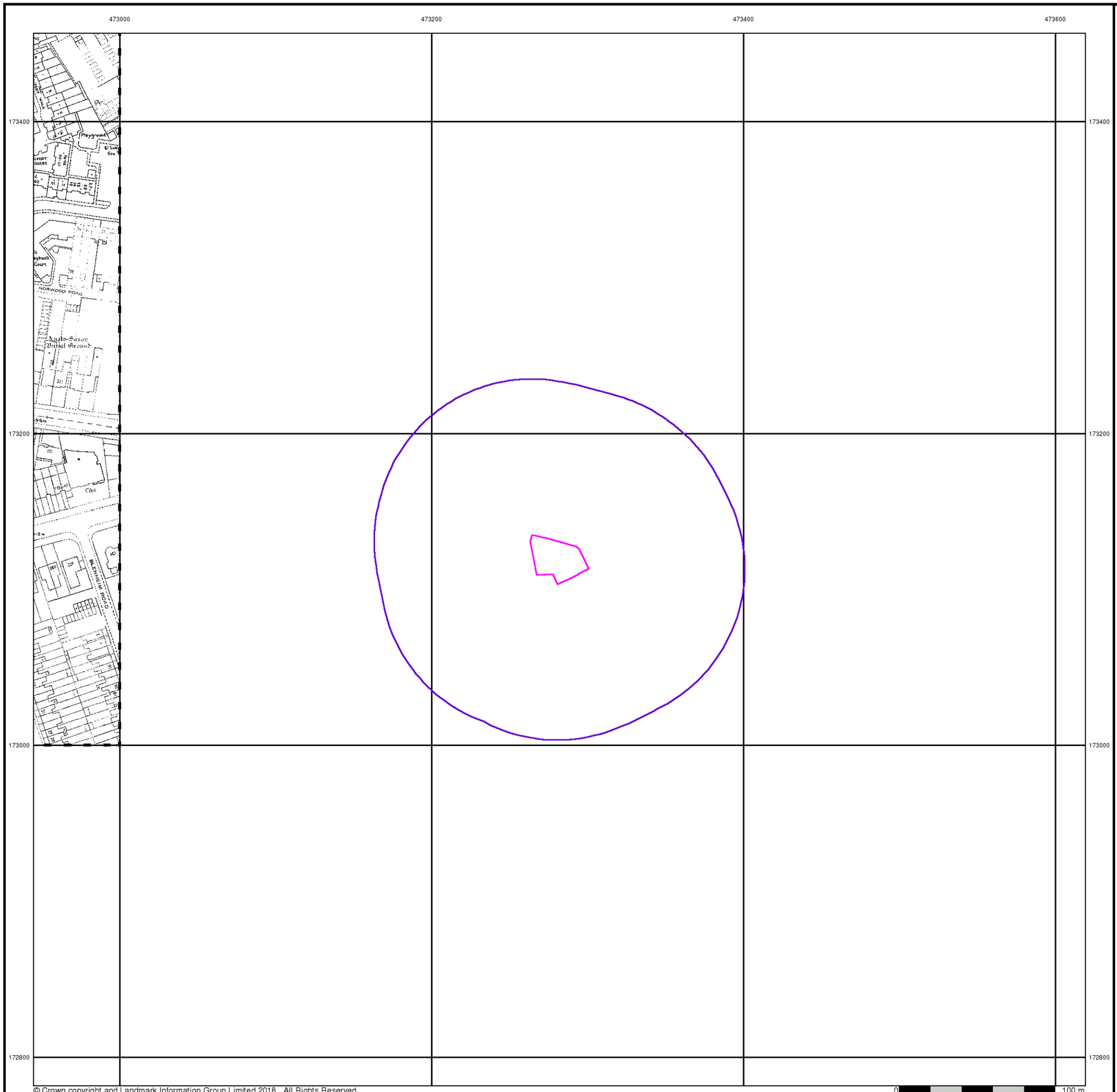
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Slice:	A
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Search Buffer (m):	100

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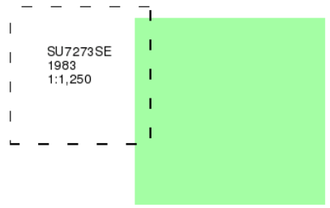
Additional SIMs

Published 1983

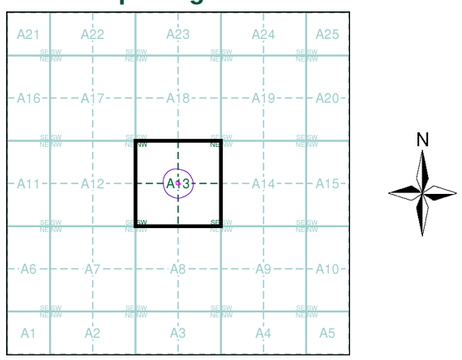
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

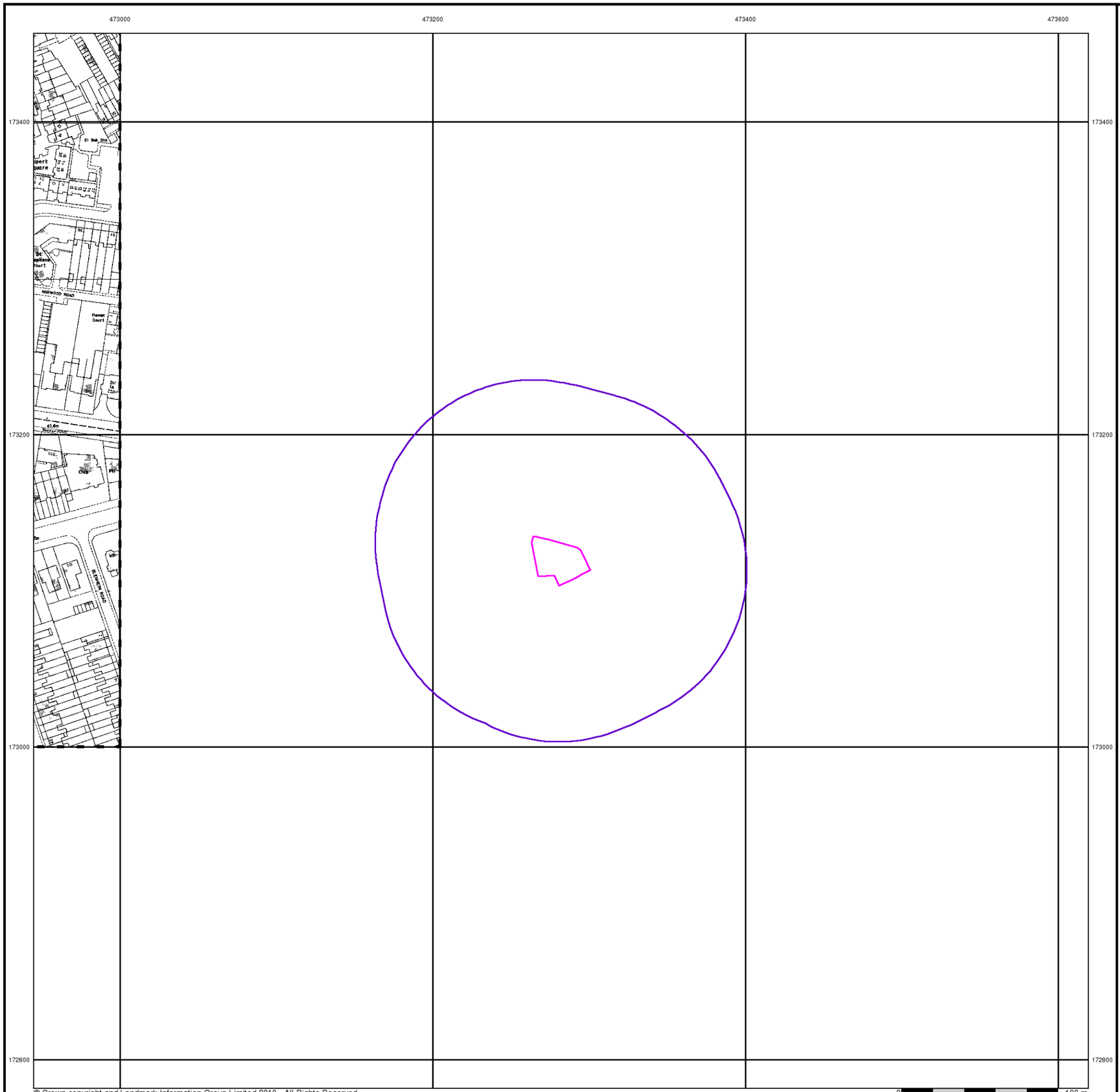
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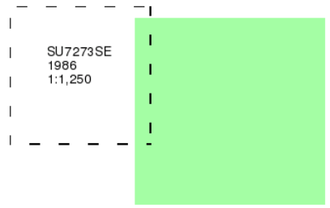
Ordnance Survey Plan

Published 1986

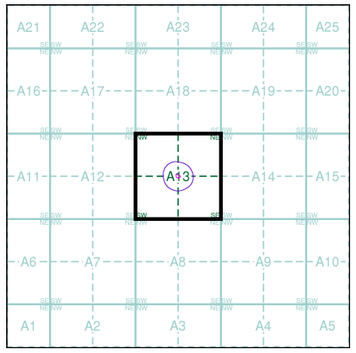
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

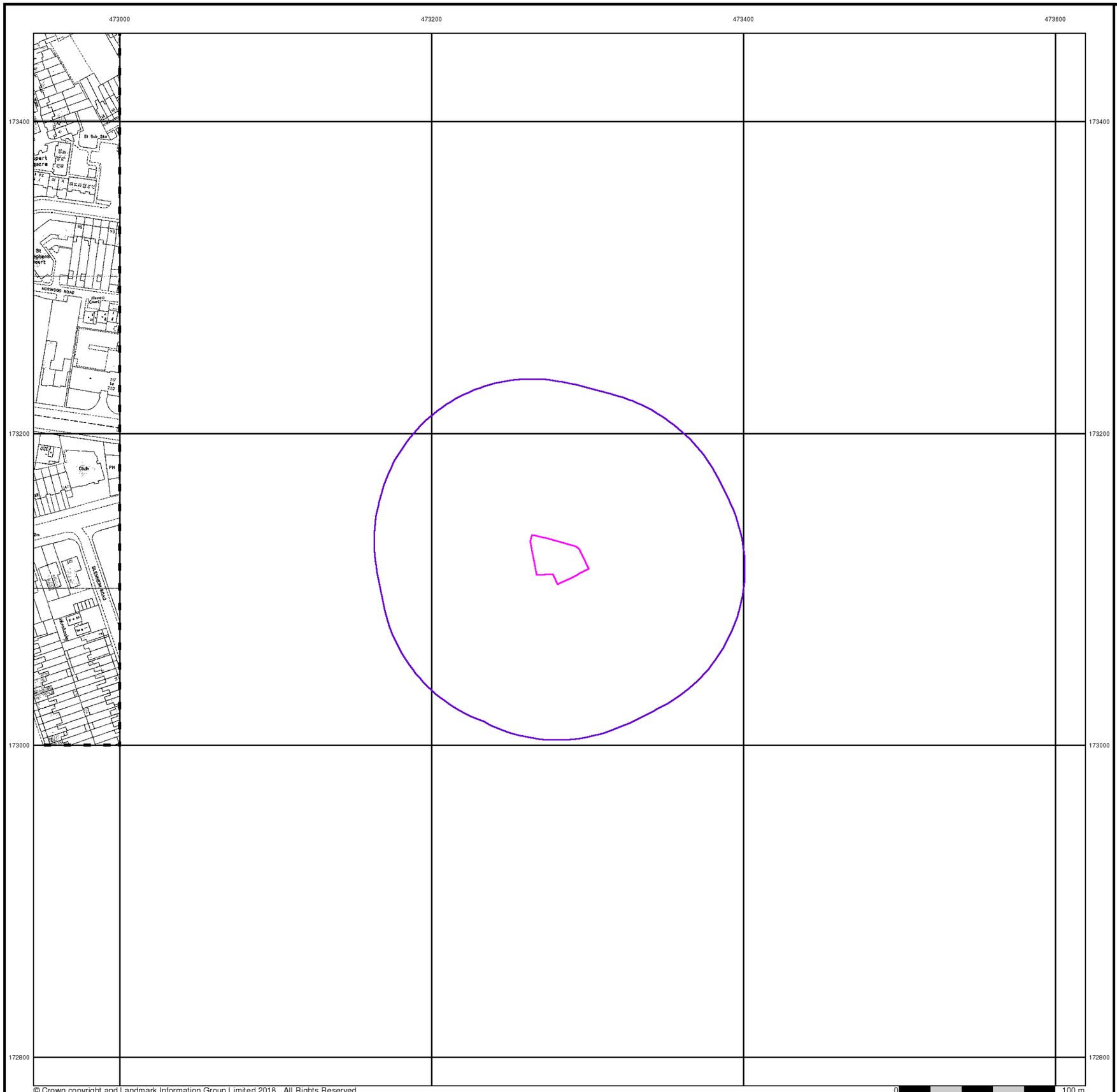
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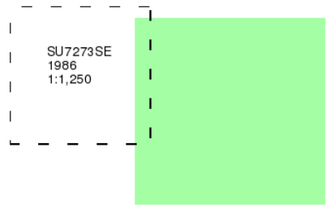
Additional SIMs

Published 1986

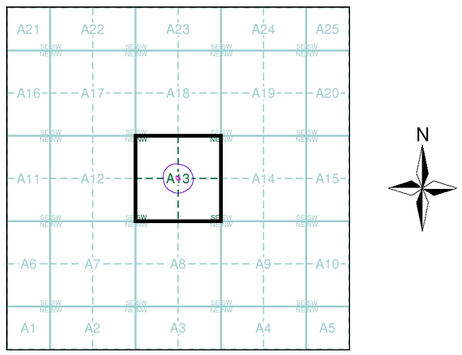
Source map scale - 1:1,250

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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

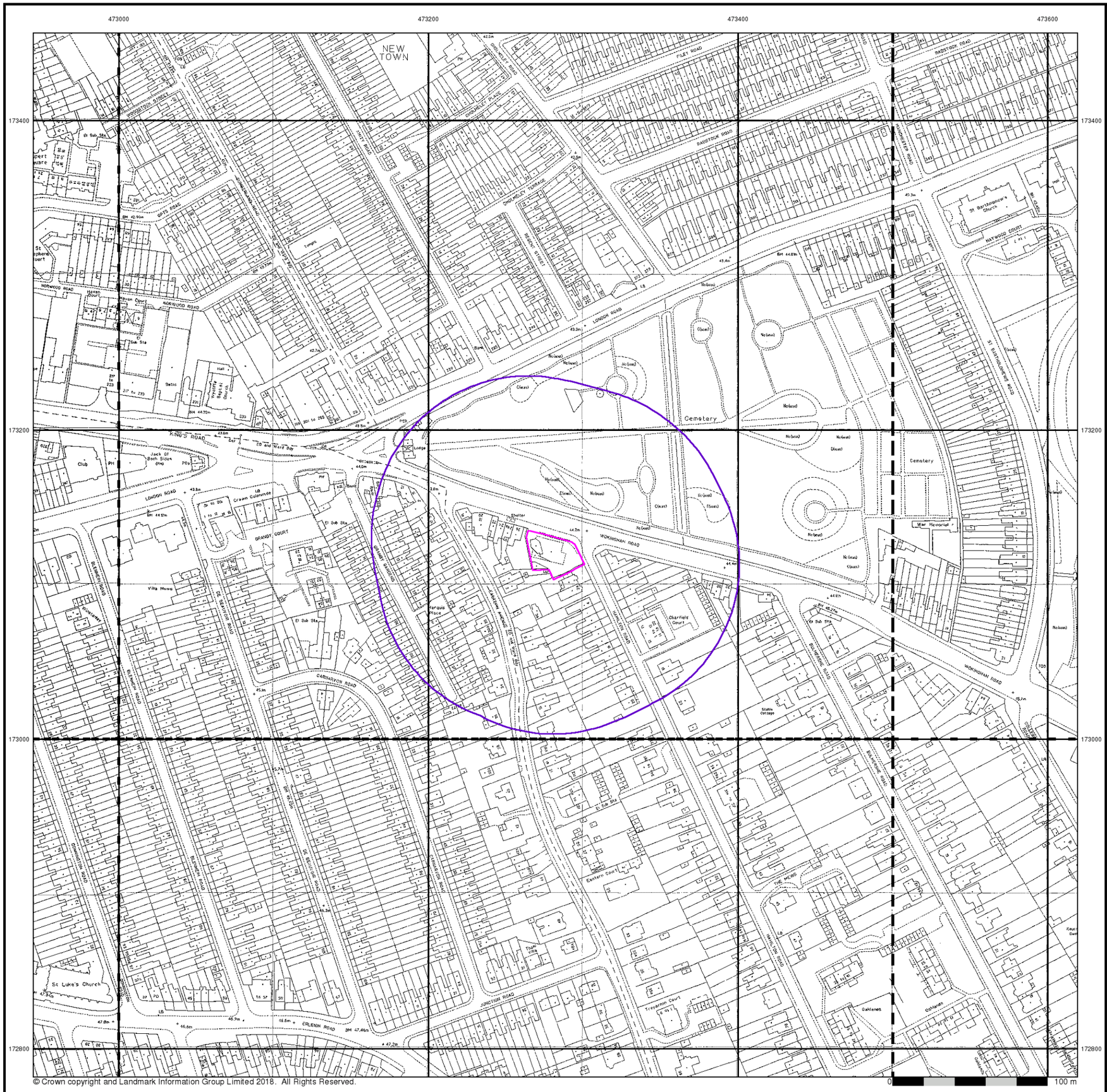
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Large-Scale National Grid Data

Published 1993

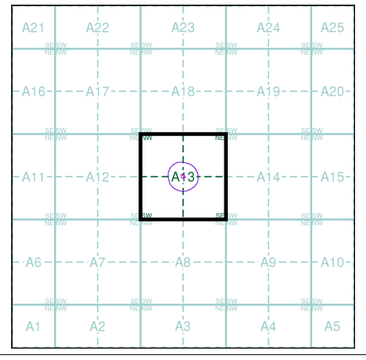
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)

SU7273SE 1993 1:1,250	SU7373SW 1993 1:1,250	SU7373SE 1993 1:1,250
SU7272NE 1993 1:1,250	SU7372NW 1993 1:1,250	SU7372NE 1993 1:1,250

Historical Map - Segment A13



Order Details

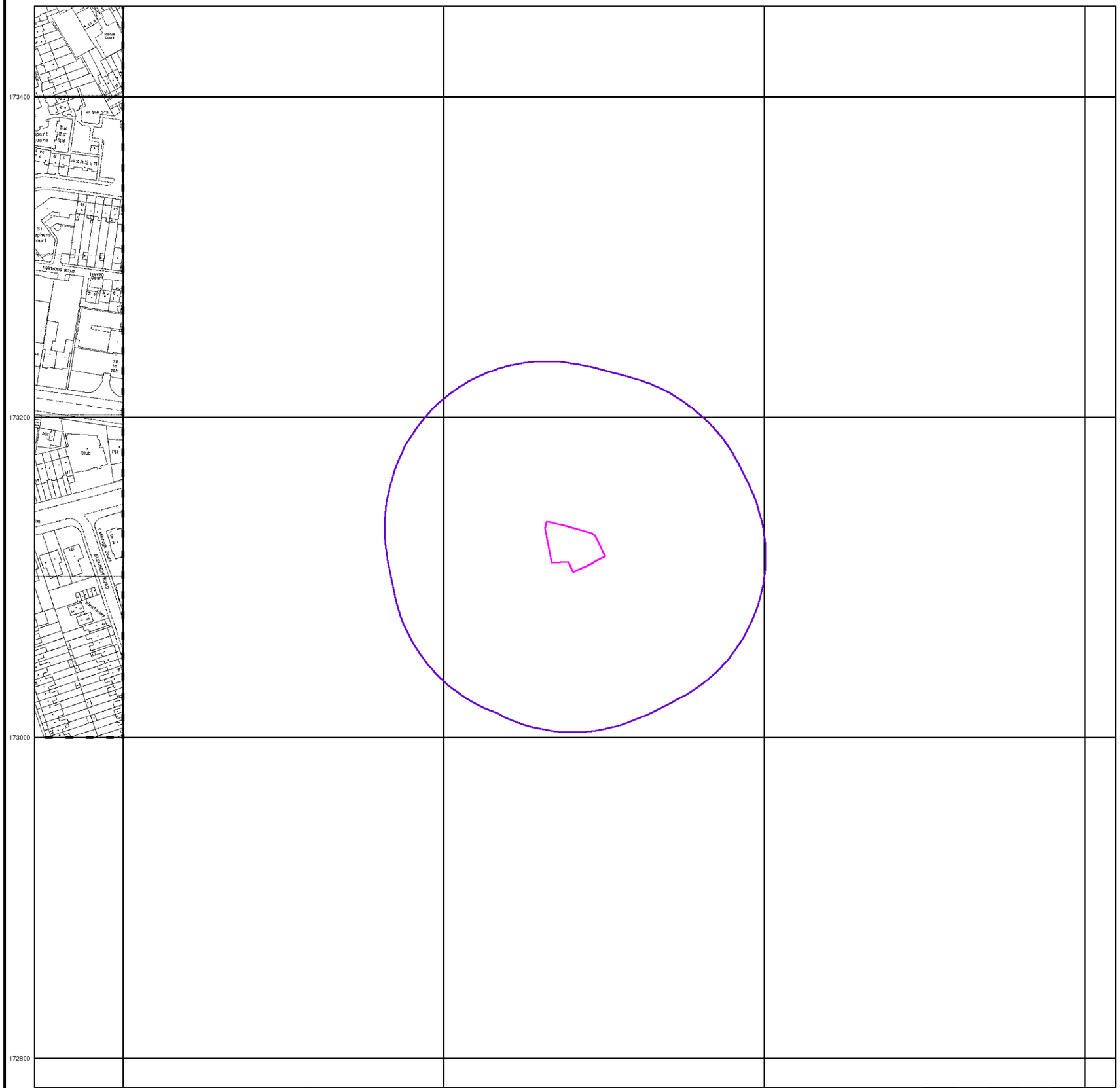
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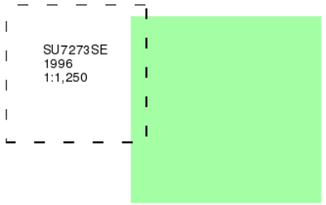
Large-Scale National Grid Data

Published 1996

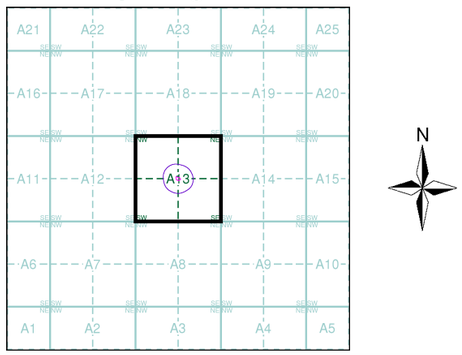
Source map scale - 1:1,250

'Large Scale National Grid Data' superseded SIM cards (Ordnance Survey's 'Survey of Information on Microfilm') in 1992, and continued to be produced until 1999. These maps were the fore-runners of digital mapping and so provide detailed information on houses and roads, but tend to show less topographic features such as vegetation. These maps were produced at both 1:2,500 and 1:1,250 scales.

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	100

Site Details

28, Wokingham Road, READING, RG6 1JQ

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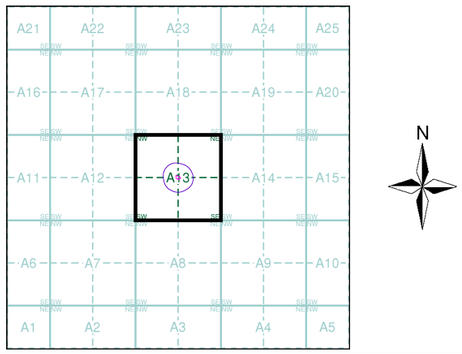


Historical Aerial Photography

Published 1999

This aerial photography was produced by Getmapping, these vertical aerial photographs provide a seamless, full colour survey of the whole of Great Britain

Historical Aerial Photography - Segment A13



Order Details

Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	100

Site Details

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PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

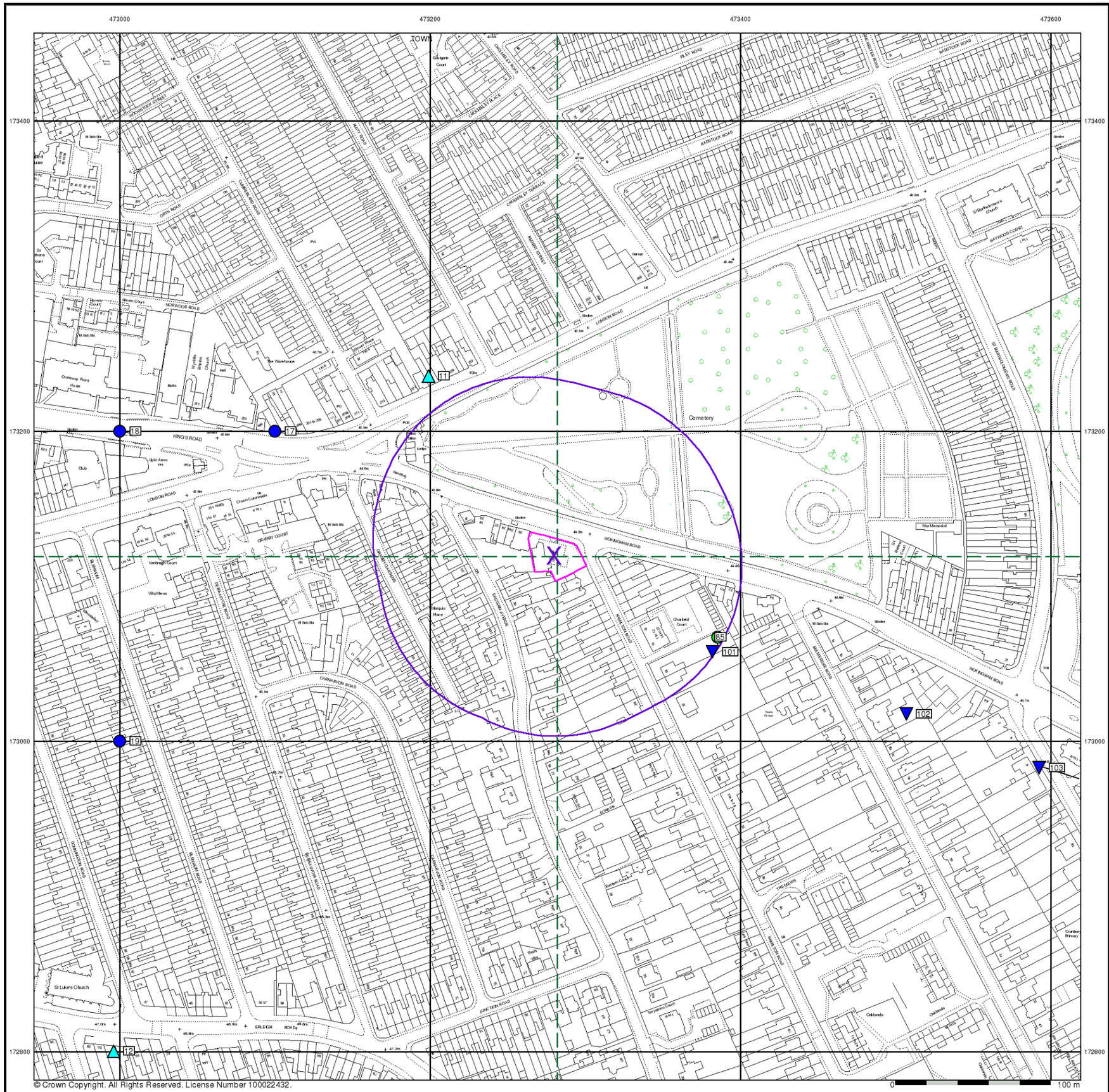
28 WOKINGHAM ROAD, READING, RG6 1JQ

FOR

PROPOSED HOUSING DEVELOPMENT

APPENDIX D

SITE SENSITIVITY MAP SETS



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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location
- Pylon
- Overhead Transmission Line

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

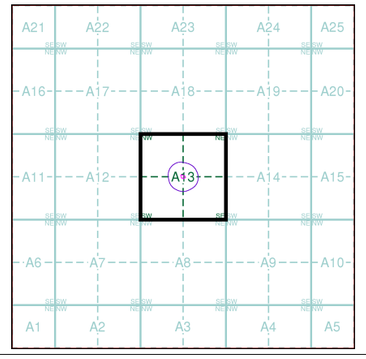
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
- BGS Recorded Landfill Site
- EA Historic Landfill (Buffered Point)
- EA Historic Landfill (Polygon)
- Integrated Pollution Control Registered Waste Site
- Licensed Waste Management Facility (Landfill Boundary)
- Licensed Waste Management Facility (Location)
- Local Authority Recorded Landfill Site (Location)
- Local Authority Recorded Landfill Site
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Segment A13



Order Details

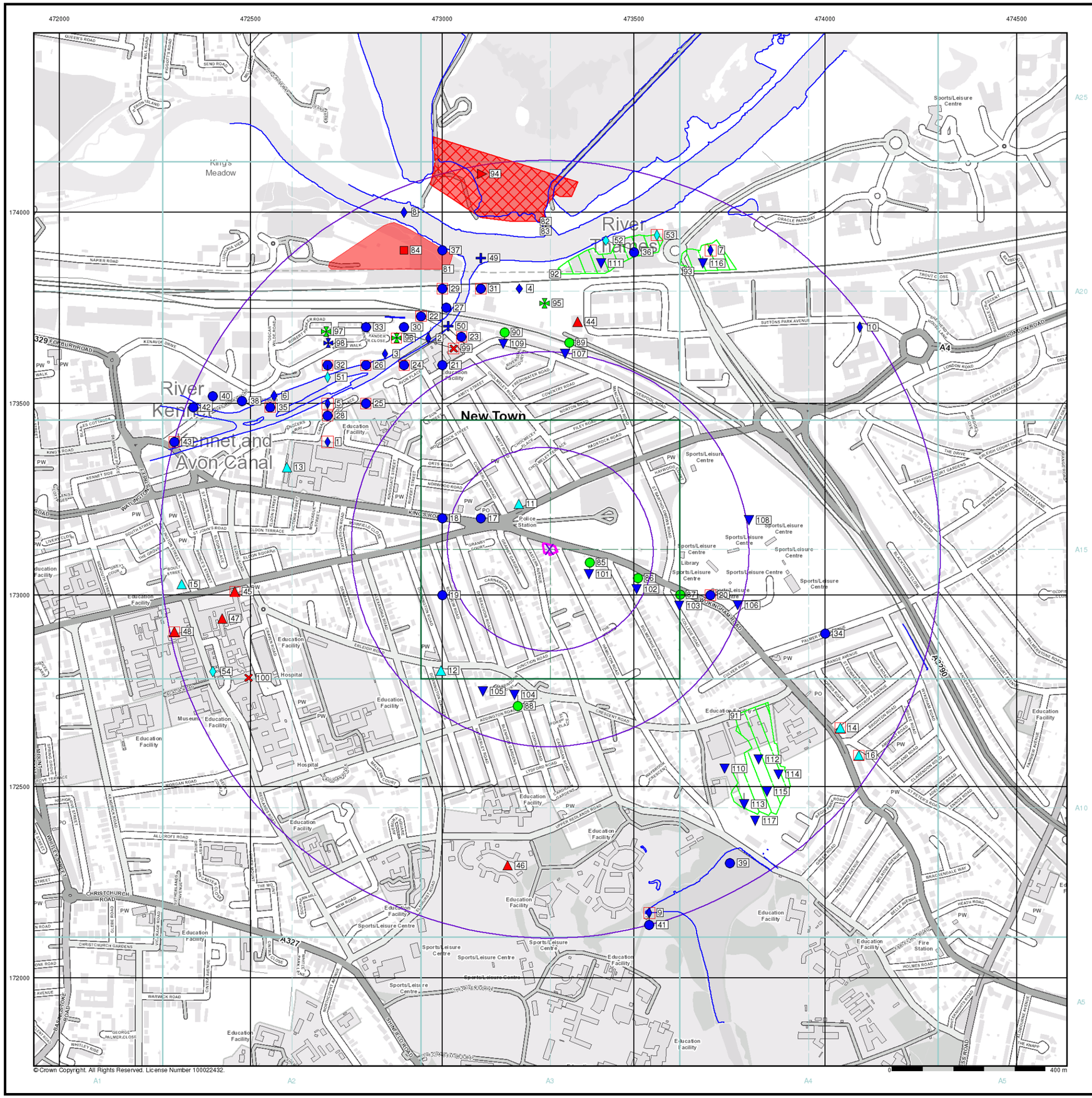
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Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Plot Buffer (m):	100

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

Agency and Hydrological

- Contaminated Land Register Entry or Notice (Location)
- Contaminated Land Register Entry or Notice
- Discharge Consent
- Enforcement or Prohibition Notice
- Integrated Pollution Control
- Integrated Pollution Prevention Control
- Local Authority Integrated Pollution Prevention and Control
- Local Authority Pollution Prevention and Control
- Local Authority Pollution Prevention and Control Enforcement
- Pollution Incident to Controlled Waters
- Prosecution Relating to Authorised Processes
- Prosecution Relating to Controlled Waters
- Registered Radioactive Substance
- River Network or Water Feature
- River Quality Sampling Point
- Substantiated Pollution Incident Register
- Water Abstraction
- Water Industry Act Referral

Hazardous Substances

- COMAH Site
- Explosive Site
- NIHHS Site
- Planning Hazardous Substance Consent
- Planning Hazardous Substance Enforcement

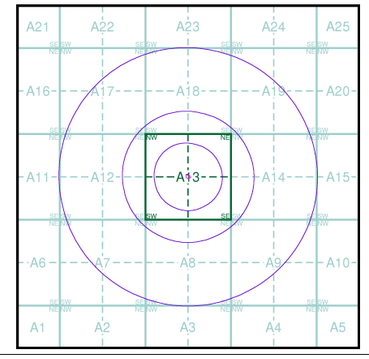
Geological

- BGS Recorded Mineral Site

Waste

- BGS Recorded Landfill Site (Location)
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- EA Historic Landfill (Buffered Point)
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- Potentially Infilled Land (Non-water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Potentially Infilled Land (Water)
- Registered Landfill Site
- Registered Landfill Site (Location)
- Registered Landfill Site (Point Buffered to 100m)
- Registered Landfill Site (Point Buffered to 250m)
- Registered Waste Transfer Site (Location)
- Registered Waste Transfer Site
- Registered Waste Treatment or Disposal Site (Location)
- Registered Waste Treatment or Disposal Site

Site Sensitivity Map - Slice A



Order Details

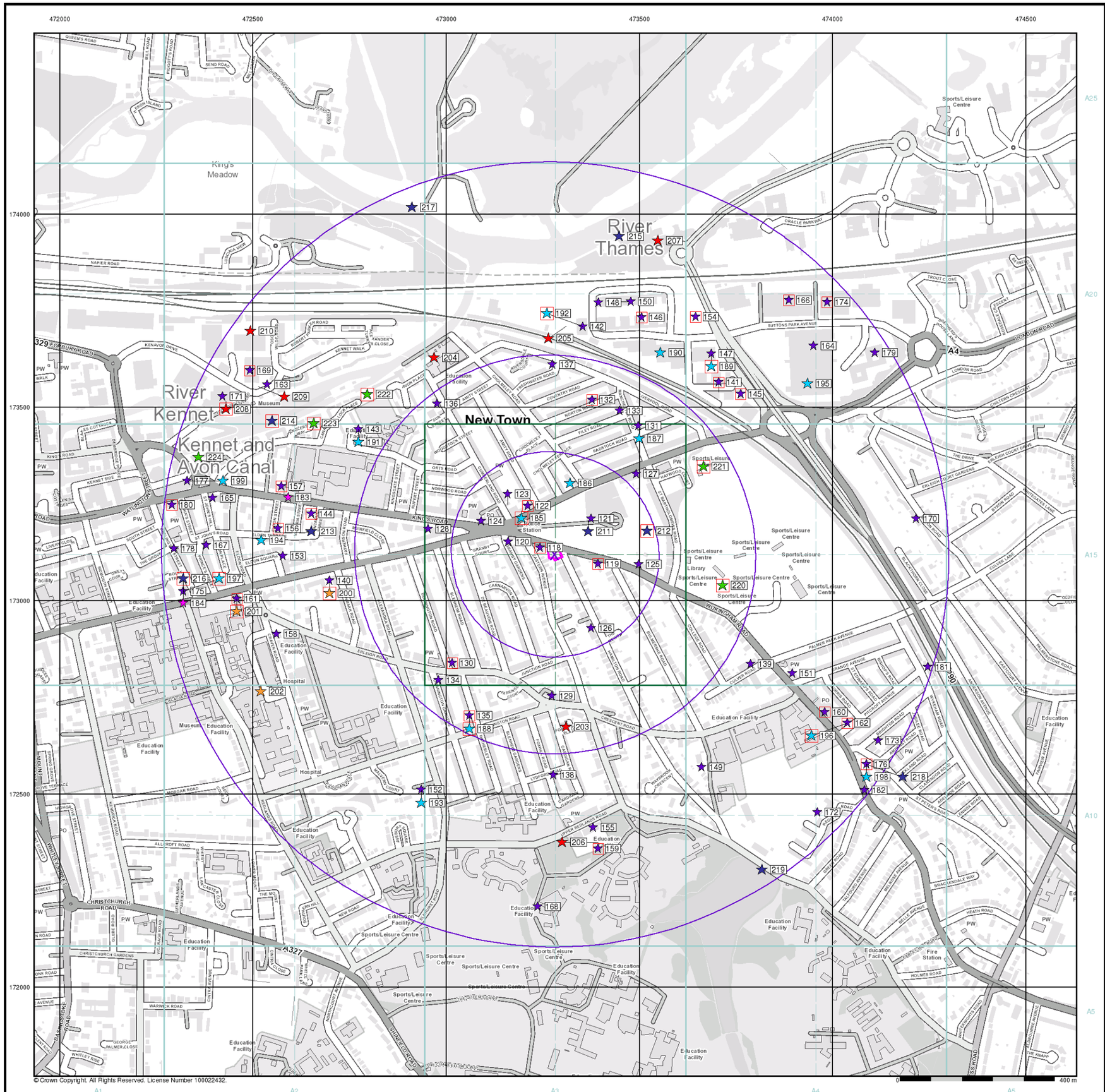
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Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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Industrial Land Use Map

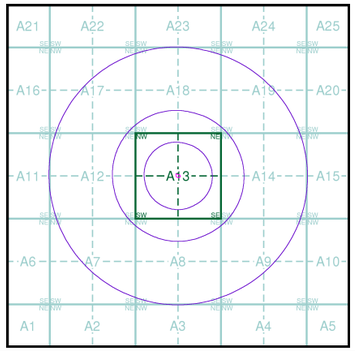
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Industrial Land Use

- Contemporary Trade Directory Entry
- Fuel Station Entry
- Gas Pipeline
- Points of Interest - Commercial Services
- Points of Interest - Education and Health
- Points of Interest - Manufacturing and Production
- Points of Interest - Public Infrastructure
- Points of Interest - Recreational and Environmental
- Underground Electrical Cables

Industrial Land Use Map - Slice A



Order Details

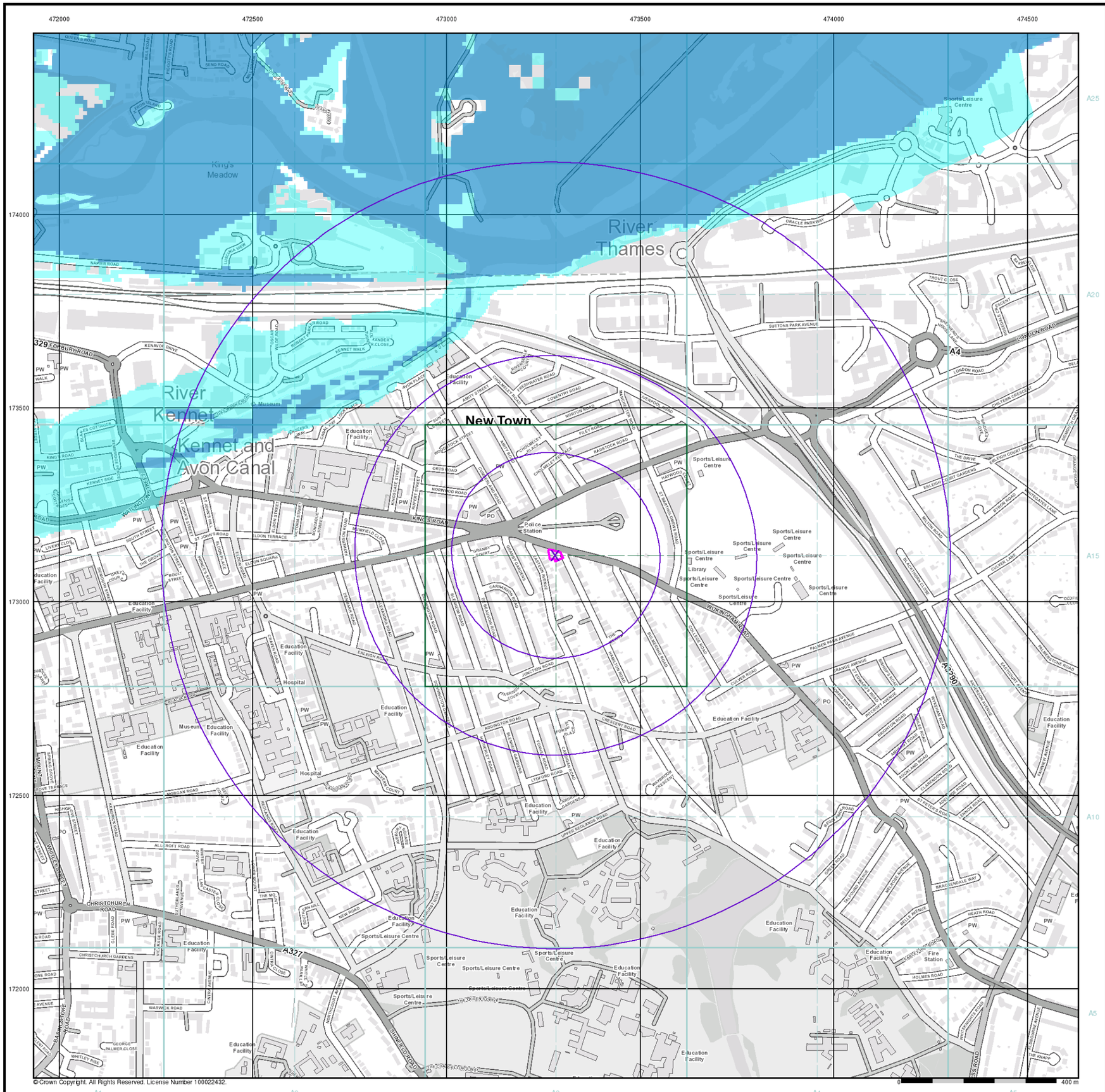
Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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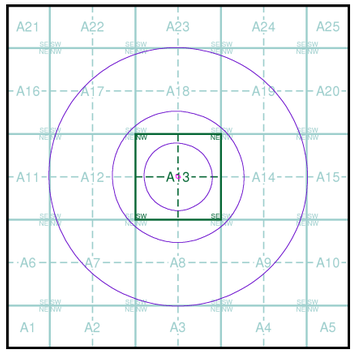
General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Agency and Hydrological (Flood)

- Extreme Flooding from Rivers or Sea without Defences (Zone 2)
- Flooding from Rivers or Sea without Defences (Zone 3)
- Area Benefiting from Flood Defence
- Flood Water Storage Areas
- Flood Defence

Flood Map - Slice A



Order Details

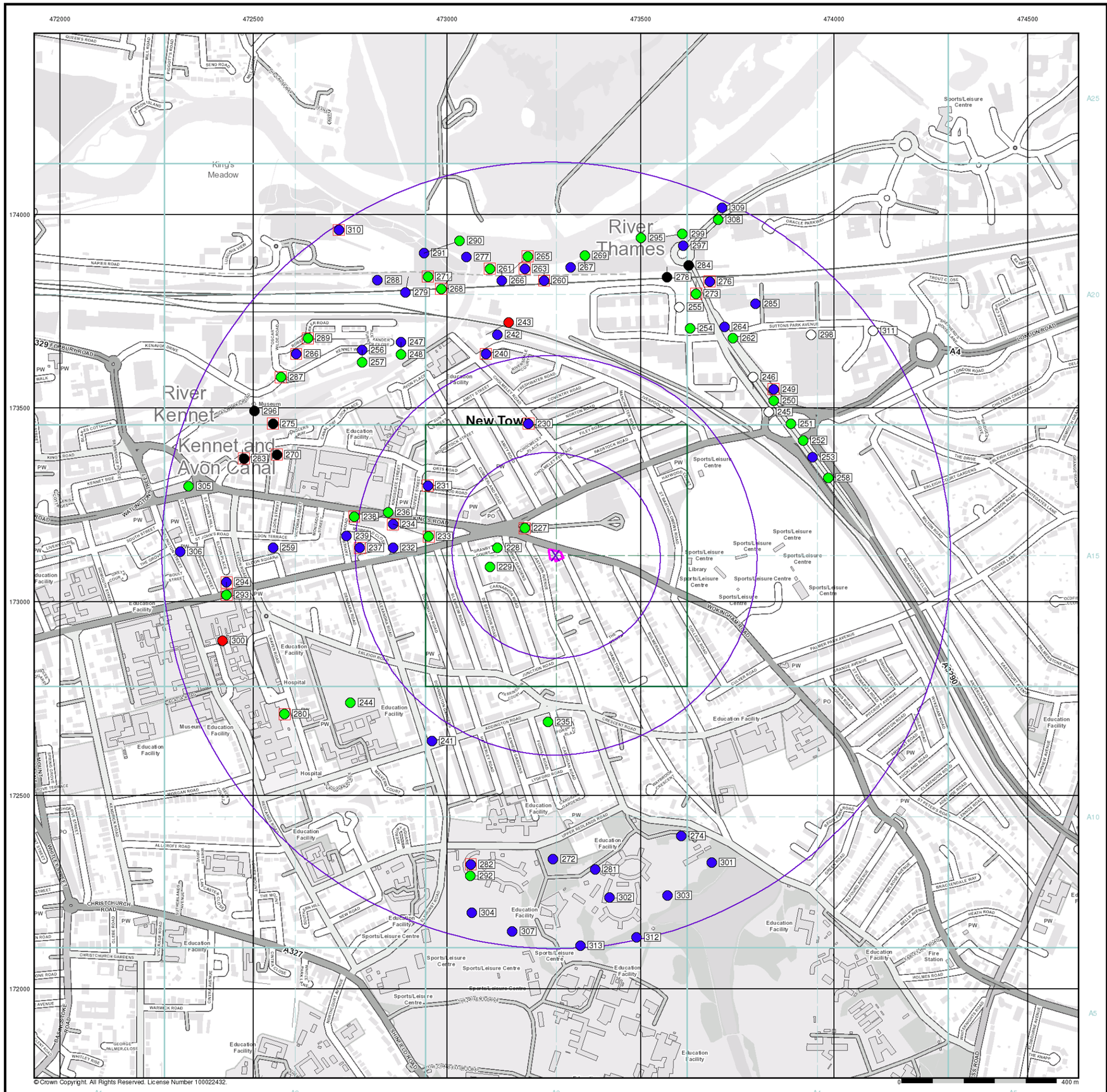
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Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Map ID
- Several of Type at Location

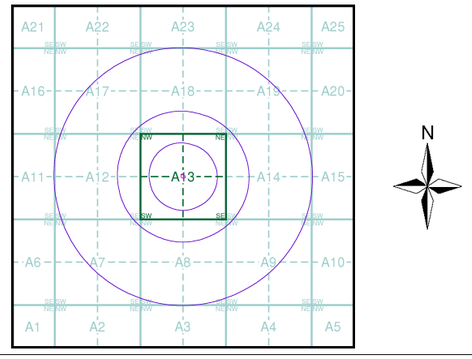
Agency and Hydrological (Boreholes)

- BGS Borehole Depth 0 - 10m
- BGS Borehole Depth 10 - 30m
- BGS Borehole Depth 30m +
- Confidential
- Other

For Borehole information please refer to the Borehole .csv file which accompanied this slice.

A copy of the BGS Borehole Ordering Form is available to download from the Support section of www.envirocheck.co.uk.

Borehole Map - Slice A



Order Details

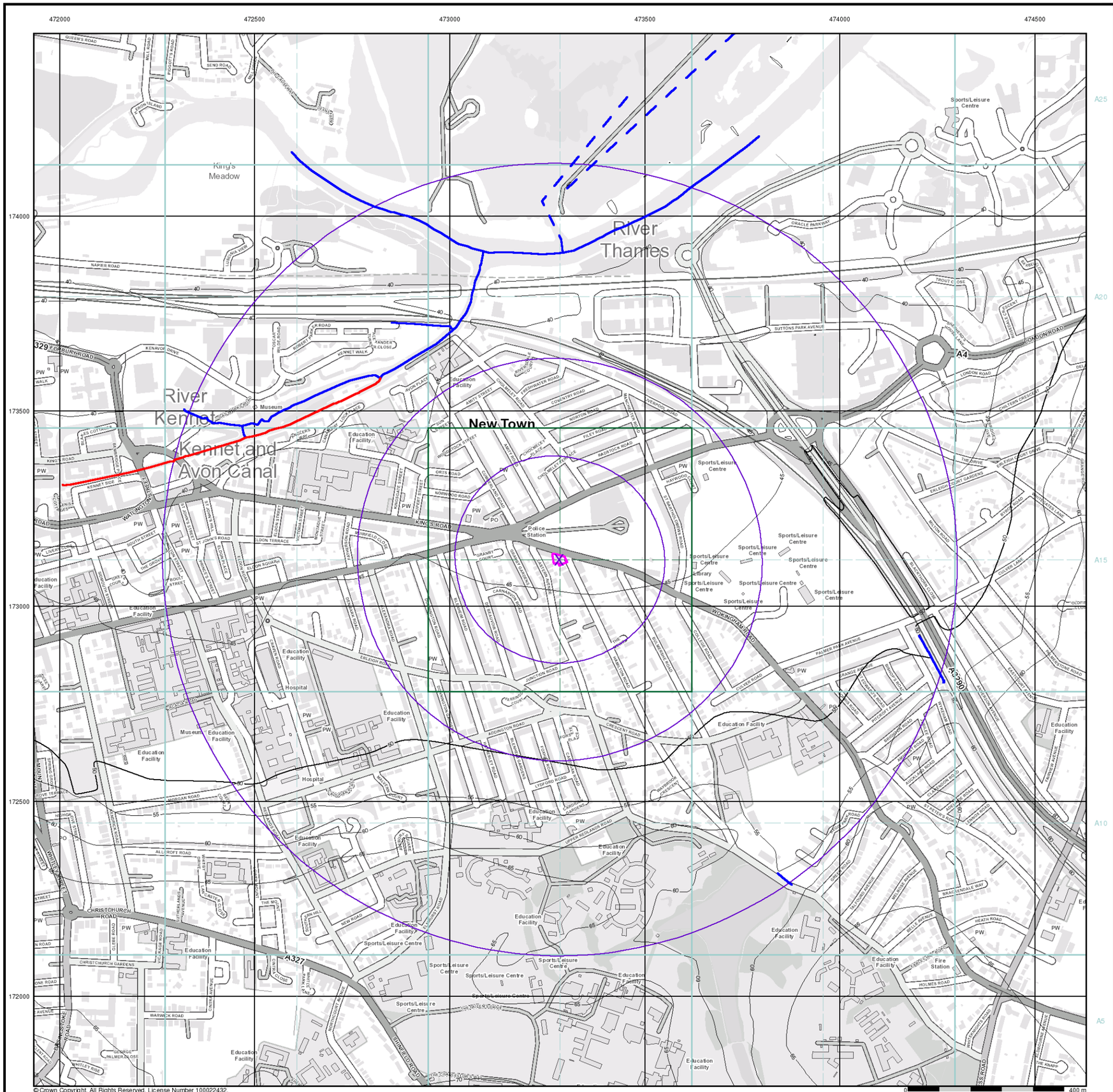
Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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General

- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

OS Water Network Data

- Canal
- Reservoir
- Foreshore
- Marsh
- Tidal River
- Inland River
- Drain
- Other
- Lake
- Transfer
- Lock Or Flight Of Locks
- Sea

Contours (height in meters)

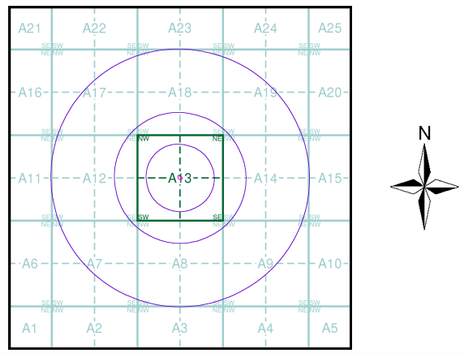
Standard Contour 105 100 95

Master Contour

Spot Height 167.3

- MLW Mean Low Water
- MHW Mean High Water

OS Water Network Map - Slice A



Order Details

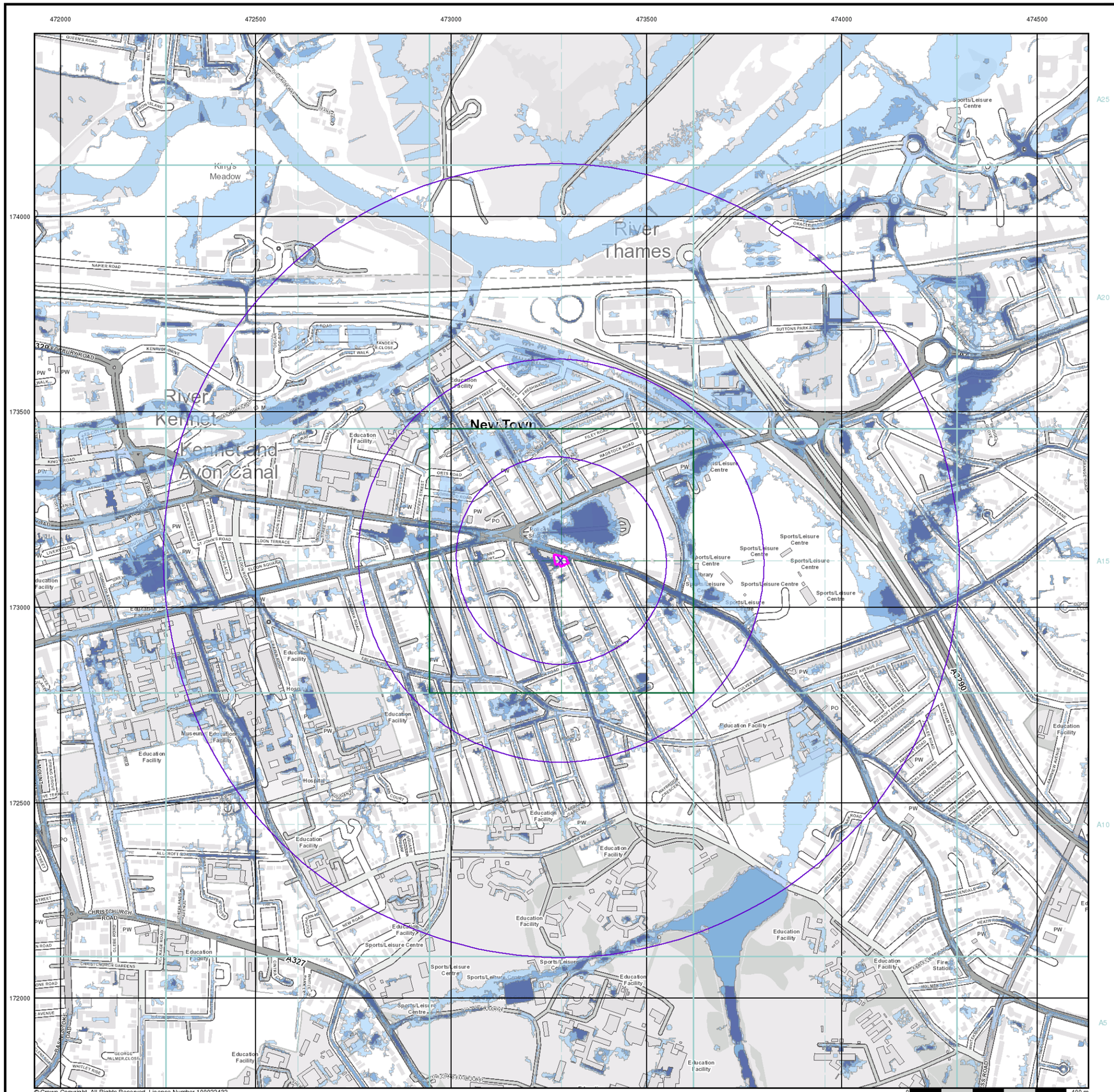
Order Number:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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- Specified Site
- Specified Buffer(s)
- Bearing Reference Point

Risk of Flooding from Surface Water

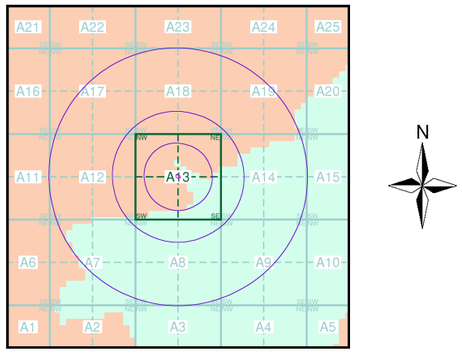
- High - 30 Year Return
- Medium - 100 Year Return
- Low - 1000 Year Return

Suitability

See the suitability map below

- National to county
- County to town
- Town to street
- Street to parcels of land
- Property

EA/NRW Suitability Map - Slice A



Order Details

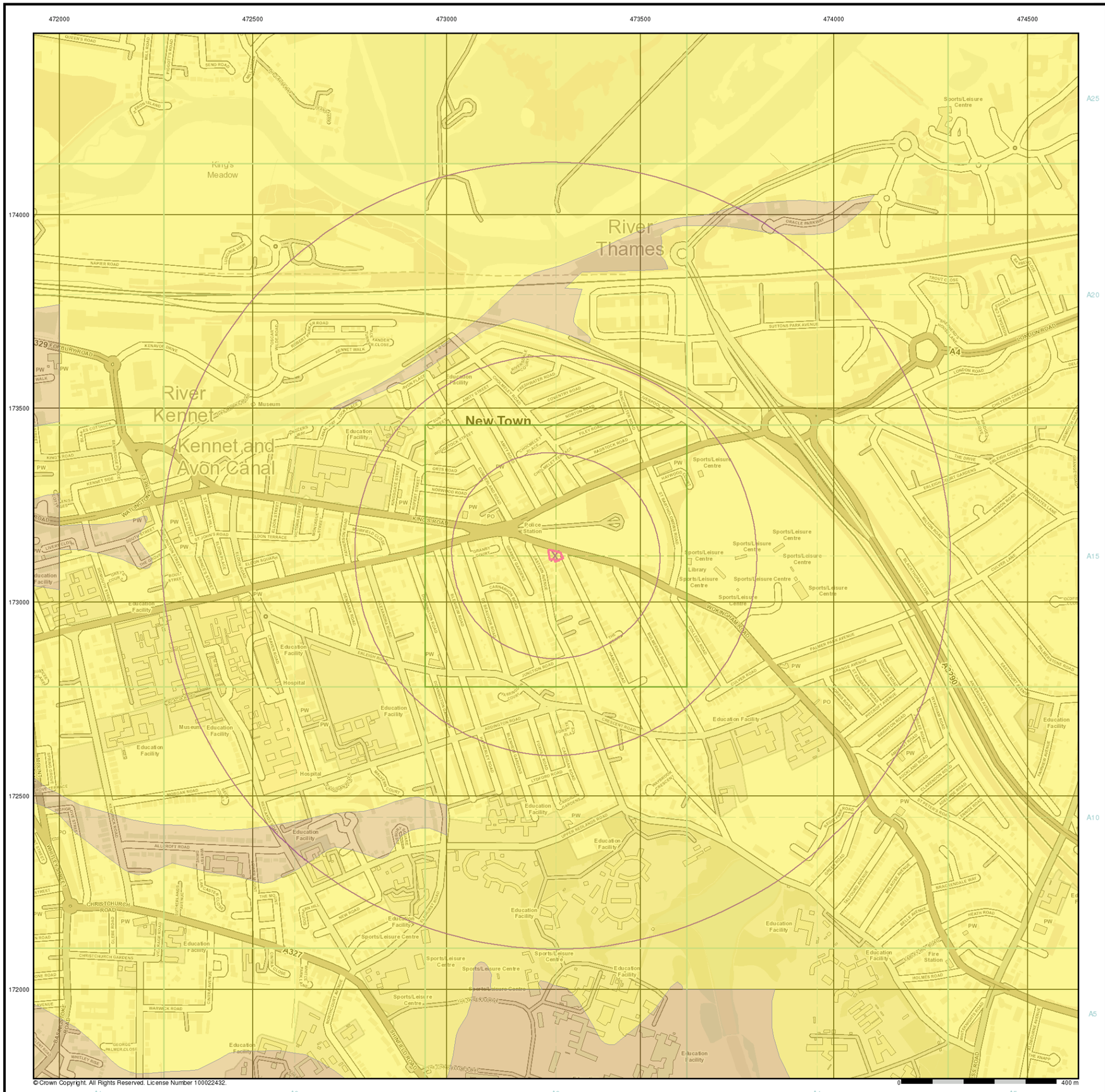
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Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
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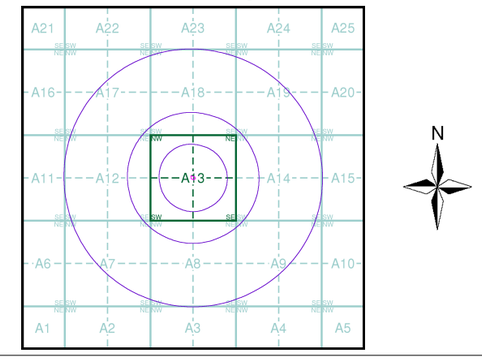
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Arsenic

Arsenic Concentrations mg/kg

- < 15
- 15 - 25
- 25 - 35
- 35 - 45
- 45 - 60
- 60 - 120
- > 120

Estimated Soil Chemistry Arsenic - Slice A



Order Details

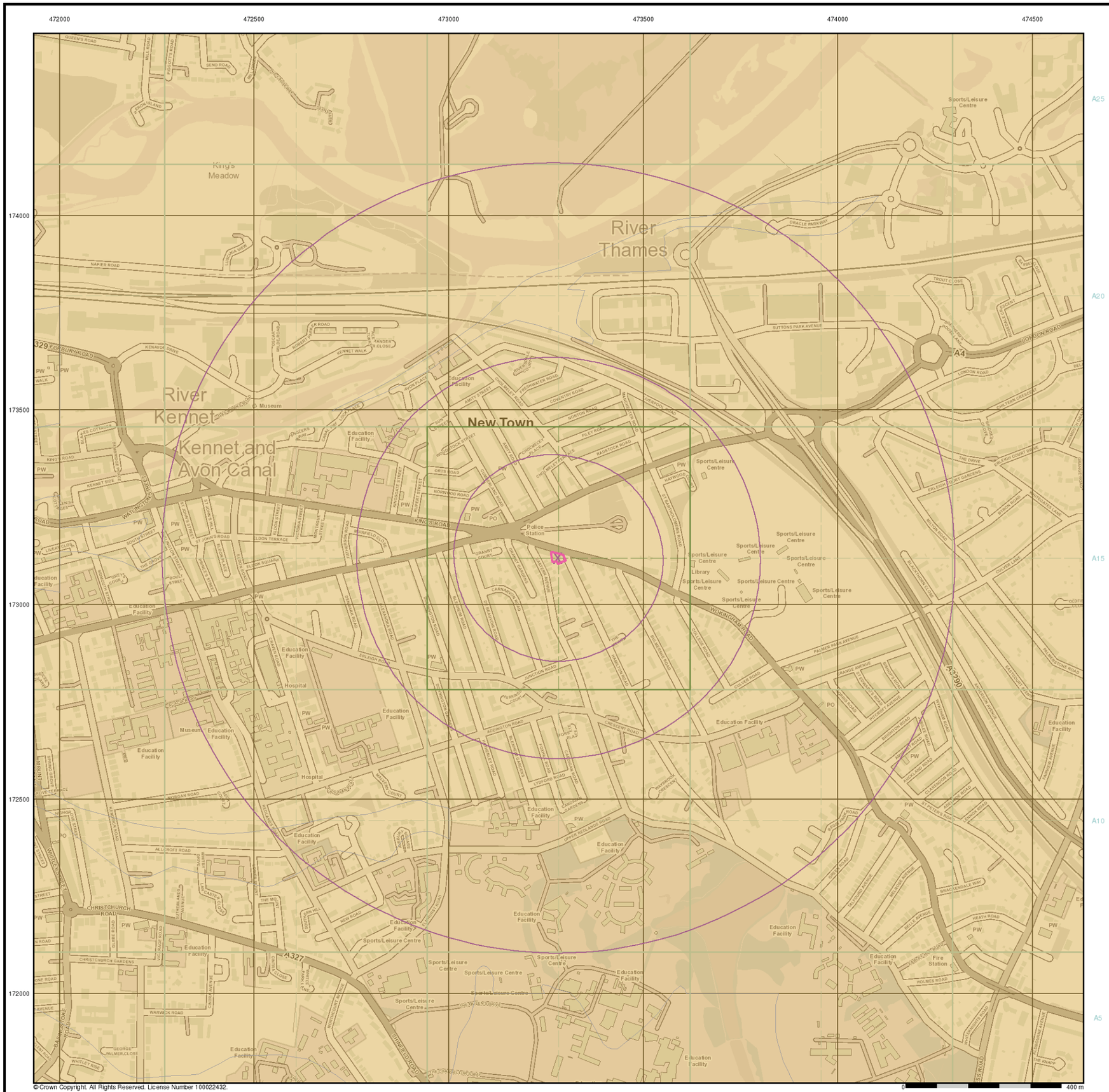
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Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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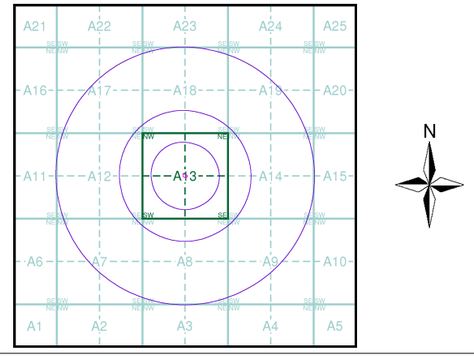
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Cadmium

Cadmium Concentrations mg/kg

- < 1.8
- 1.8 - 2.2
- 2.2 - 3.0
- > 3.0

Estimated Soil Chemistry Cadmium - Slice A



Order Details

Order Details:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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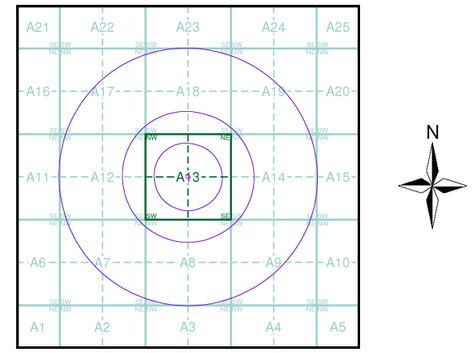
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Chromium

Chromium Concentrations mg/kg

- < 20
- 20 - 40
- 40 - 60
- 60 - 90
- 90 - 120
- 120 - 180
- > 180

Estimated Soil Chemistry Chromium - Slice A



Order Details

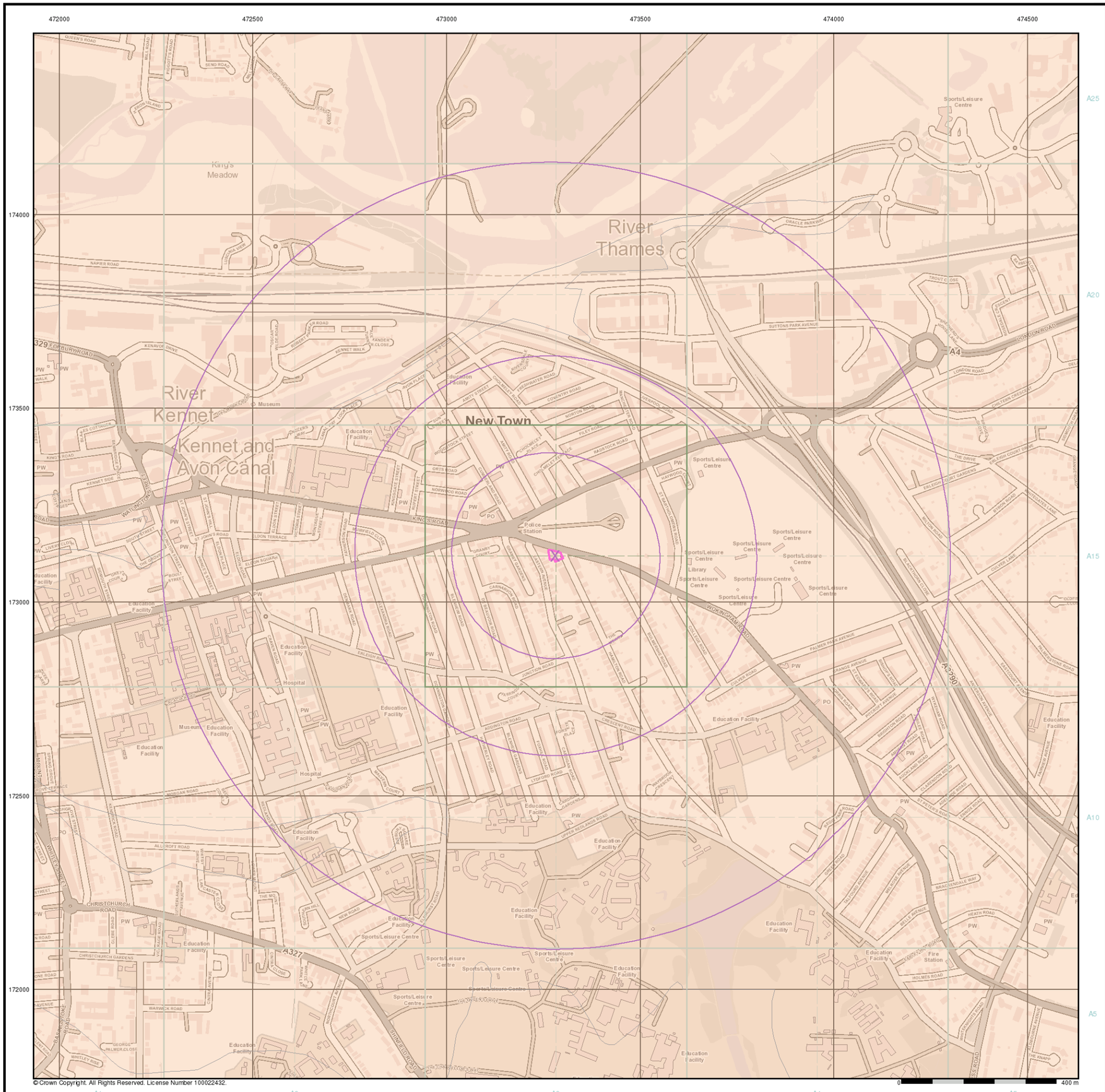
Order Details:	153508705_1_1
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Slice:	A
Site Area (Ha):	0.08
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Site Details

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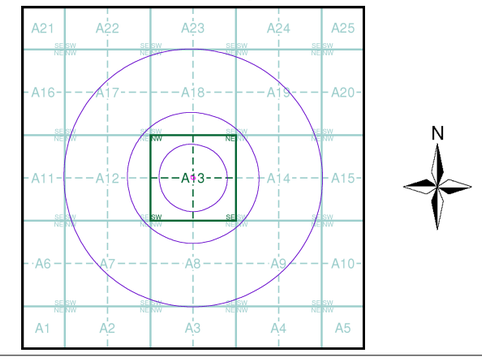
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Lead

Lead Concentrations mg/kg

- <100 mg/kg
- 100 - 200
- 200 - 300
- 300 - 600
- 600 - 1200
- >1200

Estimated Soil Chemistry Lead - Slice A



Order Details

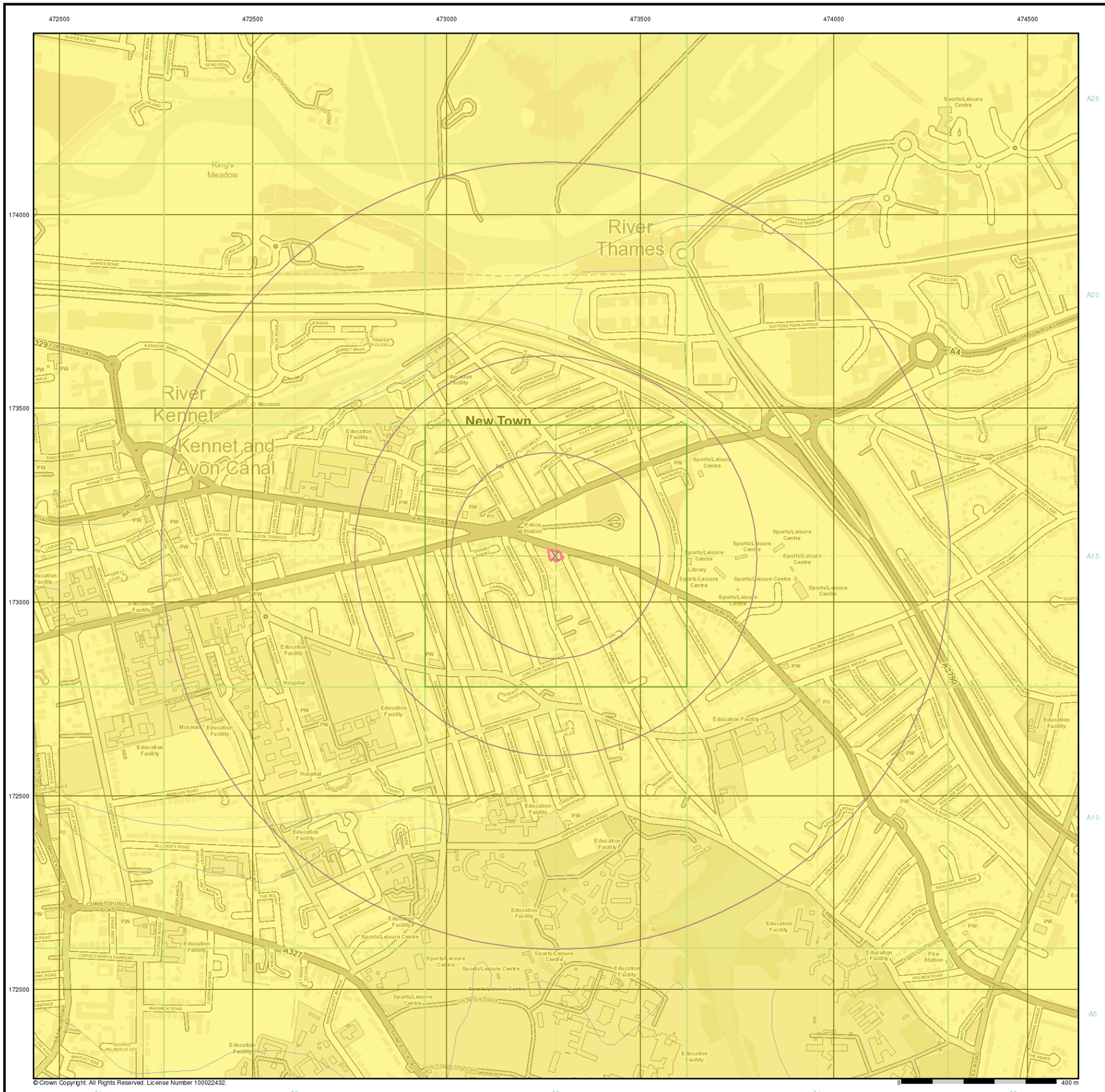
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Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
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Site Details

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General

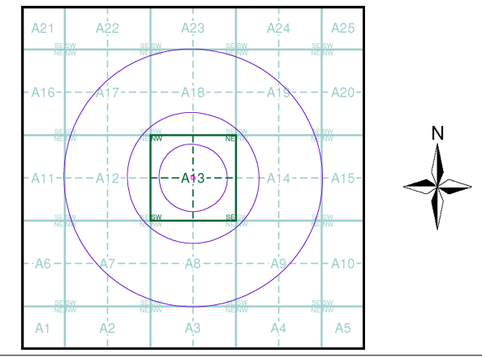
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



Order Details

Order Details:	153508705_1_1
Customer Ref:	4008
National Grid Reference:	473280, 173120
Slice:	A
Site Area (Ha):	0.08
Search Buffer (m):	1000

Site Details

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PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

28 WOKINGHAM ROAD, READING, RG6 1JQ

FOR

PROPOSED HOUSING DEVELOPMENT

APPENDIX E

ENVIRONMENTAL DATABASE SEARCH

Envirocheck®
LANDMARK INFORMATION GROUP®

Envirocheck® Report:

Datasheet

Order Details:

Order Number:
153508705_1_1

Customer Reference:
4008

National Grid Reference:
473280, 173120

Slice:
A

Site Area (Ha):
0.08

Search Buffer (m):
1000

Site Details:

28, Wokingham Road
READING
RG6 1JQ

Client Details:

Mr M Green
Terramech Investigations Ltd
183 Long Lane
Tilehurst
Reading
Berkshire
RG31 6YW

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Contents

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	35
Hazardous Substances	37
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Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.
For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

In the attached datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				14
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		1	1	6
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 5				Yes
Pollution Incidents to Controlled Waters	pg 5		1	6	54
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 15				15
River Quality	pg 18				3
River Quality Biology Sampling Points	pg 18				1
River Quality Chemistry Sampling Points	pg 19				1
Substantiated Pollution Incident Register					
Water Abstractions	pg 19				6 (*42)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 31	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 31	Yes	n/a	n/a	n/a
Source Protection Zones	pg 31	2			1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 32				23

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 35				2
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)	pg 35				1
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 35	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 35				1
Potentially Infilled Land (Non-Water)	pg 35		2	2	5
Potentially Infilled Land (Water)					
Registered Landfill Sites	pg 36				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 37				4
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 37				1
Planning Hazardous Substance Consents	pg 37				4
Planning Hazardous Substance Enforcements					

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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 39	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 39	Yes			Yes
BGS Recorded Mineral Sites	pg 39		2	4	11
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities	pg 42				2
Natural Cavities	pg 42		2	2	
Non Coal Mining Areas of Great Britain	pg 43	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 43	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 43	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 43	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 43	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 43		Yes	n/a	n/a
Radon Potential - Radon Affected Areas			n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 45	1	18	15	89
Fuel Station Entries	pg 55				2
Points of Interest - Commercial Services	pg 56		4	3	16
Points of Interest - Education and Health	pg 58				8
Points of Interest - Manufacturing and Production	pg 58			1	9
Points of Interest - Public Infrastructure	pg 59		3		10
Points of Interest - Recreational and Environmental	pg 60			4	5
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 62				2
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NW (E)	0	1	473280 173120
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (SE)	12	1	473300 173100
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (W)	315	1	472950 173100
1	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Blakes Lockreadingblakes Lock Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1768 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Holly Brook **Status: Temporary Consents (Water Act 1989, Section 113)** Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	624	2	472700 173400
1	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Blakes Lockreadingblakes Lock Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1768 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: Holly Brook **Status: Temporary Consents (Water Act 1989, Section 113)** Positional Accuracy: Located by supplier to within 100m	A12NE (NW)	624	2	472700 173400
2	**Discharge Consents** Operator: British Gas Plc Southern Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Reading Gasworks Site, Off Kenavon Drive, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctwc.1648 Permit Version: 1 Effective Date: 9th June 1987 Issued Date: 9th June 1987 Revocation Date: 1st October 1996 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Kennet **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	638	2	472970 173700
3	**Discharge Consents** Operator: Rosehaugh Estates Plc Property Type: Undefined Or Other Location: Riverside Development, Riverside, Kenavon Drive, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cntw.0948 Permit Version: 1 Effective Date: 18th February 1991 Issued Date: 18th February 1991 Revocation Date: 4th December 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Kennet **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	646	2	472850 173630

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	**Discharge Consents** Operator: Southern Gas Board, 164 Above Bar, Southampton Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Gasholder Station, Earley, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcr.0985 Permit Version: 1 Effective Date: 9th December 1968 Issued Date: 15th February 1968 Revocation Date: 6th June 1991 Discharge Type: Unknown Discharge Environment: Freshwater Stream/River Receiving Water: Kennet **Status: Authorisation revokedRevoked** Positional Accuracy: Located by supplier to within 100m	A18NW (N)	669	2	473200 173800
5	**Discharge Consents** Operator: Environment Agency - Thames Region Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Blakes Lock House, Blakes Lock,Near Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cssm.0035 Permit Version: 2 Effective Date: 26th May 2006 Issued Date: 26th May 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Kennet **Status: Varied by Application - (Water Resources Act 1991, Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	672	2	472700 173500
5	**Discharge Consents** Operator: Environment Agency - Thames Region Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Blakes Lock House, Blakes Lock,Near Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CSSM.0035 Permit Version: 1 Effective Date: 26th August 1997 Issued Date: 26th August 1997 Revocation Date: 25th May 2006 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Kennet **Status: New Consent, by Application (Water Resources Act 1991, Section 88)** Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	672	2	472700 173500
6	**Discharge Consents** Operator: British Gas Plc Southern Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: Reading Gasworks Site, Off Kenavon Drive, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctwc.1649 Permit Version: 1 Effective Date: 9th June 1987 Issued Date: 9th June 1987 Revocation Date: 1st October 1996 Discharge Type: Discharge Of Other Matter-Surface Water Discharge Environment: Freshwater Stream/River Receiving Water: River Kennet **Status: Lapsed (under Environment Act 1995, Schedule 23)** Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	803	2	472560 173520

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Suttons Seeds Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2031 Permit Version: 2 Effective Date: 3rd September 2010 Issued Date: 3rd September 2010 Revocation Date: 13th October 2015 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Thames **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	874	2	473700 173900
7	**Discharge Consents** Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Suttons Seeds Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.2031 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 2nd September 2010 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge Environment: Freshwater Stream/River Receiving Water: River Thames **Status: Temporary Consents (Water Act 1989, Section 113)** Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	874	2	473700 173900
8	**Discharge Consents** Operator: Lafarge Redland Aggregates Limited Property Type: MINERAL/GRAVEL EXTRACTION/QUARRYING Location: Redland Aggregates, Henley Road, Dunsden, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.3339 Permit Version: 1 Effective Date: 22nd May 1989 Issued Date: 22nd May 1989 Revocation Date: 19th October 2001 Discharge Type: Trade Discharge - Mineral Workings Discharge Environment: Freshwater Stream/River Receiving Water: River Thames **Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	939	2	472900 174000
9	**Discharge Consents** Operator: University Of Reading Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: J J Thompson Physical Lab, University Of Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTCR.0714 Permit Version: 2 Effective Date: 7th May 1992 Issued Date: 21st July 1964 Revocation Date: 23rd December 2015 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Pond - No Outlet Receiving Water: Whiteknightslake **Status: Surrendered under EPR 2010** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	969	2	473540 172170

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	**Discharge Consents** Operator: University Of Reading Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: J J Thompson Physical Lab, University Of Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcr.0714 Permit Version: 1 Effective Date: 21st July 1964 Issued Date: 21st July 1964 Revocation Date: 6th May 1992 Discharge Type: Trade Discharges - Cooling Water Discharge Environment: Pond/Lake Receiving Water: Whiteknightslake **Status: Transferred from Rivers (Prevention of Pollution) Act 1951-1961** Positional Accuracy: Located by supplier to within 10m	A8SE (S)	969	2	473540 172170
10	**Discharge Consents** Operator: Standard Life Assurance Co Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Gate House Suttons Business Park Sutton Park Avenue Reading Berks Rg6 1aa Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cawm.1080 Permit Version: 1 Effective Date: 28th February 2005 Issued Date: 8th April 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge Environment: Land/Soakaway Receiving Water: Land **Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995)** Positional Accuracy: Located by supplier to within 10m	A19SE (NE)	981	2	474090 173700
11	**Local Authority Pollution Prevention and Controls** Name: Butts Dry Cleaners Location: 225a London Road, Reading, Rg1 3ny Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC4/P1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning **Status: Application Refused Or Cancelled** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	119	3	473199 173234
12	**Local Authority Pollution Prevention and Controls** Name: A To Z Cleaners Location: 32 Erleigh Road, Reading, Rg1 5na Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC8/P2 Dated: 1st January 2009 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	413	3	472996 172799
13	**Local Authority Pollution Prevention and Controls** Name: Kings Road Garage Location: 191 Kings Road, Reading, Berkshire, RG1 4EX Authority: Reading Borough Council, Environmental Health Department Permit Reference: Epa/Par.B/45/98 Dated: 24th August 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorisation revokedRevoked** Positional Accuracy: Automatically positioned to the address	A12NW (W)	698	3	472594 173330
14	**Local Authority Pollution Prevention and Controls** Name: Laundro-Coin Location: 107 Wokingham Road, Reading, Rg6 1lh Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC20/P2 Dated: 1st October 2012 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	827	3	474008 172685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	**Local Authority Pollution Prevention and Controls** Name: Beacon House Cleaners Location: 123 Wokingham Road, Reading, Rg6 1lh Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC1/P1 Dated: 1st September 2007 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	873	3	474039 172649
15	**Local Authority Pollution Prevention and Controls** Name: Murco Petroleum Ltd Location: 69 London Road, READING, Berkshire, RG1 5BW Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/26/98/P1 Dated: 18th May 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station **Status: Permitted** Positional Accuracy: Automatically positioned to the address	A12SW (W)	951	3	472319 173024
16	**Local Authority Pollution Prevention and Controls** Name: Wokingham Road Service StationBp Petroleum Location: 131 Wokingham Road, READING, Berkshire, RG6 1LW Authority: Reading Borough Council, Environmental Health Department Permit Reference: Epa/Par.B/33/98 Dated: 24th August 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station **Status: Authorised** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	952	3	474087 172577
16	**Local Authority Pollution Prevention and Controls** Name: Launderette Location: 135 Wokingham Road, Reading, Rg6 1lw Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC11/P1 Dated: 1st September 2007 Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning **Status: Permitted** Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	970	3	474092 172553
	Nearest Surface Water Feature	A18SW (NW)	603	-	472963 173657
17	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Confirmed incident Incident Date: 23rd April 1999 Incident Reference: THWE1999042924 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A13NW (NW)	177	2	473100 173200
18	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 8th March 1993 Incident Reference: WE930071 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13NW (W)	272	2	473000 173200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 18th December 1991 Incident Reference: WE910709 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A13SW (SW)	289	2	473000 173000
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 7th January 1992 Incident Reference: WE920015 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	415	2	473700 173000
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 31st January 1992 Incident Reference: WE920068 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	417	2	473700 172995
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Reading Cholmele Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 27th March 1992 Incident Reference: WE920175 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	420	2	473705 173000
20	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 3rd February 1992 Incident Reference: WE920077 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (E)	422	2	473705 172995
21	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 28th March 1995 Incident Reference: WE950102 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	535	2	473000 173600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Note: Not Supplied Incident Date: 16th August 1996 Incident Reference: WE960298 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	579	2	473000 173650
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: Not Supplied Incident Reference: WE910090 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	615	2	473000 173690
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 28th March 1995 Incident Reference: WE950112 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	617	2	472995 173690
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 29th June 1993 Incident Reference: WE930215 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	620	2	473000 173695
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 14th February 1995 Incident Reference: WE950050 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	622	2	472995 173695
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th March 1993 Incident Reference: WE930074 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	624	2	473000 173700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 8th February 1995 Incident Reference: WE950076 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	626	2	472995 173700
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 18th October 1993 Incident Reference: WE930355 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	627	2	473005 173705
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 14th October 1994 Incident Reference: WE940362 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	629	2	473000 173705
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 15th November 1994 Incident Reference: WE940394 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	631	2	472995 173705
22	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Location Description Not Avaliable Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 11th July 1996 Incident Reference: WE960242 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	633	2	472980 173700
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 9th June 1992 Incident Reference: WE920345 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (N)	586	2	473050 173680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 14th June 1994 Incident Reference: WE940207 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	589	2	473030 173675
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 6th May 1994 Incident Reference: WE940129 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	594	2	473030 173680
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: General Note: Not Supplied Incident Date: 12th September 1997 Incident Reference: THWE1997029802 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	613	2	473005 173690
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 23rd September 1993 Incident Reference: WE930319 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	618	2	473005 173695
23	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 28th September 1993 Incident Reference: WE930324 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	622	2	473005 173700
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 31st August 1994 Incident Reference: WE940313 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	587	2	472900 173595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 17th July 1993 Incident Reference: WE930243 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	591	2	472900 173600
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 6th January 1990 Incident Reference: WE900011 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	591	2	472800 173500
25	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 12th July 1994 Incident Reference: WE940244 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	623	2	472800 173550
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Not Supplied Incident Date: 8th July 1998 Incident Reference: THWEI998039865 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	654	2	472800 173595
26	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 23rd September 1992 Incident Reference: WE920542 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	658	2	472800 173600
27	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 20th January 1997 Incident Reference: THWE1997031389 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	666	2	473010 173750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Note: Not Supplied Incident Date: 24th June 1996 Incident Reference: WE960204 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	670	2	472700 173495
28	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 1st March 1990 Incident Reference: WE900148 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	672	2	472700 173500
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 10th May 1995 Incident Reference: WE950180 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	670	2	473000 173750
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 14th April 1995 Incident Reference: WE950140 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	710	2	473005 173795
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 21st January 1991 Incident Reference: WE910040 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	711	2	473000 173795
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 9th January 1997 Incident Reference: THWE1997031280 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	714	2	473005 173800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
29	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 24th July 1990 Incident Reference: WE900455 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	716	2	473000 173800
30	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Not Given Note: Not Supplied Incident Date: 15th July 1997 Incident Reference: THWE1997028630 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	673	2	472900 173700
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Note: Not Supplied Incident Date: 9th July 1997 Incident Reference: THWE1997028768 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	679	2	473105 173795
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 5th November 1994 Incident Reference: WE940385 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	681	2	473100 173795
31	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 29th May 1991 Incident Reference: WE910296 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	686	2	473100 173800
32	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 18th April 1993 Incident Reference: WE930123 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	728	2	472700 173595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 22nd May 1991 Incident Reference: WE910281 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	732	2	472700 173600
33	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 27th August 1991 Incident Reference: WE910475 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	732	2	472800 173700
34	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 10th December 1990 Incident Reference: WE900672 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SE (E)	732	2	474000 172900
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 27th June 1997 Incident Reference: THWE1997029446 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A17SW (NW)	785	2	472570 173500
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 9th April 1993 Incident Reference: WE930119 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	800	2	472550 173495
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: Blakes Lane, READING Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 6th March 1992 Incident Reference: WE920140 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	803	2	472550 173500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Confirmed As A Pollution Incident Incident Date: 16th December 1993 Incident Reference: WE930414 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	841	2	472505 173495
35	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 28th July 1992 Incident Reference: WE920445 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	847	2	472500 173500
36	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: EARLEY Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 28th March 1989 Incident Reference: WE890151 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NE (N)	795	2	473500 173895
37	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 28th October 1991 Incident Reference: WE910585 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A18NW (N)	810	2	473000 173900
38	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 21st October 1993 Incident Reference: WE930358 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	845	2	472500 173495
39	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 13th October 1995 Incident Reference: WE950403 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	930	2	473750 172300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
40	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 27th April 1994 Incident Reference: WE940136 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (NW)	939	2	472400 173500
41	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: EARLEY Authority: Environment Agency, Thames Region Pollutant: Unknown Sewage Note: Confirmed As A Pollution Incident Incident Date: 29th July 1993 Incident Reference: WE930257 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	974	2	473540 172165
42	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 3rd March 1992 Incident Reference: WE920135 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A17SW (W)	981	2	472350 173490
43	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 16th February 1995 Incident Reference: WE950058 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	999	2	472300 173395
43	**Pollution Incidents to Controlled Waters** Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 6th September 1994 Incident Reference: WE940321 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A12NW (W)	1000	2	472300 173400
44	**Registered Radioactive Substances** Name: University Of Reading Location: Reading, RG6 6AH Authority: Environment Agency, Thames Region Permit Reference: BX6693 Dated: 20th October 2004 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A18SE (N)	582	2	473353 173709

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: BZ9642 Dated: 6th September 2006 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: BZ9669 Dated: 6th September 2006 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: By1654 Dated: 12th October 2004 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Minor variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: By1638 Dated: 12th October 2004 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: Bw3605 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: Bm7898 Dated: 16th May 2002 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: Medical Physics Department, Royal Berkshire Hospital, London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: BI5687 Dated: 24th October 2001 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Substantial variation to a registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: AS4885 Dated: 24th August 1995 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: London Road, Reading, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: AN2528 Dated: 17th August 1994 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Substantial variation to authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
45	**Registered Radioactive Substances** Name: Royal Berkshire Nhs Foundation Trust Location: Medical Physics Department, Royal Berkshire Hospital, London Road, READING, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: AB4362 Dated: 1st July 1992 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	2	472458 173005
46	**Registered Radioactive Substances** Name: University Of Reading Location: PO Box 217, READING, Berkshire, RG6 6AH Authority: Environment Agency, Thames Region Permit Reference: Bw8224 Dated: 1st December 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Minor variation to authorisation under RSA **Status: Application has been authorised and any conditions apply to the operatorAuthorised** Positional Accuracy: Located by supplier to within 10m	A8SW (S)	821	2	473170 172290
47	**Registered Radioactive Substances** Name: Royal Berkshire And Battle Hospitals NHS Trust Location: Medical Physics Department, Royal Berkshire Hospital, London Road, READING, Berkshire, RG1 5AN Authority: Environment Agency, Thames Region Permit Reference: AJ2089 Dated: 31st March 1991 Process Type: Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Description: Registration under the Act of an open source which is also the subject of an authorisation **Status: Authorisation superseded by a substantial or non substantial variationSuperseded** Positional Accuracy: Manually positioned to the address or location	A12SW (W)	861	2	472425 172935

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
48	**Registered Radioactive Substances** Name: University Of Reading Location: London Road, READING, Berkshire, RG1 5AQ Authority: Environment Agency, Thames Region Permit Reference: AD6897 Dated: 31st March 1991 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Unknown	A12SW (W)	984	2	472305 172905
48	**Registered Radioactive Substances** Name: Wyeth Research (uk) Ltd Location: Building L33, University Of Reading, London Road, READING, Berkshire, RG1 5AQ Authority: Environment Agency, Thames Region Permit Reference: AK1304 Dated: 1st December 1993 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA **Status: Authorisation either revoked or cancelledCancelled** Positional Accuracy: Unknown	A12SW (W)	990	2	472300 172900
	River Quality Name: Kennet GQA Grade: River Quality B Reach: Holy Bk - Thames Estimated Distance (km): 1.3 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A18NW (N)	709	2	473067 173815
	River Quality Name: Thames GQA Grade: River Quality B Reach: Whitchurch Stw - Kennet Estimated Distance (km): 12.6 Flow Rate: Flow less than 40 cumecs Flow Type: River Year: 2000	A18NW (N)	709	2	473067 173815
	River Quality Name: Thames GQA Grade: River Quality A Reach: Kennet - Loddon Estimated Distance (km): 7.9 Flow Rate: Flow less than 80 cumecs Flow Type: River Year: 2000	A18NW (N)	709	2	473067 173815
49	**River Quality Biology Sampling Points** Name: Thames (W Area) Reach: Kennet To Loddon Estimated Distance: 7.90 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 1995 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2000 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2002 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2003 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2004 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2005 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2006 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2007 GQA Grade: River Quality Biology GQA Grade B - Good Year: 2008 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2009 GQA Grade: River Quality Biology GQA Grade A - Very Good	A18NW (N)	763	2	473100 173880

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	**River Quality Chemistry Sampling Points** Name: Kennet Reach: Holy Brook To Thames Estimated Distance: 1.30 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A18SW (NW)	620	2	473015 173702
51	**Water Abstractions** Operator: M J Gleeson Group Plc Licence Number: 28/39/22/0600 Permit Version: 1 Location: Former Gasworks, Kenavon Drive, Reading (5 Boreholes) Authority: Environment Agency, Thames Region Abstraction: Environmental: Pump & Treat: Pollution Remediation Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Former Gasworks, Kenavon Drive Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st July 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	732	2	472700 173600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
52	**Water Abstractions** Operator: University Of Reading Licence Number: 28/39/23/0016 Permit Version: 100 Location: Reading University Research Site, Reading, - Well 'A' Authority: Environment Agency, Thames Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 23 Yearly Rate (m3): 1 Details: Reading University Research, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	800	2	473500 173900
53	**Water Abstractions** Operator: Wokingham Waterside Centre Ltd Licence Number: 28/39/23/0191 Permit Version: 3 Location: Borehole At Waterside Centre, Thames Valley Park Road Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Waterside Centre, Thames Valley Park Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	856	2	473560 173940
53	**Water Abstractions** Operator: Wokingham Waterside Centre Ltd Licence Number: 28/39/23/0191 Permit Version: 2 Location: Borehole At Waterside Centre, Thames Valley Park Road Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Waterside Centre, Thames Valley Park Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	856	2	473560 173940
53	**Water Abstractions** Operator: Wokingham District Council Licence Number: 28/39/23/0191 Permit Version: 1 Location: Borehole At Waterside Centre, Thames Valley Park Road Authority: Environment Agency, Thames Region Abstraction: Sports Grounds/Facilities: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Waterside Centre, Thames Valley Park Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 21st December 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	856	2	473560 173940

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	**Water Abstractions** Operator: Royal Berkshire Hospital Licence Number: 28/39/22/0521 Permit Version: 100 Location: Royal Berkshire Hospital Authority: Environment Agency, Thames Region Abstraction: Hospitals: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 350 Yearly Rate (m3): 127750 Details: Royal Berkshire Hospital, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 17th January 1992 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12SW (W)	921	2	472400 172800
	Water Abstractions Operator: Thames Valley Park Manco Ltd Licence Number: 28/39/23/0175 Permit Version: 101 Location: Thames Valley Park, Reading - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Business Parks: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 750 Yearly Rate (m3): 50000 Details: Thames Valley Park, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1090	2	474030 173930
	Water Abstractions Operator: Thames Valley Park Manco Ltd Licence Number: 28/39/23/0175 Permit Version: 101 Location: Thames Valley Park, Reading - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Business Parks: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thames Valley Park, Reading Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st October 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1090	2	474030 173930
	Water Abstractions Operator: Thames Valley Park Ltd Licence Number: 28/39/23/0044 Permit Version: Not Supplied Location: Shepherds House Lane, READING, Berkshire Authority: Environment Agency, Thames Region Abstraction: Cooling Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 1136 Yearly Rate (m3): 348450 Details: Additional Purposes - Staff Welfare (41482) Boiler Feed (24889). Chalk (Undiff); Status: Expired Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NE (NE)	1118	2	474100 173900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Valley Park Manco Ltd Licence Number: 28/39/23/0175 Permit Version: 101 Location: Thames Valley Park, Reading, - Borehole 'B' Authority: Environment Agency, Thames Region Abstraction: Business Parks: Make-Up or Top Up Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thames Valley Park, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st October 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1131	2	474090 173930
	Water Abstractions Operator: Thames Valley Park Manco Ltd Licence Number: 28/39/23/0175 Permit Version: 101 Location: Thames Valley Park, Reading, - Borehole 'B' Authority: Environment Agency, Thames Region Abstraction: Business Parks: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Thames Valley Park, Reading Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st October 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NE (NE)	1131	2	474090 173930
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0077 Permit Version: 103 Location: Whiteknights Park - Reading - Borehole Authority: Environment Agency, Thames Region Abstraction: Schools And Colleges: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Whiteknights Park - Reading Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1424	2	473040 171700
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0077 Permit Version: 102 Location: Whiteknights Park - Reading - Borehole Authority: Environment Agency, Thames Region Abstraction: Schools And Colleges: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Whiteknights Park - Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 4th August 2004 Permit End Date: 31st March 2011 Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1424	2	473040 171700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: University Of Reading Licence Number: 28/39/22/0077 Permit Version: 100 Location: Whiteknights Park, Reading Authority: Environment Agency, Thames Region Abstraction: Schools and Colleges: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 1056 Yearly Rate (m3): 240000 Details: Whiteknight Park, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 26th April 1993 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A3SW (S)	1432	2	473000 171700
	Water Abstractions Operator: The Reading Sustainability Centre Cic Licence Number: Th/039/0023/022 Permit Version: 1 Location: River Thames At Caversham Weir Authority: Environment Agency, Thames Region Abstraction: Other Environmental Improvements: Transfer between sources Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 19th February 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1589	2	472072 174185
	Water Abstractions Operator: Oracle Shopping Centre Ltd Licence Number: 28/39/22/0594 Permit Version: 1 Location: St.Giles Stream At The Oracle Centre, Reading Authority: Environment Agency, Thames Region Abstraction: Amenity: Lake And Pond Throughflow Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: The Oracle Shopping Centre, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 16th February 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(W)	1674	2	471590 173150
	Water Abstractions Operator: Reading Borough Council Licence Number: 28/39/23/0138 Permit Version: Not Supplied Location: The Allotments, CAVERSHAM Authority: Environment Agency, Thames Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 10 Yearly Rate (m3): 1818 Details: River Gravel; Status: Revoked; Lapsed Or Cancelled Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NE (N)	1700	2	472900 174795

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Berendsen Uk Limited Licence Number: 28/39/23/0020 Permit Version: 102 Location: 72 George Street, Caversham, - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 72 George Street, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th January 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1861	2	471900 174400
	Water Abstractions Operator: White Knight Laundry Services Ltd Licence Number: 28/39/23/0020 Permit Version: 101 Location: 72 George Street, Caversham, - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: 72 George Street, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th December 2004 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1861	2	471900 174400
	Water Abstractions Operator: Reading & Cav'M Laundry Co Ltd Licence Number: 28/39/23/0020 Permit Version: 100 Location: 72 George Street, Caversham, - Borehole 'A' Authority: Environment Agency, Thames Region Abstraction: Industrial; Commercial And Public Services: Laundry Use Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 300 Yearly Rate (m3): 68190 Details: 72 George Street, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A21SW (NW)	1861	2	471900 174400
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 106 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 106 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 105 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 105 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 104 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 104 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 103 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 103 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 102 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 102 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 101 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 101 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Lafarge Redland Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 100 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 2450 Yearly Rate (m3): 9000 Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Redland Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 100 Location: Deans Farm, Caversham, - Gravel Wet Pit, Point 'B' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1920	2	473830 174970
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 106 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Tarmac Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 106 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th October 2015 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 105 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 105 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 26th September 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 104 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 104 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 5th June 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 103 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 103 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th November 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 102 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 102 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 13th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 101 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Lafarge Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 101 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st January 2001 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Redland Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 100 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Water Abstractions Operator: Lafarge Redland Aggregates Limited Licence Number: 28/39/23/0011 Permit Version: 100 Location: Deans Farm, Caversham, Gravel Wet Pit, Point 'A' Authority: Environment Agency, Thames Region Abstraction: Mineral Products: Mineral Washing Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Deans Farm, Caversham Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(N)	1929	2	473830 174980
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (U) - Soil information for restored mineral workings and urban areas is based on fewer observations than elsewhere. A worst case vulnerability classification (H) assumed, until proved otherwise Map Sheet: Sheet 39 West London Scale: 1:100,000	A13NW (E)	0	2	473280 173120
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Principal Aquifer	A13NW (E)	0	1	473280 173120
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13NW (E)	0	1	473280 173120
55	**Source Protection Zones** Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NW (E)	0	2	473280 173120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	**Source Protection Zones** Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A13NW (E)	0	2	473280 173120
57	**Source Protection Zones** Name: Reading University Source: Environment Agency, Head Office Reference: Th200 Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A8SE (S)	975	2	473348 172132
	Extreme Flooding from Rivers or Sea without Defences None				
	Flooding from Rivers or Sea without Defences None				
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
58	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 224.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A18SW (NW)	615	4	472958 173668
59	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 86.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Kennet and Avon Canal Catchment Name: Thames Primacy: 1	A17SE (NW)	628	4	472820 173578
60	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 109.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A18SW (NW)	628	4	473008 173707
61	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 24.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	628	4	473008 173707
62	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 394.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A17SE (NW)	631	4	472823 173584
63	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 43.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	646	4	472988 173718

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
64	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 296.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Kennet and Avon Canal Catchment Name: Thames Primacy: 1	A17SE (NW)	654	4	472751 173539
65	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	667	4	472945 173720
66	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 33.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	672	4	472936 173721
67	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 51.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17SE (NW)	691	4	472902 173724
68	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 112.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A18NW (N)	699	4	473057 173802
69	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 203.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A18NW (N)	768	4	473261 173903
70	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	772	4	473289 173906
71	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 214.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A18NE (N)	772	4	473289 173906
72	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 560.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A18NW (N)	795	4	473086 173909

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 456.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	804	4	473286 173938
74	**OS Water Network Lines** Watercourse Form: Canal Watercourse Length: 487.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Kennet and Avon Canal Catchment Name: Thames Primacy: 1	A12NW (W)	842	4	472476 173432
75	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A12NW (W)	842	4	472476 173432
76	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 162.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A17SW (NW)	861	4	472468 173463
77	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 375.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Thames Catchment Name: Thames Primacy: 1	A18NE (N)	884	4	473485 173991
78	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 137.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A14SE (E)	923	4	474203 172924
79	**OS Water Network Lines** Watercourse Form: Lake Watercourse Length: 864.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	937	4	473301 174071
80	**OS Water Network Lines** Watercourse Form: Inland river Watercourse Length: 46.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A9SW (SE)	964	4	473841 172315

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	**Historical Landfill Sites** Licence Holder: Not Supplied Location: Reading, Berkshire Name: Napier Road Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13277 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Deposited Waste included Inert and Industrial Waste EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0345/0169 BGS Ref: Not Supplied Other Ref: TP0266, RDG3	A18NW (N)	759	2	473015 173851
82	**Historical Landfill Sites** Licence Holder: Deans Farm Location: Redlands Pit, Reading, Caversham, Berkshire Name: Deans Farm Operator Location: Howbery Park, Wallingford, Oxfordshire Boundary Accuracy: As Supplied Provider Reference: EAHLD35722 First Input Date: Not Supplied Last Input Date: Not Supplied Specified Waste Type: Not Supplied EA Waste Ref: 86148 Regis Ref: Not Supplied WRC Ref: Not Supplied BGS Ref: Not Supplied Other Ref: Not Supplied	A18NW (N)	841	2	473271 173976
83	**Licensed Waste Management Facilities (Landfill Boundaries)** Name: Deans Farm Licence Number: 86148 Location: Environment Agency West Area_____, Deans Farm, Redlands Pit, Caversham, Reading, Berkshire, RG4 5JZ Licence Holder: Environment Agency Authority: Environment Agency - Southern Region, Solent and South Downs Site Category: Landfills Taking Other Wastes (Construction, Demolition, Dredgings) Max Input Rate: Not Supplied **Licence Status: Inactive** Issued: 1st June 1992 Positional Accuracy: Positioned by the supplier Boundary Accuracy: As Supplied	A18NW (N)	841	2	473271 173976
	Local Authority Landfill Coverage Name: Reading Unitary Council - Has supplied landfill data		0	5	473280 173120
	Local Authority Landfill Coverage Name: Wokingham District Council - Has supplied landfill data		492	6	473533 173556
	Local Authority Landfill Coverage Name: Oxfordshire County Council - Has supplied landfill data		768	8	473239 173902
	Local Authority Landfill Coverage Name: South Oxfordshire District Council - Landfill data has been supplied by another authority		768	7	473239 173902
84	**Local Authority Recorded Landfill Sites** Location: Napier Road Landfill Reference: Not Supplied Authority: Reading Borough Council, Planning **Last Reported Status: Unknown** Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A17NE (NW)	848	5	472900 173900
85	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SE (SE)	100	-	473385 173060
86	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SE (SE)	230	-	473510 173020

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	**Potentially Infilled Land (Non-Water)** Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SW (E)	347	-	473620 172980
88	**Potentially Infilled Land (Non-Water)** Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	375	-	473197 172738
89	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SE (N)	511	-	473331 173641
90	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SW (N)	535	-	473163 173660
91	**Potentially Infilled Land (Non-Water)** Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A9NW (SE)	631	-	473764 172685
92	**Potentially Infilled Land (Non-Water)** Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NE (N)	705	-	473295 173838
93	**Potentially Infilled Land (Non-Water)** Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19NW (NE)	798	-	473643 173845
94	**Registered Landfill Sites** Licence Holder: Environment Agency Licence Reference: OCC/106 Site Location: Deans Farm, Readlands Gravel Pit, Caversham, Reading, Berkshire, Rg4 5jz Licence Easting: 473100 Licence Northing: 174100 Operator Location: Isis House, Howbery Park, Wallingford, Oxfordshire, Ox10 8bd Authority: Environment Agency - Thames Region, West Area Site Category: Landfill Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year) Waste Source Restrictions: Waste produced/controlled by licence holder Status: Operational as far as is knownOperational Dated: 1st June 1992 Preceded By Licence: Not Given Superseded By Licence: Not Given Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Solid River Dredgings Comprising Sub/Topsoil, Clay,Sand, Gravel, Silt Prohibited Waste: Poisonous, Noxious, Polluting Wastes Waste N.O.S.	A18NW (N)	979	2	473100 174100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
95	**Control of Major Accident Hazards Sites (COMAH)** Name: Transco Plc Location: London Road, READING, Berkshire, RG6 1AZ Reference: Not Supplied Type: Upper Tier **Status: Record Ceased To Be Supplied Under COMAH Regulations** Positional Accuracy: Manually positioned to the address or location	A18SW (N)	628	9	473267 173762
96	**Control of Major Accident Hazards Sites (COMAH)** Name: Southern Gas Networks Plc Location: Reading Holder Station, Kenavon Drive,Reading, Berkshire, Rg1 3DH Reference: Not Supplied Type: Upper Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	662	9	472892 173682
96	**Control of Major Accident Hazards Sites (COMAH)** Name: Transco Plc Location: Reading Holder Station, Kenavon Drive, Reading, Berkshire, RG1 3DH Reference: 1021948 Type: Lower Tier **Status: Active** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	672	9	472880 173686
97	**Control of Major Accident Hazards Sites (COMAH)** Name: Transco Plc Location: Kenavon Drive, READING, RG1 3DJ Reference: 1021523 Type: Upper Tier **Status: Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	793	9	472697 173688
98	**Notification of Installations Handling Hazardous Substances (NIHHS)** Name: British Gas TransCo Location: Reading Holder Station (4&5 Sites), Gas Works Road ; Kennet Mouth, London Road, READING, Berkshire, RG1 3DJ **Status: Not Active** Positional Accuracy: Automatically positioned to the address	A17SE (NW)	786	9	472702 173683
99	**Planning Hazardous Substance Consents** Name: British Gas Plc Location: Kenavon Drive, Reading, Rg1 3dj Authority: Reading Borough Council, Planning Application Ref: 99/00038/HAZARD Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 15th December 1998 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	659	5	472895 173680
99	**Planning Hazardous Substance Consents** Name: British Gas Plc Location: Kenavon Drive, Reading, Rg1 3dj Authority: Reading Borough Council, Planning Application Ref: 92/00884/HAZARD Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 12th November 1992 **Decision: Deemed Consent GrantedGranted** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	659	5	472895 173680
99	**Planning Hazardous Substance Consents** Name: British Gas Plc Location: Kenavon Drive, Reading, Rg1 3dj Authority: Reading Borough Council, Planning Application Ref: 00/01175/HAZARD Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 8th September 2000 **Decision: Withdrawn** Positional Accuracy: Manually positioned to the address or location	A17SE (NW)	663	5	472895 173685

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
100	**Planning Hazardous Substance Consents** Name: Royal Berkshire Nhs Foundation Trust Location: Royal Berkshire Hospital, London Road, Reading, Rg1 5an Authority: Reading Borough Council, Planning Application Ref: 11/01974/HAZARD Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 0 Application date: 21st December 2011 **Decision: Withdrawn** Positional Accuracy: Manually positioned to the address or location	A12SW (SW)	839	5	472494 172784

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lambeth Group	A13NW (E)	0	1	473280 173120
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13NW (E)	0	1	473280 173120
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18SE (N)	545	1	473368 173669
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A8NW (SW)	687	1	473000 172477
101	**BGS Recorded Mineral Sites** Site Name: Wokingham Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234946 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	98	1	473382 173059
102	**BGS Recorded Mineral Sites** Site Name: Wokingham Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234947 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	227	1	473507 173019
103	**BGS Recorded Mineral Sites** Site Name: Wokingham Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234948 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	346	1	473618 172976

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
104	**BGS Recorded Mineral Sites** Site Name: Reading School Gravel Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234944 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (S)	372	1	473188 172744
105	**BGS Recorded Mineral Sites** Site Name: Reading School Gravel Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234945 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	384	1	473115 172757
106	**BGS Recorded Mineral Sites** Site Name: Palmer Park Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234949 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A14SW (E)	427	1	473714 173008
107	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36349 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	503	1	473320 173634
108	**BGS Recorded Mineral Sites** Site Name: Palmer Park Denehole Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220852 Type: Underground **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 100m	A14NW (E)	507	1	473800 173200
109	**BGS Recorded Mineral Sites** Site Name: Cholmelly Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234950 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (N)	536	1	473159 173660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
110	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234943 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	712	1	473737 172551
111	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36347 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NE (N)	751	1	473414 173870
112	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36345 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	752	1	473825 172575
113	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234942 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	796	1	473787 172483
114	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234940 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	817	1	473878 172536
115	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234939 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	828	1	473847 172491

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
116	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36348 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	850	1	473680 173884
117	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234941 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	868	1	473816 172415
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Man-Made Mining Cavities Easting: 473800 Northing: 173200 Distance: 507 Quadrant Reference: A14 Quadrant Reference: NW Bearing Ref: E Cavity Type: Multiple Chalk Bell Pit Workings Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Detail: Taplow Gravel	A14NW (E)	507	10	473800 173200
	Man-Made Mining Cavities Easting: 473900 Northing: 172600 Distance: 789 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Historical Brick and Works-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Worked Ground	A9NW (SE)	789	10	473900 172600
	Natural Cavities Easting: 473400 Northing: 173100 Distance: 101 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: E Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology Detail: Taplow Gravel	A13SE (E)	101	10	473400 173100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 473100 Northing: 173000 Distance: 200 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: SW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Taplow Gravel	A13SW (SW)	200	10	473100 173000
	Natural Cavities Easting: 473600 Northing: 172900 Distance: 368 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Taplow Gravel	A13SE (SE)	368	10	473600 172900
	Natural Cavities Easting: 472900 Northing: 173200 Distance: 370 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group Superficial Geology Detail: Taplow Gravel	A12NE (W)	370	10	472900 173200
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	473291 173077
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	473291 173077
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	62	1	473305 173046
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	89	1	473275 173224
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	473291 173077

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
118	**Contemporary Trade Directory Entries** Name: Ilir Skura Location: 28, Wokingham Road, Reading, RG6 1JQ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	0	-	473270 173124
118	**Contemporary Trade Directory Entries** Name: Warm Interiors Location: 22, Wokingham Road, Reading, RG6 1JQ Classification: Fireplaces & Mantelpieces **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	22	-	473243 173137
119	**Contemporary Trade Directory Entries** Name: Pile Mower Services Location: 32, Wokingham Road, Reading, RG6 1JH Classification: Lawnmowers & Garden Machinery - Sales & Service **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	94	-	473393 173096
119	**Contemporary Trade Directory Entries** Name: Magat Health Solution Ltd Location: 34a, Wokingham Road, Reading, RG6 1JH Classification: Catering Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (E)	102	-	473398 173086
120	**Contemporary Trade Directory Entries** Name: Mavisat Ltd Location: 2-4, Wokingham Road, Reading, Berkshire, RG6 1JG Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	101	-	473165 173153
121	**Contemporary Trade Directory Entries** Name: Reading Cemetery Location: London Rd, Reading, Berkshire, RG1 5BJ Classification: Cemeteries & Crematoria **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NE (NE)	118	-	473374 173212
122	**Contemporary Trade Directory Entries** Name: Butts Location: 225a, London Road, Reading, RG1 3NY Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	119	-	473200 173235
122	**Contemporary Trade Directory Entries** Name: A & A Transmission Location: 229 London Rd, Reading, Berkshire, RG1 3NY Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	122	-	473210 173244
122	**Contemporary Trade Directory Entries** Name: F A Auto Engineering Location: 229, London Road, Reading, RG1 3NY Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	123	-	473210 173245
122	**Contemporary Trade Directory Entries** Name: A4 Scooter Store Location: 237, London Road, Reading, RG1 3NY Classification: Motor Cycle Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	125	-	473247 173258
122	**Contemporary Trade Directory Entries** Name: Reality Location: 237, London Road, Reading, Berkshire, RG1 3NY Classification: Garage Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (N)	125	-	473247 173258
122	**Contemporary Trade Directory Entries** Name: Reading Stained Glass Ltd Location: 213, London Road, Reading, RG1 3NY Classification: Stained Glass Designers & Producers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	134	-	473166 173225

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
122	**Contemporary Trade Directory Entries** Name: C R Autos Location: B, 2, Amity Road, Reading, RG1 3LJ Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	160	-	473225 173290
122	**Contemporary Trade Directory Entries** Name: Wexham Developments 93 Location: C, 2, Amity Road, Reading, Berkshire, RG1 3LJ Classification: Testing, Inspection & Calibration Equipment Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	160	-	473225 173290
122	**Contemporary Trade Directory Entries** Name: W Franks Location: C, 2, Amity Road, Reading, Berkshire, RG1 3LJ Classification: Precision Engineers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (N)	160	-	473225 173290
123	**Contemporary Trade Directory Entries** Name: Kennet Joinery Ltd Location: 2a, Cumberland Road, Reading, RG1 3LB Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (NW)	156	-	473159 173249
124	**Contemporary Trade Directory Entries** Name: Swatchtime Fabrics Location: 189a, London Road, Reading, RG1 3NU Classification: Textile Manufacturing **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A13NW (NW)	189	-	473090 173206
125	**Contemporary Trade Directory Entries** Name: Berkshire Joinery Co Ltd Location: 1, Wokingham Road, Reading, RG6 1LE Classification: Joinery Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SE (E)	198	-	473498 173094
126	**Contemporary Trade Directory Entries** Name: Highgrove Heating Location: 46, Hamilton Road, Reading, RG1 5RD Classification: Boilers - Servicing, Replacements & Repairs **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SE (SE)	198	-	473374 172929
127	**Contemporary Trade Directory Entries** Name: Abc Office Furniture Location: 162, London Road, Reading, RG1 3PA Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	282	-	473492 173327
128	**Contemporary Trade Directory Entries** Name: Mirek Azentis Location: 320, Kings Road, Reading, Berkshire, RG1 4JG Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NW (W)	315	-	472953 173185
129	**Contemporary Trade Directory Entries** Name: Mem Saab World Of Fabric Location: 89, Erleigh Road, Reading, RG1 5NN Classification: Clothing & Fabrics - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8NW (S)	350	-	473273 172754
130	**Contemporary Trade Directory Entries** Name: Donnington Cars Location: 37, Erleigh Road, Reading, RG1 5NB Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	370	-	473016 172839
130	**Contemporary Trade Directory Entries** Name: A To Z Location: 32, Erleigh Road, Reading, RG1 5NA Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	415	-	472995 172797

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	**Contemporary Trade Directory Entries** Name: A-Z Dry Cleaners Location: 32, Erleigh Road, READING, RG1 5NA Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	415	-	472995 172797
131	**Contemporary Trade Directory Entries** Name: Ebumblebee Store Uk Location: 18, Manchester Road, Reading, RG1 3QN Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13NE (NE)	384	-	473497 173452
132	**Contemporary Trade Directory Entries** Name: Exquisite Carpet Cleaning Location: 71, Norton Road, Reading, RG1 3QH Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	400	-	473377 173519
132	**Contemporary Trade Directory Entries** Name: Cheapest Rubbish Removals Location: 71, Norton Road, Reading, RG1 3QH Classification: Rubbish Clearance **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	400	-	473377 173519
133	**Contemporary Trade Directory Entries** Name: Aider Cleaning Services Location: 35, Manchester Road, Reading, RG1 3QE Classification: Cleaning Services - Domestic **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	403	-	473449 173499
134	**Contemporary Trade Directory Entries** Name: The Launderette Location: 28, Erleigh Road, Reading, RG1 5NA Classification: Laundries & Launderettes **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A13SW (SW)	427	-	472980 172795
135	**Contemporary Trade Directory Entries** Name: Helm Office Interiors Ltd Location: Hatherley Rd, Reading, Berkshire, RG1 5QA Classification: Office Furniture & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A8NW (SW)	450	-	473072 172704
135	**Contemporary Trade Directory Entries** Name: Wyeth Motorcycles Location: 36a, Hatherley Road, Reading, RG1 5QA Classification: Motor Cycle Breakers & Dismantlers **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (SW)	458	-	473060 172702
136	**Contemporary Trade Directory Entries** Name: Fourthtrack Systems Location: 107, Cumberland Road, Reading, RG1 3JY Classification: Electronic Equipment - Manufacturers & Assemblers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (NW)	473	-	472976 173509
137	**Contemporary Trade Directory Entries** Name: A1 Domestic Appliance Repairs Location: 63, Liverpool Road, Reading, RG1 3PN Classification: Domestic Appliances - Servicing, Repairs & Parts **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SW (N)	476	-	473274 173610
138	**Contemporary Trade Directory Entries** Name: Multicolour Development Location: 67a, Foxhill Road, READING, RG1 5QR Classification: Printers - Glass, Metal, Plastics Etc. **Status: Active** Positional Accuracy: Automatically positioned to the address	A8NW (S)	555	-	473276 172549
139	**Contemporary Trade Directory Entries** Name: A Bit Of Spit And Polish Location: 10, Culver Road, Reading, RG6 1QA Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	561	-	473788 172835

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	**Contemporary Trade Directory Entries** Name: Maple Tree Clinic Location: Unit 6 & 7 ,Centurion Court,64 London Rd, Reading, Berkshire, RG1 5AS Classification: Hospitals **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12SE (W)	571	-	472698 173052
141	**Contemporary Trade Directory Entries** Name: Industrial Products & Supplies Ltd Location: Unit 41, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	574	-	473700 173531
141	**Contemporary Trade Directory Entries** Name: Clyde & Forth Press Location: Unit 41,Suttons Business Pk,Suttons Pk Av, Earley, Reading, Berkshire, RG6 1AA Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	580	-	473701 173539
141	**Contemporary Trade Directory Entries** Name: Industrial Product & Supplies Location: Unit 41, Suttons Business Park, Sutton Park Avenue, Earley, READING, RG6 1AZ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	583	-	473705 173539
141	**Contemporary Trade Directory Entries** Name: Industrial Products & Supplies Ltd Location: Unit 41, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Engineering Materials **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	583	-	473705 173539
141	**Contemporary Trade Directory Entries** Name: Tuthill Controls Ltd Location: Unit 41, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Bearing Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	583	-	473705 173539
142	**Contemporary Trade Directory Entries** Name: National Centre For Biotechnology Education Location: 2 Earley Gate, Reading, Berkshire, RG6 6AU Classification: Laboratories **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	581	-	473353 173709
143	**Contemporary Trade Directory Entries** Name: Berkshire Recovery & Breakdown Location: 7, Florence Walk, Reading, RG1 3HH Classification: Car Breakdown & Recovery Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A12NE (NW)	581	-	472772 173444
144	**Contemporary Trade Directory Entries** Name: M R Lijinsky Location: 11, Montague Street, Reading, RG1 4JH Classification: French Polishing **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	588	-	472679 173195
144	**Contemporary Trade Directory Entries** Name: Kwon Services Ltd Location: 258b-260, Kings Road, Reading, Berkshire, RG1 4HP Classification: Cleaning Materials & Equipment **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	593	-	472678 173224
144	**Contemporary Trade Directory Entries** Name: Kwon Services Ltd Location: 258b-260, Kings Road, Reading, Berkshire, RG1 4HP Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	593	-	472678 173224

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	**Contemporary Trade Directory Entries** Name: Lighting Services Inc Location: Market Analysis Ltd, Berkshire House, 252-256, Kings Road, Reading, RG1 4HP Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	620	-	472651 173225
144	**Contemporary Trade Directory Entries** Name: A B L Systems Ltd Location: Berkshire House, 252-256, Kings Road, Reading, RG1 4HP Classification: Cash Registers & Check-Out Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	620	-	472651 173225
144	**Contemporary Trade Directory Entries** Name: Tyco Products Ltd Location: 252-256, Kings Road, Reading, Berkshire, RG1 4HP Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	620	-	472651 173225
144	**Contemporary Trade Directory Entries** Name: Adabra Ltd Location: 252-256, Kings Road, Reading, RG1 4HP Classification: Electrical Goods Sales, Manufacturers & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	620	-	472651 173225
144	**Contemporary Trade Directory Entries** Name: Wessington Ltd Location: 252-256, Kings Road, Reading, RG1 4HP Classification: Chemicals - Distributors & Wholesalers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	620	-	472651 173225
144	**Contemporary Trade Directory Entries** Name: Aci Location: 252-256, Kings Road, Reading, RG1 4HP Classification: Freight Forwarders **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	620	-	472651 173225
144	**Contemporary Trade Directory Entries** Name: Nec Tokin (Europe) Location: 252-256 Kings Rd, Reading, Berkshire, RG1 4HP Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	621	-	472650 173224
144	**Contemporary Trade Directory Entries** Name: Lighting Services Inc Location: 252-256 Kings Rd, Reading, Berkshire, RG1 4HP Classification: Lighting Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NE (W)	621	-	472650 173224
144	**Contemporary Trade Directory Entries** Name: Lawrence C J Ltd Location: 27, Eldon Terrace, Reading, Berkshire, RG1 4DX Classification: Waste Disposal Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NE (W)	627	-	472639 173179
145	**Contemporary Trade Directory Entries** Name: Masters Bookbinding Location: Unit 40, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Bookbinding & Equipment **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	598	-	473726 173540
145	**Contemporary Trade Directory Entries** Name: Mollart Universal Joints Location: 37, Suttons Business Park, Sutton Park Avenue, Reading, RG6 1HF Classification: Engineering Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	613	-	473776 173505

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	**Contemporary Trade Directory Entries** Name: I T W Buildex Location: 37, Suttons Business Park, Sutton Park Avenue, Reading, RG6 1HF Classification: Fasteners & Fixing Devices **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	613	-	473776 173505
145	**Contemporary Trade Directory Entries** Name: Polyco Ltd Location: Unit 38/39, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Builders' Merchants **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	621	-	473761 173535
145	**Contemporary Trade Directory Entries** Name: Rhl Location: Unit 39, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Ventilators & Ventilation Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	621	-	473761 173535
146	**Contemporary Trade Directory Entries** Name: Graphic Printing Technologies Ltd Location: Unit 15, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Printing Equipment Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	619	-	473468 173721
146	**Contemporary Trade Directory Entries** Name: Pretty Green Location: Unit 16, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (N)	628	-	473493 173722
146	**Contemporary Trade Directory Entries** Name: Rentokil Initial Location: Unit 17, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	642	-	473505 173732
146	**Contemporary Trade Directory Entries** Name: Initial Location: Unit 17, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	642	-	473505 173732
146	**Contemporary Trade Directory Entries** Name: Rentokil Pest Control Location: Unit 17, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Pest & Vermin Control **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	642	-	473505 173732
146	**Contemporary Trade Directory Entries** Name: Access Ltd Location: Unit 18-20, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Computer Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A18SE (NE)	648	-	473548 173723
147	**Contemporary Trade Directory Entries** Name: Snap-On Equipment Ltd Location: Unit 48, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Garage Equipment **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	645	-	473686 173638

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
148	**Contemporary Trade Directory Entries** Name: Select Technology Ltd Location: Unit 1, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Photocopiers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	649	-	473393 173771
149	**Contemporary Trade Directory Entries** Name: Cosmic Drifters Location: 92, Bulmershe Road, Reading, RG1 5RL Classification: Clothing & Fabrics - Manufacturers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NW (SE)	652	-	473660 172570
150	**Contemporary Trade Directory Entries** Name: Pencor Ltd Location: Unit 4, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Oil & Gas Exploration Supplies & Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A18SE (N)	666	-	473454 173774
151	**Contemporary Trade Directory Entries** Name: Alexander Services Location: A, 43, Wokingham Road, Reading, RG6 1LG Classification: Ironing & Home Laundry Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SW (SE)	668	-	473896 172811
152	**Contemporary Trade Directory Entries** Name: A W Mobile Servicing Location: Flat 29, Queens Lawns, 48, Alexandra Road, Reading, RG1 5PR Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A7NE (SW)	685	-	472936 172510
153	**Contemporary Trade Directory Entries** Name: Changing Horizons Associates Ltd Location: 27, Eldon Square, Reading, RG1 4DP Classification: Musical Instrument - Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	687	-	472577 173115
154	**Contemporary Trade Directory Entries** Name: A E Petsche Co Location: Unit 37 Suttons Business Park, Suttonpark Avenue, Earley, Reading, Berkshire, RG6 1AZ Classification: Distribution Services **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	692	-	473655 173716
154	**Contemporary Trade Directory Entries** Name: A E Petshe Location: Unit 37,Suttons Business Pk,Sutton Pk Av, Earley, Reading, Berkshire, RG6 1AZ Classification: Distribution Services **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	692	-	473655 173716
154	**Contemporary Trade Directory Entries** Name: Rentokil Property Care Location: Suttons Business Park,Sutton Park Avenue, Earley, Reading, Berkshire, RG6 1AZ Classification: Damp & Dry Rot Control **Status: Active** Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	692	-	473655 173716
154	**Contemporary Trade Directory Entries** Name: Ridgeway Systems & Software Ltd Location: Unit 66/67, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	702	-	473645 173734
155	**Contemporary Trade Directory Entries** Name: Purco Print Location: 7, Upper Redlands Road, Reading, RG1 5JJ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	698	-	473380 172413

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
156	**Contemporary Trade Directory Entries** Name: L J P Carpentry Location: 21, Eldon Street, Reading, RG1 4EA Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	701	-	472565 173187
156	**Contemporary Trade Directory Entries** Name: L J Pullen Location: 21, Eldon Street, Reading, RG1 4EA Classification: Cabinet Makers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	701	-	472565 173187
157	**Contemporary Trade Directory Entries** Name: Access Telecom Location: 187-189, Kings Road, Reading, Berkshire, RG1 4EX Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	710	-	472573 173296
157	**Contemporary Trade Directory Entries** Name: Logoplast Uk Ltd Location: 187-189, Kings Road, Reading, Berkshire, RG1 4EX Classification: Plastic Products - Manufacturers **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	710	-	472573 173296
157	**Contemporary Trade Directory Entries** Name: Impact Solutions Group Ltd Location: 181-183, Kings Road, Reading, Berkshire, RG1 4EX Classification: Oil & Gas Exploration Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	758	-	472525 173301
157	**Contemporary Trade Directory Entries** Name: Impact Solutions Group Location: 181-183, Kings Road, Reading, Berkshire, RG1 4EX Classification: Oil & Gas Exploration Supplies & Services **Status: Inactive** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	758	-	472525 173301
158	**Contemporary Trade Directory Entries** Name: Camhs Children & Adolescence Mental Health Services Location: 3-5, Craven Road, Reading, RG1 5LF Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	734	-	472561 172913
159	**Contemporary Trade Directory Entries** Name: Purco Print Location: Unit 4-5,Barnat Works,1A Upper Redlands Rd, Reading, Berkshire, RG1 5JJ Classification: Printers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SE (S)	737	-	473406 172378
159	**Contemporary Trade Directory Entries** Name: Printmagic Location: 1a, Upper Redlands Road, Reading, RG1 5JJ Classification: Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A8SE (S)	754	-	473393 172358
160	**Contemporary Trade Directory Entries** Name: Inxpress Location: 91, Wokingham Road, Reading, RG6 1LH Classification: Freight Forwarders **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	789	-	473979 172712
160	**Contemporary Trade Directory Entries** Name: Wokingham Tools Location: 97-99, Wokingham Road, READING, RG6 1LH Classification: Tool Sharpening, Repairing & Servicing **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	802	-	473988 172702
161	**Contemporary Trade Directory Entries** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	-	472458 173005

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	**Contemporary Trade Directory Entries** Name: Berkshire Private X-Rays Location: London Road, Reading, RG1 5AN Classification: Radiographic Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	-	472458 173005
161	**Contemporary Trade Directory Entries** Name: Royal Berkshire & Battle Hospitals Nhs Trust Location: London Road, Reading, RG1 5AN Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	-	472458 173005
161	**Contemporary Trade Directory Entries** Name: The Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Classification: Hospitals **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12SW (W)	815	-	472458 173005
162	**Contemporary Trade Directory Entries** Name: Worldwide Communications Location: 103, Wokingham Road, Reading, Berkshire, RG6 1LH Classification: Telecommunications Equipment & Systems **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	815	-	473998 172692
162	**Contemporary Trade Directory Entries** Name: Laundro-Coin Location: 107, Wokingham Road, Reading, RG6 1LH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	828	-	474009 172686
162	**Contemporary Trade Directory Entries** Name: Wokingham Road Motors Location: 1, Pitcroft Avenue, Reading, RG6 1NH Classification: Garage Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	854	-	474038 172683
162	**Contemporary Trade Directory Entries** Name: Beacon House Cleaners Location: 123, Wokingham Road, Reading, RG6 1LH Classification: Dry Cleaners **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	872	-	474040 172652
163	**Contemporary Trade Directory Entries** Name: Scrap Yard In Reading Htt Location: Unit Lb Kenavon Drive, Reading, Berkshire, rg1 3dh Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A17SW (NW)	843	-	472536 173559
164	**Contemporary Trade Directory Entries** Name: Brakes Logistics Location: Unit 24, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Distribution Services **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	845	-	473950 173659
165	**Contemporary Trade Directory Entries** Name: Berkshire Valet Supplies Location: B, 190, Kings Road, Reading, RG1 4NH Classification: Janitorial Equipment - Servicing & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	878	-	472396 173265
166	**Contemporary Trade Directory Entries** Name: A P Screenprinters Ltd Location: Unit 33, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Screen Process Printers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	880	-	473886 173777

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
166	**Contemporary Trade Directory Entries** Name: Sorodo Ltd Location: Unit 33, Suttons Business Park, Sutton Park Avenue, Earley, Reading, Berkshire, RG6 1AZ Classification: Print Finishers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SW (NE)	880	-	473886 173777
167	**Contemporary Trade Directory Entries** Name: Fereday & Pocock Location: 3, Princes Street, Reading, RG1 4EG Classification: Blinds, Awnings & Canopies **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	885	-	472378 173144
168	**Contemporary Trade Directory Entries** Name: My Home Services Ltd Location: Unit F7 ,University Of Reading, Reading, Berkshire, RG6 6AT Classification: Carpet, Curtain & Upholstery Cleaners **Status: Inactive** Positional Accuracy: Manually positioned within the geographical locality	A8SW (S)	896	-	473236 172209
169	**Contemporary Trade Directory Entries** Name: Kodak Processing Location: Kenavon Drive, Reading, RG1 3HT Classification: Photographic Processors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	900	-	472491 173595
169	**Contemporary Trade Directory Entries** Name: Northern Freight Services Ltd Location: Kenavon Drive, Reading, RG1 3HT Classification: Road Haulage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	900	-	472491 173595
170	**Contemporary Trade Directory Entries** Name: Firstklean Location: 10, Milton Road, Earley, Reading, RG6 1EL Classification: Commercial Cleaning Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14NE (E)	920	-	474215 173212
171	**Contemporary Trade Directory Entries** Name: Scrap My Car Now For Money Reading Kws Location: 60, The Meridian, Kenavon Drive, READING, RG1 3DQ Classification: Car Breakers & Dismantlers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A17SW (NW)	931	-	472421 173528
172	**Contemporary Trade Directory Entries** Name: Spick N Span Location: Flat 12, Thames House, Regis Park Road, Reading, RG6 7AF Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	934	-	473960 172453
173	**Contemporary Trade Directory Entries** Name: Kimberlite Glass Location: 2, Brighton Road, Reading, RG6 1PS Classification: Boilers - Servicing, Replacements & Repairs **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	946	-	474118 172638
174	**Contemporary Trade Directory Entries** Name: Moog Location: Unit 30, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AW Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	946	-	473985 173772
174	**Contemporary Trade Directory Entries** Name: Moog Components Ltd Location: Unit 30, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AW Classification: Electronic Component Manufacturers & Distributors **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	946	-	473985 173772

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	**Contemporary Trade Directory Entries** Name: B P Service Station Location: 69, London Road, Reading, RG1 5BW Classification: Petrol Filling Stations **Status: Active** Positional Accuracy: Automatically positioned to the address	A12SW (W)	951	-	472319 173024
176	**Contemporary Trade Directory Entries** Name: Fifth Gear Industries Ltd Location: 131, Wokingham Road, Reading, RG6 1LW Classification: Car Dealers **Status: Active** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	952	-	474087 172577
176	**Contemporary Trade Directory Entries** Name: Bp Service Stations Location: 131, Wokingham Road, Reading, RG6 1LW Classification: Petrol Filling Stations - 24 Hour **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A9NE (SE)	952	-	474087 172577
177	**Contemporary Trade Directory Entries** Name: Q Tek Tyre Centre Location: A, 4, Kennet Street, Reading, RG1 4AA Classification: Tyre Dealers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	952	-	472329 173310
178	**Contemporary Trade Directory Entries** Name: Oven Glow Reading Location: 65, Watlington Street, Reading, RG1 4RQ Classification: Oven cleaning **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	958	-	472306 173135
179	**Contemporary Trade Directory Entries** Name: Rockwell Collins Location: Unit 68, Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Classification: Aviation Engineers **Status: Active** Positional Accuracy: Automatically positioned to the address	A19SE (NE)	964	-	474109 173641
180	**Contemporary Trade Directory Entries** Name: Pride Of Place Location: 100, Queens Road, Reading, RG1 4DG Classification: Cleaning Services - Domestic **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	974	-	472297 173253
180	**Contemporary Trade Directory Entries** Name: All In One Windows & Conservatories Location: 96a, Queens Road, Reading, RG1 4DG Classification: Window Frame Manufacturers **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A12NW (W)	981	-	472290 173248
181	**Contemporary Trade Directory Entries** Name: N & P Mobile Repairs Location: 47, Wykeham Road, Reading, RG6 1PR Classification: Garage Services **Status: Inactive** Positional Accuracy: Automatically positioned to the address	A14SE (E)	988	-	474246 172828
182	**Contemporary Trade Directory Entries** Name: The Laundrette Location: Wokingham Rd, Reading, Berkshire, RG6 1LW Classification: Dry Cleaners **Status: Inactive** Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	988	-	474082 172509
183	**Fuel Station Entries** Name: Kings Road Filling Station Location: 191, Kings Road, READING, Berkshire, RG1 4JL Brand: Obsolete Premises Type: Not Applicable **Status: Obsolete** Positional Accuracy: Manually positioned to the address or location	A12NW (W)	689	-	472591 173280

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
184	**Fuel Station Entries** Name: Reading Service Station Location: 69, London Road, Reading, RG1 5BW Brand: Bp Premises Type: Petrol Station **Status: Open** Positional Accuracy: Automatically positioned to the address	A12SW (W)	951	-	472319 173024
185	**Points of Interest - Commercial Services** Name: Reality Shock Autos Location: 223b London Road, Reading, RG1 3NY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	120	11	473195 173233
185	**Points of Interest - Commercial Services** Name: Reality Shock Autos Location: 223 London Road, Reading, RG1 3NY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (NW)	120	11	473195 173233
185	**Points of Interest - Commercial Services** Name: Reality Location: 237 London Road, Reading, RG1 3NY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NW (N)	125	11	473247 173258
186	**Points of Interest - Commercial Services** Name: A M 9 Location: 261 London Road, Reading, RG1 3NY Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (N)	177	11	473320 173303
187	**Points of Interest - Commercial Services** Name: Newton Motor Spares Location: 14 Manchester Road, Reading, RG1 3QN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13NE (NE)	378	11	473499 173443
188	**Points of Interest - Commercial Services** Name: Wyeth Motorcycles Location: 36 Hatherley Road, Reading, RG1 5QA Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A8NW (SW)	458	11	473059 172702
188	**Points of Interest - Commercial Services** Name: J W Wyeth Motorcycles Location: 36a Hatherley Road, Reading, RG1 5QA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8NW (SW)	458	11	473060 172702
189	**Points of Interest - Commercial Services** Name: Core Global Logistics Location: Unit 47 Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	576	11	473656 173574
189	**Points of Interest - Commercial Services** Name: Snap on Equipment Ltd Location: 48 Sutton Park Avenue, Earley, Reading, RG6 1AZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SW (NE)	645	11	473686 173638
190	**Points of Interest - Commercial Services** Name: FPS Ltd Location: Unit 54 Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (NE)	577	11	473554 173641

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
191	**Points of Interest - Commercial Services** Name: Berkshire Recovery & Breakdown Location: 7 Florence Walk, Reading, RG1 3HH Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A12NE (NW)	581	11	472772 173443
192	**Points of Interest - Commercial Services** Name: Clyde & Forth Press Location: East Reading Delivery Office Unit 61 Suttons Business Park, Suttons Park Avenue, Earley, Reading, RG6 1AA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (N)	582	11	473353 173709
192	**Points of Interest - Commercial Services** Name: Clyde & Forth Press Location: East Reading Delivery Office Unit 61 Suttons Business Park, Suttons Park Avenue, Earley, Reading, RG6 1AA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A18SE (N)	582	11	473353 173709
193	**Points of Interest - Commercial Services** Name: A W Mobile Servicing Location: Flat 29 Queens Lawns 48, Alexandra Road, Reading, RG1 5PR Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NE (SW)	686	11	472935 172510
194	**Points of Interest - Commercial Services** Name: Q Tek Car Cleaning Centre Location: 14 Eldon Terrace, Reading, RG1 4DX Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A12NW (W)	743	11	472521 173163
195	**Points of Interest - Commercial Services** Name: Brakes Logistics Location: Unit 24 Suttons Business Park, Sutton Park Avenue, Earley, Reading, RG6 1AZ Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A19SW (NE)	775	11	473935 173561
196	**Points of Interest - Commercial Services** Name: Inxpress Location: 91 Wokingham Road, Reading, RG6 1LH Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NE (SE)	789	11	473979 172712
196	**Points of Interest - Commercial Services** Name: Wokingham Road Motors Location: 1 Pitcroft Avenue, Reading, RG6 1NH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	853	11	474037 172683
196	**Points of Interest - Commercial Services** Name: Wokingham Road Motors Location: 1 Pitcroft Avenue, Reading, RG6 1NH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	854	11	474038 172683
197	**Points of Interest - Commercial Services** Name: Car Wash Location: 69 London Road, Reading, RG1 5BW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (W)	951	11	472319 173024
197	**Points of Interest - Commercial Services** Name: Reading Service Station Location: 69 London Road, Reading, RG1 5BW Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12SW (W)	952	11	472318 173024

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
198	**Points of Interest - Commercial Services** Name: Pit Stop Location: 131 Wokingham Road, Reading, RG6 1LW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	952	11	474087 172577
199	**Points of Interest - Commercial Services** Name: Car Cleaning Centre Location: 4 Kennet Street, Reading, RG1 4AA Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A12NW (W)	952	11	472329 173310
200	**Points of Interest - Education and Health** Name: BUPA Wellness Clinic Location: Centurion Court 64, London Road, Reading, RG1 5AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SE (W)	571	11	472698 173052
200	**Points of Interest - Education and Health** Name: Maple Tree Clinic Location: Unit 6 & 7 , Centurion Court, 64 London Rd, Reading, Berkshire, RG1 5AS Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SE (W)	571	11	472698 173052
201	**Points of Interest - Education and Health** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	815	11	472458 173005
201	**Points of Interest - Education and Health** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	815	11	472458 173005
201	**Points of Interest - Education and Health** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	815	11	472458 173005
201	**Points of Interest - Education and Health** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A12SW (W)	815	11	472458 173005
201	**Points of Interest - Education and Health** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A12SW (W)	815	11	472458 173005
202	**Points of Interest - Education and Health** Name: Royal Berkshire Hospital Location: London Road, Reading, RG1 5AN Category: Health Practitioners and Establishments Class Code: Accident & Emergency Department Positional Accuracy: Positioned to address or location	A7NW (SW)	823	11	472520 172765
203	**Points of Interest - Manufacturing and Production** Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	431	11	473310 172674
204	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SW (NW)	576	11	472968 173628

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG6 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18SE (N)	577	11	473310 173710
206	**Points of Interest - Manufacturing and Production** Name: Barnat Works Location: RG1 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	738	11	473393 172375
207	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG6 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	843	11	473547 173931
208	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	854	11	472495 173506
208	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	898	11	472440 173491
208	**Points of Interest - Manufacturing and Production** Name: Tanks Location: RG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	917	11	472430 173515
209	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	860	11	472513 173553
210	**Points of Interest - Manufacturing and Production** Name: Tank Location: RG1 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	955	11	472493 173697
211	**Points of Interest - Public Infrastructure** Name: Cemetery Location: RG1 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	108	11	473367 173206
212	**Points of Interest - Public Infrastructure** Name: Cemetery Location: RG1 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	222	11	473512 173179
212	**Points of Interest - Public Infrastructure** Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A13NE (E)	230	11	473520 173180
213	**Points of Interest - Public Infrastructure** Name: C J Lawrence Ltd Location: 27 Eldon Terrace, Reading, RG1 4DX Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to address or location	A12NE (W)	627	11	472638 173179

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	**Points of Interest - Public Infrastructure** Name: Weir Location: RG1 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	788	11	472549 173465
214	**Points of Interest - Public Infrastructure** Name: Sluices Location: RG1 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A17SW (NW)	831	11	472505 173471
215	**Points of Interest - Public Infrastructure** Name: Outfall Location: RG1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	828	11	473447 173942
216	**Points of Interest - Public Infrastructure** Name: Reading Murco Service Station Location: 69 London Road, Reading, RG1 5BW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (W)	951	11	472319 173024
216	**Points of Interest - Public Infrastructure** Name: Reading Service Station Location: 69 London Road, Reading, RG1 5BW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (W)	951	11	472319 173024
216	**Points of Interest - Public Infrastructure** Name: BP Service Station Location: 69 London Road, Reading, RG1 5BW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A12SW (W)	952	11	472318 173024
217	**Points of Interest - Public Infrastructure** Name: Outfall Location: RG1 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A17NE (N)	951	11	472911 174017
218	**Points of Interest - Public Infrastructure** Name: BP Service Stations Location: 131 Wokingham Road, Reading, RG6 1LW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9NE (SE)	952	11	474087 172577
219	**Points of Interest - Public Infrastructure** Name: Sluice Location: RG6 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	960	11	473816 172304
220	**Points of Interest - Recreational and Environmental** Name: Playground Location: Wokingham Road, RG6 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A14SW (E)	416	11	473710 173039
220	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	421	11	473715 173039
221	**Points of Interest - Recreational and Environmental** Name: Playground Location: Haywood Court, RG1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	423	11	473655 173346

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A14NW (NE)	432	11	473665 173347
222	**Points of Interest - Recreational and Environmental** Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	615	11	472796 173533
222	**Points of Interest - Recreational and Environmental** Name: Playground Location: Lock Place, RG1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	615	11	472796 173533
223	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Anglers Way, RG1 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A17SE (NW)	687	11	472658 173458
223	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A17SE (NW)	688	11	472657 173458
224	**Points of Interest - Recreational and Environmental** Name: Play Area Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A12NW (W)	937	11	472358 173371

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
225	**Nitrate Vulnerable Zones** Name: Sheeplands Description: Groundwater Source: Environment Agency, Head Office	A18NE (N)	743	13	473309 173876
226	**Nitrate Vulnerable Zones** Name: Thames Wallingford To Caversham Nvz Description: Surface Water Source: Environment Agency, Head Office	A18NW (N)	754	13	473053 173859

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
Reading Borough Council - Environmental Health Department	April 2014	Annual Rolling Update
Wokingham District Council - Environmental Health Department	February 2013	Annual Rolling Update
South Oxfordshire District Council - Environmental Health Department	January 2015	Annual Rolling Update
West Berkshire Council - Environmental Health Department	November 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - Thames Region	October 2017	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Thames Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Thames Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - South East Region - West Thames Area	October 2017	Quarterly
Environment Agency - Thames Region	October 2017	Quarterly
Local Authority Integrated Pollution Prevention And Control		
South Oxfordshire District Council - Environmental Health Department	June 2014	Annual Rolling Update
Wokingham District Council - Environmental Health Department	June 2014	Annual Rolling Update
West Berkshire Council - Environmental Health Department	June 2015	Annual Rolling Update
Reading Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Controls		
South Oxfordshire District Council - Environmental Health Department	June 2014	Annual Rolling Update
Wokingham District Council - Environmental Health Department	June 2014	Annual Rolling Update
West Berkshire Council - Environmental Health Department	June 2015	Bi-Annually
Reading Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements		
South Oxfordshire District Council - Environmental Health Department	June 2014	Annual Rolling Update
Wokingham District Council - Environmental Health Department	June 2014	Annual Rolling Update
West Berkshire Council - Environmental Health Department	June 2015	Annual Rolling Update
Reading Borough Council - Environmental Health Department	October 2014	Annual Rolling Update
Nearest Surface Water Feature		
Ordnance Survey	September 2017	
Pollution Incidents to Controlled Waters		
Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	As notified
Registered Radioactive Substances		
Environment Agency - Thames Region	January 2015	
River Quality		
Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points		
Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points		
Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register		
Environment Agency - South East Region - West Thames Area	October 2017	Quarterly
Environment Agency - Thames Region - South East Area	October 2017	Quarterly
Environment Agency - Thames Region - West Area	October 2017	Quarterly
Water Abstractions		
Environment Agency - Thames Region	October 2017	Quarterly

Data Currency

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	October 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	November 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	November 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	November 2017	Quarterly
Flood Defences Environment Agency - Head Office	November 2017	Quarterly
OS Water Network Lines Ordnance Survey	October 2017	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	As notified

Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites		
Environment Agency - Head Office	October 2017	Quarterly
Integrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - South East Region - West Thames Area	October 2017	Quarterly
Environment Agency - Southern Region - Solent and South Downs	October 2017	Quarterly
Environment Agency - Thames Region - South East Area	October 2017	Quarterly
Environment Agency - Thames Region - West Area	October 2017	Quarterly
Licensed Waste Management Facilities (Locations)		
Environment Agency - South East Region - West Thames Area	October 2017	Quarterly
Environment Agency - Thames Region - South East Area	October 2017	Quarterly
Environment Agency - Thames Region - West Area	October 2017	Quarterly
Local Authority Landfill Coverage		
Oxfordshire County Council	May 2000	Not Applicable
Reading Borough Council - Planning	May 2000	Not Applicable
South Oxfordshire District Council - Environmental Health Department	May 2000	Not Applicable
West Berkshire Council - Environmental Health Department	May 2000	Not Applicable
Wokingham District Council - Environmental Health Department	May 2000	Not Applicable
Local Authority Recorded Landfill Sites		
Oxfordshire County Council	May 2000	Not Applicable
Reading Borough Council - Planning	May 2000	Not Applicable
South Oxfordshire District Council - Environmental Health Department	May 2000	Not Applicable
West Berkshire Council - Environmental Health Department	May 2000	Not Applicable
Wokingham District Council - Environmental Health Department	October 2005	Not Applicable
Potentially Infilled Land (Non-Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water)		
Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites		
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Environment Agency - Thames Region - West Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Environment Agency - Thames Region - West Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Environment Agency - Thames Region - West Area	March 2003	Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	September 2017	Bi-Annually
Explosive Sites		
Health and Safety Executive	March 2017	Variable
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
Oxfordshire County Council	February 2016	Annual Rolling Update
South Oxfordshire District Council - Planning Department (West)	February 2016	Annual Rolling Update
West Berkshire Council	February 2016	Annual Rolling Update
Wokingham District Council	February 2016	Annual Rolling Update
Reading Borough Council - Planning	May 2016	Annual Rolling Update
Planning Hazardous Substance Consents		
Oxfordshire County Council	February 2016	Annual Rolling Update
South Oxfordshire District Council - Planning Department (West)	February 2016	Annual Rolling Update
West Berkshire Council	February 2016	Annual Rolling Update
Wokingham District Council	February 2016	Annual Rolling Update
Reading Borough Council - Planning	May 2016	Annual Rolling Update

Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	October 2015	As notified
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
CBSCB Compensation District		
Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Property Searches	March 2014	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	As notified
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	November 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	November 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2017	Quarterly
Points of Interest - Education and Health PointX	December 2017	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2017	Quarterly
Points of Interest - Public Infrastructure PointX	December 2017	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2017	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually

Sensitive Land Use	Version	Update Cycle
Ancient Woodland		
Natural England	October 2017	Bi-Annually
Areas of Adopted Green Belt		
South Oxfordshire District Council	November 2017	As notified
Wokingham District Council	November 2017	As notified
Areas of Unadopted Green Belt		
South Oxfordshire District Council	November 2017	As notified
Wokingham District Council	November 2017	As notified
Areas of Outstanding Natural Beauty		
Natural England	August 2017	Bi-Annually
Environmentally Sensitive Areas		
Natural England	January 2017	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	August 2017	Bi-Annually
Marine Nature Reserves		
Natural England	August 2017	Bi-Annually
National Nature Reserves		
Natural England	August 2017	Bi-Annually
National Parks		
Natural England	August 2017	Bi-Annually
Nitrate Vulnerable Zones		
Environment Agency - Head Office	December 2017	Bi-Annually
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	October 2015	
Ramsar Sites		
Natural England	August 2017	Bi-Annually
Sites of Special Scientific Interest		
Natural England	August 2017	Bi-Annually
Special Areas of Conservation		
Natural England	August 2017	Bi-Annually
Special Protection Areas		
Natural England	August 2017	Bi-Annually

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	
Environment Agency	
Scottish Environment Protection Agency	
The Coal Authority	
British Geological Survey	
Centre for Ecology and Hydrology	
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Environment Agency - National Customer Contact Centre (NCCC)** PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	**Reading Borough Council - Environmental Health Department** Civic Centre, Reading, Hampshire, RG1 7DT	Telephone: 0118 939 9099 Fax: 0118 958 9770 Website: www.reading.gov.uk
4	**Ordnance Survey** Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
5	**Reading Borough Council - Planning** Civic Centre, READING, Hampshire, RG1 7TD	Telephone: 0118 939 0900 Fax: 0118 958 9770 Website: www.reading.gov.uk
6	**Wokingham District Council - Environmental Health Department** Council Offices, Shute End, Wokingham, Surrey, RG40 1BN	Telephone: 0118 974 6000 Fax: 0118 974 5053 Website: www.wokingham.gov.uk
7	**South Oxfordshire District Council - Environmental Health Department** Council Offices, P O Box 92, Crowmarsh, Wallingford, Oxfordshire, OX10 8NY	Telephone: 01491 823000 Fax: 01491 823001 Email: env.health@southoxon.gov.uk Website: www.southoxon.gov.uk
8	**Oxfordshire County Council** County Hall, New Road, Oxford, Oxfordshire, OX1 1ND	Telephone: 01865 792422 Fax: 01865 810106 Email: environmental.services@oxfordshire.gov.uk Website: www.oxfordshire.gov.uk
9	**Health and Safety Executive** 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
10	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
11	**PointX** 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
12	**Natural England** County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
13	**Environment Agency - Head Office** Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
-	**Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards** Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

Useful Contacts

Contact	Name and Address	Contact Details

Please note that the Environment Agency / Natural Resources Wales / SEPA have a charging policy in place for enquiries.

PHASE 1 ENVIRONMENTAL INVESTIGATION

NO 4008/17

AT

28 WOKINGHAM ROAD, READING, RG6 1JQ

FOR

PROPOSED HOUSING DEVELOPMENT

APPENDIX F

MINING AND GROUND STABILITY DATA BASE SEARCH

Envirocheck® Report:

Mining and Ground Stability Datasheet

Order Details:

Order Number:
153508705_1_1

Customer Reference:
4008

National Grid Reference:
473280, 173120

Slice:
A

Site Area (Ha):
0.08

Search Buffer (m):
1000

Site Details:

28, Wokingham Road
READING
RG6 1JQ

Client Details:

Mr M Green
Terramech Investigations Ltd
183 Long Lane
Tilehurst
Reading
Berkshire
RG31 6YW

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Contents

Report Section and Details	Page Number
Summary	-
The Summary section provides an overview of the data contained within the report, detailing the number of data set features or the existence of a data set in relation to the buffer selected. For ease of reference, the report is broken down into 4 sections of data; Mining and Natural Cavities Data, Historical Land Use Information (1:2,500), Historical Land Use Information (1:10,000) and Ground Stability Data (1:50,000).	
Mining and Natural Cavities Data	1
The Mining and Natural Cavities Data section features data sets related to the existence of mining areas and their potential hazards; and details of naturally formed cavities. Data sets within this section are not plotted, with the exception of BGS Recorded Mineral Sites and Potential Mining Areas which feature on the Historical Land Use Information (1:10,000) map.	
Historical Land Use Information (1:2,500)	5
The Historical Land Use Information (1:2,500) section contains data captured from analysis carried out by Landmark of 1:1,250 and 1:2,500 scale historical Ordnance Survey mapping, identifying areas where, historically, the land uses were potentially contaminative. For the purpose of this Envirocheck module, only historical data relating to mining and ground stability has been included and plotted on the corresponding Historical Land Use Information (1:2,500) map. This section also includes the Subterranean Features data set, which details various man-made and man-used underground spaces obtained from the Subterranea Britannica society.	
Historical Land Use Information (1:10,000)	6
The Historical Land Use (1:10,000) section covers data captured from the systematic analysis carried out by Landmark of 1:10, 560 and 1:10,000 scale historical Ordnance Survey mapping dating back to the mid-19th century, identifying potentially contaminative past industrial land uses. For the purpose of this Envirocheck module, only data relating to mining and ground stability has been included and plotted on the accompanying Historical Land Use Information (1:10,000) map.	
Ground Stability Data (1:50,000)	7
The Ground Stability (1:50,000) section includes the BGS Geosure data suite, reporting features to 250m and plotted onto 3 separate maps. Also reported is brine subsidence, brine mining and salt mining data sets, of which Brine Pumping and Salt Mining Related Features are plotted, and subsidence insurance claims and insurance investigations data, which is not plotted.	
Motion Map Data (1:2,500)	8
The Motion Map Data (1:2,500) section contains data which is plotted to indicate long-term stability trends from analysis of satellite radar data.	
Historical Map List	9
The Historical Map List section details the historical mapping that has been analysed for your site, in relation to the Historical Land Use Information sections.	
Data Currency	10
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The brine subsidence data relating to the Driotwich area as provided in this report is derived from JPB studies and physical monitoring undertaken annually over more than 35 years. For more detailed interpretation contact enquiries@jpb.co.uk. JPB retain the copyright and intellectual rights to this data and accept no liability for any loss or damage, including in direct or consequential loss, arising from the use of this data.

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Report Version v53.0

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Man Made Mining Cavities	pg 3				2
Mining Instability			n/a	n/a	n/a
Natural Cavities	pg 4		2	2	
Non Coal Mining Areas of Great Britain	pg 4	Yes	Yes	n/a	n/a
Potential Mining Areas					
Historical Land Use Information (1:2,500)					
Extractive Industries or Potential Excavations from 1855-1909 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1893-1915 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1906-1937 (100m)				n/a	n/a
Extractive Industries or Potential Excavations from 1924-1949 (100m)				n/a	n/a
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Subterranean Features (100m)				n/a	n/a
Historical Land Use Information (1:10,000)					
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Disturbed Ground					
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Heap, unknown constituents	pg 6				2
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Mining & quarrying general					
Mining of coal & lignite					
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Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m
Ground Stability Data (1:50,000)					
CBSCB Compensation District			n/a	n/a	n/a
Brine Pumping Related Features					
Brine Subsidence Solution Area					
Potential for Collapsible Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 7	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 7	Yes	Yes	n/a	n/a
Salt Mining Related Features					
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Subsidence Investigations	pg 7		1	n/a	n/a
Motion Map Data (1:2,500)					
Motion Map (100m)	pg 8	5	5	n/a	n/a

Report Version v53.0

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	**BGS Recorded Mineral Sites** Site Name: Wokingham Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234946 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	98	1	473382 173059
2	**BGS Recorded Mineral Sites** Site Name: Wokingham Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234947 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	227	1	473507 173019
3	**BGS Recorded Mineral Sites** Site Name: Wokingham Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234948 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	346	1	473618 172976
4	**BGS Recorded Mineral Sites** Site Name: Reading School Gravel Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234944 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (S)	372	1	473188 172744
5	**BGS Recorded Mineral Sites** Site Name: Reading School Gravel Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234945 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	384	1	473115 172757
6	**BGS Recorded Mineral Sites** Site Name: Palmer Park Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234949 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A14SW (E)	427	1	473714 173008

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
7	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36349 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18SE (N)	503	1	473320 173634
8	**BGS Recorded Mineral Sites** Site Name: Palmer Park Denehole Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220852 Type: Underground **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: White Chalk Subgroup Commodity: Chalk Positional Accuracy: Located by supplier to within 100m	A14NW (E)	507	1	473800 173200
9	**BGS Recorded Mineral Sites** Site Name: Cholmelly Road Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234950 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary, Devensian Geology: Kempton Park Gravel Formation Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A18SW (N)	536	1	473159 173660
10	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234943 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	712	1	473737 172551
11	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36347 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A18NE (N)	751	1	473414 173870
12	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36345 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	752	1	473825 172575

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234942 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	796	1	473787 172483
14	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234940 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	817	1	473878 172536
15	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234939 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	828	1	473847 172491
16	**BGS Recorded Mineral Sites** Site Name: New Town Gravel Pit Location: New Town, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36348 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Kempton Park Gravel Formation Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	850	1	473680 173884
17	**BGS Recorded Mineral Sites** Site Name: Earley Rise Brick Field Location: Earley Rise, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234941 Type: Opencast **Status: Ceased** Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	868	1	473816 172415
	Coal Mining Affected Areas In an area which may not be affected by coal mining				
	Man Made Mining Cavities Cavity Type: Multiple Chalk Bell Pit Workings Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Detail: Taplow Gravel	A14NW (E)	507	2	473800 173200

Mining and Natural Cavities Data

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man Made Mining Cavities Cavity Type: Historical Brick and Works-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Worked Ground	A9NW (SE)	789	2	473900 172600
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group Superficial Geology Detail: Taplow Gravel	A13SE (E)	101	2	473400 173100
	Natural Cavities Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Taplow Gravel	A13SW (SW)	200	2	473100 173000
	Natural Cavities Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Detail: Taplow Gravel	A13SE (SE)	368	2	473600 172900
	Natural Cavities Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group Superficial Geology Detail: Taplow Gravel	A12NE (W)	370	2	472900 173200
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Non Coal Mining Areas of Great Britain Risk: Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	473291 173077

Historical Land Use Information (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	**Extractive Industries or Potential Excavations from 1950-1980** Use: Cemetery First Map Published Date: 1957 Last Map Published Date: 1957	A13NE (N)	16	-	473287 173146

Historical Land Use Information (1:10,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
19	**Heap, unknown constituents** Use: Not Supplied Date of Mapping: 1962	A18NW (N)	794	-	473007 173886
20	**Heap, unknown constituents** Use: Not Supplied Date of Mapping: 1962	A17NW (NW)	999	-	472597 173878
21	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A13SE (SE)	98	-	473384 173063
22	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A13SE (SE)	229	-	473510 173020
23	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A14SW (E)	347	-	473620 172980
24	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A8NW (S)	375	-	473197 172738
25	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1900	A18SE (N)	512	-	473331 173642
26	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A18SW (N)	535	-	473160 173659
27	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A18NE (N)	705	-	473295 173838
28	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1883	A19NW (NE)	798	-	473643 173845
29	**Quarrying of sand & clay, operation of sand & gravel pits** Use: Not Supplied Date of Mapping: 1991	A18NW (N)	831	-	473268 173965
30	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SE (SE)	100	-	473385 173060
31	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A13SE (SE)	230	-	473510 173020
32	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A14SW (E)	347	-	473620 172980
33	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A8NW (S)	375	-	473197 172738
34	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SE (N)	511	-	473331 173641
35	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18SW (N)	535	-	473163 173660
36	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A9NW (SE)	631	-	473764 172685
37	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A18NE (N)	705	-	473295 173838
38	**Potentially Infilled Land (Non-Water)** Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1995	A19NW (NE)	798	-	473643 173845

Ground Stability Data (1:50,000)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	CBSCB Compensation District The site does not fall within the brine compensation area.				
	Brine Subsidence Solution Area The site does not fall within the brine subsidence solution area.				
39	**Potential for Collapsible Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
40	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
41	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	473291 173077
42	**Potential for Ground Dissolution Stability Hazards** Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	89	1	473275 173224
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	62	1	473305 173046
43	**Potential for Landslide Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
44	**Potential for Running Sand Ground Stability Hazards** Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
45	**Potential for Shrinking or Swelling Clay Ground Stability Hazards** Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	29	1	473291 173077
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (E)	0	1	473280 173120
	Subsidence Investigations Site Investigation Date: 8th March 2007 Root Survey: No CCTV Drain Survey: No Depth of Foundation: 0.85 Soil Classification: Clay of Low Plasticity			-	
	Subsidence Insurance Claims Case Date: 11th October 2005 Movement Trend Indication: Active cyclical movement of up to 5mm Damage Classification: Category 2 - up to 5mm			-	
	Subsidence Insurance Claims Case Date: 10th February 2006 Movement Trend Indication: No significant movement (< 0.50mm) Damage Classification: Category 2 - up to 5mm			-	

Motion Map Data (1:2,500)

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
46	**Motion Map** Average Velocity Gradient (mmyear): -0.2	A13NW (NW)	0	-	473272 173128
46	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13NW (NW)	0	-	473273 173124
47	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (SE)	0	-	473286 173116
47	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13SW (SW)	0	-	473279 173118
47	**Motion Map** Average Velocity Gradient (mmyear): -0.5	A13SW (S)	0	-	473281 173114
48	**Motion Map** Average Velocity Gradient (mmyear): -0.9	A13NE (N)	3	-	473285 173133
49	**Motion Map** Average Velocity Gradient (mmyear): -0.4	A13NW (NW)	5	-	473261 173138
50	**Motion Map** Average Velocity Gradient (mmyear): 0.0	A13SE (E)	34	-	473334 173118
51	**Motion Map** Average Velocity Gradient (mmyear): -0.1	A13SE (SE)	46	-	473337 173085
52	**Motion Map** Average Velocity Gradient (mmyear): -0.6	A13SW (SW)	90	-	473220 173033

Historical Map List

The following mapping has been analysed for Historical Land Use Information (1:2,500):

1:2,500	Mapsheet	Published Date
Ordnance Survey Plan	SU7372	1958

The following mapping has been analysed for Historical Land Use Information (1:10,000):

1:10,560	Mapsheet	Published Date
Oxfordshire	056_00	1882
Berkshire	037_00	1883
Berkshire	029_SE	1900
Berkshire	037_NE	1900
Oxfordshire	056_SE	1900
Oxfordshire	058_NE	1900
Berkshire	037_NE	1913
Oxfordshire	058_NE	1913
Berkshire	029_SE	1914
Oxfordshire	056_SE	1914
Berkshire	037_NE	1931
Berkshire	029_SE	1932
Ordnance Survey Plan	SU77SW	1962
1:10,000	**Mapsheet**	**Published Date**
Ordnance Survey Plan	SU77SW	1995

Data Currency

Mining and Cavities Data	Version	Update Cycle
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	November 2017	Bi-Annually
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	As notified
Man Made Mining Cavities Peter Brett Associates	November 2017	Bi-Annually
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Natural Cavities Peter Brett Associates	November 2017	Bi-Annually
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Historical Land Use Information (1:2,500)	**Version**	**Update Cycle**
Subterranean Features Landmark Information Group Limited	August 2017	Bi-Annually
Ground Stability Data (1:50,000)	**Version**	**Update Cycle**
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	As notified
Subsidence Insurance Claims SP Property Services	November 2017	Quarterly
Subsidence Investigations CET Structures Ltd	November 2017	Quarterly
Brine Subsidence Solution Area Johnson Poole & Bloomer	January 2015	As notified

Motion Map Data (1:2,500)	Version	Update Cycle
Motion Map		
Nigel Press Associates - Hampshire	February 2011	As notified
Nigel Press Associates - Cambridge	January 2011	As notified
Nigel Press Associates - Ipswich	January 2011	As notified
Nigel Press Associates - Norwich	January 2011	As notified
Nigel Press Associates - Peterborough	January 2011	As notified
Nigel Press Associates - Barnstaple	July 2010	As notified
Nigel Press Associates - Derbyshire	July 2010	As notified
Nigel Press Associates - Humberside	July 2010	As notified
Nigel Press Associates - Kent	July 2010	As notified
Nigel Press Associates - Lincolnshire	July 2010	As notified
Nigel Press Associates - Nottinghamshire	July 2010	As notified
Nigel Press Associates - Birmingham	May 2009	As notified
Nigel Press Associates - Bournemouth	May 2009	As notified
Nigel Press Associates - Brighton	May 2009	As notified
Nigel Press Associates - Bristol	May 2009	As notified
Nigel Press Associates - Cardiff	May 2009	As notified
Nigel Press Associates - Central London	May 2009	As notified
Nigel Press Associates - Cheltenham	May 2009	As notified
Nigel Press Associates - Coventry	May 2009	As notified
Nigel Press Associates - Crawley	May 2009	As notified
Nigel Press Associates - Edinburgh	May 2009	As notified
Nigel Press Associates - Exeter	May 2009	As notified
Nigel Press Associates - Glasgow	May 2009	As notified
Nigel Press Associates - Isle of Wight	May 2009	As notified
Nigel Press Associates - Leeds	May 2009	As notified
Nigel Press Associates - Leicester	May 2009	As notified
Nigel Press Associates - Liverpool	May 2009	As notified
Nigel Press Associates - Manchester	May 2009	As notified
Nigel Press Associates - Milton Keynes	May 2009	As notified
Nigel Press Associates - Newcastle	May 2009	As notified
Nigel Press Associates - Northwich	May 2009	As notified
Nigel Press Associates - Nottingham	May 2009	As notified
Nigel Press Associates - Oxford	May 2009	As notified
Nigel Press Associates - Plymouth	May 2009	As notified
Nigel Press Associates - Portsmouth	May 2009	As notified
Nigel Press Associates - Preston	May 2009	As notified
Nigel Press Associates - Reading	May 2009	As notified
Nigel Press Associates - Sheffield	May 2009	As notified
Nigel Press Associates - Stoke	May 2009	As notified
Nigel Press Associates - Swindon	May 2009	As notified
Nigel Press Associates - Tonbridge	May 2009	As notified
Nigel Press Associates - North London	November 2008	As notified
Nigel Press Associates - Head Office	September 2008	As notified

Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Map data
British Geological Survey	British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
The Coal Authority	The Coal Authority
Ove Arup	ARUP
Peter Brett Associates	pba peterbrett
Wardell Armstrong	wardell armstrong your earth our world
Johnson Poole & Bloomer	JPB

Useful Contacts

Contact	Name and Address	Contact Details
1	**British Geological Survey - Enquiry Service** British Geological Survey, Kingsley Dunham Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	**Peter Brett Associates** Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	Telephone: 0118 950 0761 Fax: 0118 959 7498 Email: reading@pba.co.uk Website: www.pba.co.uk
-	**Landmark Information Group Limited** Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk