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Geo-Environmental Investigation

On behalf of Soil Investigation Eastern Ltd



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air quality assessment contaminated land ecology environmental audits noise assessment
environmental impact assessments flood risk assessments geotechnical engineering ground investigation
hydrogeology noxious weeds remediation design risk assessments waste management

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Table of Contents

1	INTRODUCTION	3
2	SITE LOCATION AND LAYOUT.....	3
3	SITE HISTORY	3
4	ENVIRONMENTAL SETTING	4
4.1	GEOLOGY	4
4.2	GROUNDWATER	5
4.3	RADON.....	5
4.4	OTHER ENVIRONMENTAL INFORMATION	5
5	SITE WALKOVER.....	7
6	INTRUSIVE INVESTIGATION.....	9
6.1	FIELDWORK	9
6.2	GROUNDWATER.....	9
7	LABORATORY TESTING.....	11
7.1	ANALYTICAL TESTING.....	11
8	EVALUATION OF GROUND CONDITIONS AND ENGINEERING PROPERTIES	12
9	ENGINEERING DESIGN.....	14
9.1	FOUNDATION DESIGN.....	14
9.2	GROUND FLOORS	14
9.3	TEMPORARY WORKS.....	15
10	GROUND CONTAMINATION ASSESSMENT	16
10.1	SOIL QUALITY	16
10.1.1	Toxic Metals	17
10.1.2	Phytotoxic Metals	17
10.1.3	Organic Compounds.....	17
10.1.4	Asbestos.....	18
10.1.5	PCBs	18
10.2	WATCHING BRIEF AND DISCOVERY STRATEGY	19

11	CONTAMINATION RISK ASSESSMENT	20
11.1	CONTAMINANT SOURCES	21
11.2	RISK TO HUMAN HEALTH.....	21
11.3	RISKS TO WATER RESOURCES	24
11.4	RISKS TO PLANTS	24
11.5	RISKS TO BUILDINGS & SERVICES	24
11.6	WASTE DISPOSAL	25
12	CONCEPTUAL SITE MODEL	25
13	CONCLUSIONS AND RECOMMENDATIONS.....	28

Appendices

1. Historical Maps
2. Envirocheck Report
3. Continuous Flight Auger Borehole Logs
4. Hand Dug Trial Pit Logs
5. Analytical Test Results
6. Contamination Assessment Guidelines
7. ESI Stastics Calculator Results
8. BRE Cover System Spreadsheet

Figures

1. Exploratory Hole Location Plan

1 INTRODUCTION

Ground and Environmental Services Ltd (GES) was commissioned by Soil Investigation Eastern Limited (SIE) to undertake a Geo-Environmental Investigation at a proposed development site at 57 Baker Street, Reading, RG1 7XX.

It was understood that the current proposals comprise the demolition of existing buildings on site and the construction of nine terraced residential properties in two blocks with associated access, soft landscaping and private gardens.

The purpose of the intrusive ground investigation, which was carried out by SIE, was to determine the ground profile and to provide guideline recommendations for the design of foundations for new structures on the site. In addition, contamination testing was carried out to identify environmental liabilities associated with the site and delineate any areas of contamination resulting from the sites previous usage.

2 SITE LOCATION AND LAYOUT

The site is situated in the predominantly residential setting, west of Reading town centre, approximately 1km south west of Reading Train Station and is centred on approximate Grid Reference TL 106 127.

At the time of the site investigation, the site was generally overgrown with a number of areas of hardstanding present. The perimeter of the site comprises a brick wall.

The site was accessed via a gate off Baker Street, is broadly level and occupies an area of approximately 0.4 acres.

3 SITE HISTORY

A map search was carried out for the site covered by the planning condition and extracts of the following Ordnance Survey maps were obtained covering the period between 1879 and 2019.

These are presented in Appendix 1 and the relevant historic details are summarised as follows:

Mapping Date Range	On Site	Surrounding Area
1879	The site is noted as St Mary's Home, a Magdalen home and likely a laundry.	The site is situated within a residential area. To the North is Baker Street and to the west is Russell Street, both lined with residential properties. To the east are residential properties of Baker Street and Russell Terrace. The land to the south appears to given over to a park or extensive private gardens.

Mapping Date Range	On Site	Surrounding Area
1899	No significant development noted on site.	Small scale residential development has occurred to the south west of the site comprising two new properties. Tramways have been constructed along Oxford Road, approximately 250m north of the site and Castle Hill, approximately 150m south of the site.
1931	The site is no longer noted as St Mary's Home.	Further residential development has occurred along Russell Street to the south west. The Tramway along Castle Hill is marked as disused.
1957-1961	Some structures on site appear to have been demolished.	The Tramways along Oxford Road and Castle Hill are no longer present.
1962-1971	The site now noted as a printing works.	No significant development is noted in the surrounding area.
1970-1988	No significant development noted on site.	Properties in a large area to the west of the site have been demolished for the construction of a major road and larger buildings.
1988-1993		Residential development in the form of flats (Epping Close) has occurred immediately to the south of the site.
1993-2019		No significant development is noted in the surrounding area.

4 ENVIRONMENTAL SETTING

4.1 GEOLOGY

Reference to the British Geological Survey online geological map of the area indicates that the geology underlying the site is the Lambeth Group overlying the Seaford and Newhaven Chalk Formations. The geological memoir for the area described these strata as follows:

Lambeth Group

Vertically and laterally variable sequences mainly of clay, some silty or sandy, with some sands and gravels, minor limestones and lignites and occasional sandstone and conglomerate.

Seaford and Newhaven Chalk Formations

Firm white chalk with conspicuous semi-continuous nodular and tabular flint seams. Hardgrounds and thin marls are known from the lowest beds. Some flint nodules are large to very large.

4.2 GROUNDWATER

Reference to the British Geological Survey 1:50,000 scale Aquifer Designation Dataset, shows the site to be set upon a Principal Aquifer within the Chalk and a Secondary A Aquifer in the Lambeth Group.

Principal Aquifers are highly permeable formations. They are layers of rock or drift deposits that have high intergranular and/or fracture permeability - meaning they usually provide a high level of water storage. They may support water supply and/or river base flow on a strategic scale.

Secondary Aquifers include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage. Secondary aquifers are subdivided into two types

Secondary A - are also permeable layers capable of supporting water supplies at a local scale, and may be an important source of base flow to rivers. These include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage.

Secondary B – tend to be lower permeability layers which may store and yield limited amounts of groundwater due to localised features such as fissures, thin permeable horizons and weathering.

The site is not situated within an Environment Agency-designated Groundwater Source Protection Zone.

4.3 RADON

Reference to the National Radiological Protection Board's "Radon Atlas of England and Wales" indicated that the property is in a lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level of 200 Bq/m³). No special measures need be incorporated into buildings.

4.4 OTHER ENVIRONMENTAL INFORMATION

Reference was made to the environmental database landmark, extracts from which are provided in Appendix 2. Relevant information relating to the sites environmental sensitivity is summarised as follows:

Dataset		On site	Nearest significant off-site feature
Agency & Hydrological	Contaminated Land Register Entries and Notices	None	593m north west. George Street Allotments – remediation work completed

Dataset		On site	Nearest significant off-site feature
	Discharge Consents	None	165m south east. Sewerage discharge.
	Prosecution Relating to Controlled Waters	None	686m east. Allowing diesel to enter a water drainage system.
	Integrated Pollution Controls	None	929m north west. Inorganic Chemical processes.
	Local Authority Pollution Prevention and Controls	None	174m south west. Petrol filling station.
	Nearest Surface Water Feature	None	398m east.
	Pollution Incidents to Controlled Waters	None	164m south east. Chemicals - unknown. Minor Incident.
	River Quality	None	626m south east. River Quality B.
	Substantiated Pollution Incident Register	None	647m north. Oils – unknown. Land, Category 2 Significant Incident.
	Water Abstractions	None	505m north east. Drinking, Cooking, Sanitary, Washing.
	OS Water Network Lines	None	401m east. Inland river on ground surface.
Waste	Historical Landfill Sites	None	877m north west. Deposited waste including Inert Waste.
	Licensed Waste Management Facilities	None	598m north west. Metal Recycling Site (Mixed)
	Local Authority Landfill Coverage	Yes	
	Registered Waste Treatment or Disposal Sites	None	605m north west. Scrapyard.
	Notification of Installations Handling Hazardous Substances (NIHHS)	None	952m north west. Calor Gas Ltd.
	BGS Recorded Mineral Sites	None	159m south east. Chalk, ceased.
	Man-Made Mining Cavities	None	89m south east. 3 possible mine workings/ground anomalies
	Natural Cavities	None	74m south east. Solution pipe.

Dataset		On site	Nearest significant off-site feature
Geological	Potential for Collapsible Ground Stability Hazards	Very low	
	Potential for Compressible Ground Stability Hazards	No hazard	
	Potential for Ground Dissolution Stability Hazards	Low	
	Potential for Landslide Ground Stability Hazards	Very low	
	Potential for Running Sand Ground Stability Hazards	Very low	
	Potential for Shrinking or Swelling Clay Ground Stability Hazards	Moderate	
Industrial Land Use	Contemporary Trade Directory Entries	Printers. Inactive	18m south. Cargo Handling Services. Inactive.
	Fuel Station Entries	None	169m south west. Petrol Station. Open.
Sensitive Land Use	Nitrate Vulnerable Zones	Surface Water	

5 SITE WALKOVER

At the time of the walkover the site comprised an area of derelict land surrounded by residential buildings. The boundary of the site was delineated by a mixture of fencing and brick walls and accessed from a gate off Baker Street.

The surface was generally given over to hardstanding with patches of overgrown vegetation.

No significant features were noted on site either of a geological nature, or in terms of sources of potentially significant contamination.

All vegetation on site was noted to be in good condition with no areas of staining or discolouration, stunted growth or dead patches.

Baker Street, Reading Geo-Environmental Investigation



6 INTRUSIVE INVESTIGATION

6.1 FIELDWORK

The site works were carried out on the 16th July 2019 and comprised the following:

- Continuous Flight Auger (CFA) Boreholes;
- Hand Dug Trial Pits.

The positions of the above works on the site are indicated on Figure 1, Site Location Plan.

All fieldwork was undertaken by Soil Investigation Eastern Limited and generally executed in accordance with the recommendations given in British Standard BS 5930:1999, "Code of Practice for Site Investigations".

Contamination sampling was undertaken in accordance with BS 10175, "Code of Practice for the Investigation of Potentially Contaminated Sites".

Continuous Flight Auger (CFA) Boreholes

Four 100mm diameter CFA boreholes (BH1 to BH4) were excavated to depths ranging between 6.0m and 13.2m below existing ground level. The soils and materials encountered in the holes were logged and representative samples recovered for laboratory analysis. Mackintosh probing was carried out at 1m intervals whilst the boreholes were progressed in order to assess the relative density of the soils encountered.

Upon completion boreholes BH2 and BH4 were installed with groundwater monitoring standpipes to depths of 8.6m (BH2) and 6.0m (BH4).

CFA borehole Logs are presented at Appendix 3.

Hand Dug Trial Pits

Eight hand dug trial pits were excavated in order to determine depth of Made Ground and provide additional samples for laboratory analysis. The trial pits were excavated to depths of between 600mm and 1300mm.

Trial pit logs are presented in Appendix 4.

6.2 GROUNDWATER

Groundwater was not encountered during the drilling works or during the post fieldwork monitoring.

It should be noted that the absence of groundwater is not necessarily indicative of the absence of a groundwater table in view of the short period the boreholes remained open.

Baker Street, Reading
Geo-Environmental Investigation



Groundwater levels may vary due to seasonal fluctuations in rainfall, but in the shorter term, can be affected by antecedent weather conditions or other causes.

7 LABORATORY TESTING

7.1 ANALYTICAL TESTING

Nine soil samples were selected and scheduled for chemical analysis which was undertaken by The Environmental Laboratory Ltd. All soil samples were analysed for a general screening suite of contaminants considered appropriate to the current usage and past history of the site and surrounding area.

Toxic Metals	Phytotoxic Metals	Inorganic Compounds	Organic Compounds
Arsenic Cadmium Chromium Lead Mercury Nickel Selenium	Water Soluble Boron Copper Nickel Zinc	Water Soluble Sulphate pH Asbestos	Total Polyaromatic Hydrocarbons (PAH) Mineral oils Total Petroleum Hydrocarbons (TPH)

In addition, two composite samples of arisings were prepared and submitted for analysis in accordance with the Environment Agency's waste acceptance criteria (WAC) for the off-site disposal of soil.

Soil samples were stored in appropriate containers as specified within BS10175. The containers comprised of 1 kg capacity plastic containers with fitted lids.

Where organic compounds were to be determined, inert containers, which prevent loss by absorption, or volatilization, i.e. wide-mouthed amber glass containers, were used.

Samples were stored in appropriately cooled cool boxes and were transported to the laboratory as quickly as possible in order to minimize any potential for chemical and biological changes to take place.

The results of the analytical testing are presented in Appendix 5.

8 EVALUATION OF GROUND CONDITIONS AND ENGINEERING PROPERTIES

The soils encountered during this investigation are described in the CFA Borehole logs as presented in Appendix 3. The ground profile encountered at the site comprised Made Ground over the Lambeth Group and the Seaford and Newhaven Chalk Formations.

Made Ground

Made Ground was found across the site to depths ranging between 0.25m and 1.2m in depth.

The Made Ground generally comprised mid brown gravelly sandy silt with variable fragments of brick, glass, limestone, mortar, tarmac, ash, polythene and polystyrene.

Lambeth Group

Soils typical of the Lambeth Group were found beneath the Made Ground at all locations. The materials comprised a heterogenous sequence of mid brown mottled grey and orange gravelly silty sand, gravelly clayey sandy silt, gravelly sandy very silty clay, and silty sandy gravel.

The Lambeth Group was determined to depths of between 6.0m and 13.2m below ground level with the base of the formation not encountered in borehole locations BH1 and BH2.

In-situ testing with a Mackintosh Probe resulted in the following results:

Depth	Result (blows count per 75mm penetration)			
	BH1	BH2	BH3	BH4
1.0	9,8,10,10	2,5,5,7	17,31,31,40	50,R
2.0	7,8,8,9	23,13,19,22	27,39,49,R	39,R
3.0	40,50,50,R	31,34,39,40	41,R	37,40,R
4.0	31,42,42,40	41,37,44,50	R	43,R
5.0	36,29,47,50		R	R
6.0	R	20,30,41,50	47,50,50,R	50,R
8.0	-	22,39,41,47	-	-
10.0	-	20,39,47,50	-	-
12.0	-	34,39,49,R	-	-

R: Refusal - greater than 50 blows for 75mm penetration.

Seaford and Newhaven Chalk Formation

Soils typical of the Seaford and Newhaven Chalk Formations were found beneath the Lambeth Group soils in locations BH3 and BH4 at depths of .3m and 6.4m respectively. The materials generally comprised a moist chalk recovered as putty chalk with chalk nodules and medium to large flints.

The formation was determined to a maximum depth of 12.0m below ground level, the base of the stratum was not proven.

In-situ testing with a Mackintosh probe resulted in the following results:

Depth	Result (blows count per 75mm penetration)			
	BH1	BH2	BH3	BH4
8.0	-	-	30,29,29,29	27,37,48,50
10.0	-	-	20,21,31,50	50,50,R
12.0	-	-	42,50,50,50	40,50,R

R: Refusal - greater than 50 blows for 75mm penetration.

9 ENGINEERING DESIGN

9.1 FOUNDATION DESIGN

At the time of reporting, applied structural loads from the proposed development were unknown. However, it is known that the proposed development comprises the construction of low rise two storey residential buildings. For preliminary foundation design purposes a maximum line load of 60kN/m run has been adopted for the two storey structures.

In deliberation of suitable foundation options consideration was given to the geotechnical hazards and risks as presented below:

Geotechnical Hazard	Qualitative Risk & Consequences	Possible Risk Reduction Measures
Existing underground structures such as service runs and old footings.	Medium Implication for foundation depth and economic feasibility of shallow foundations.	New foundations to be constructed in undisturbed ground or alternatively disturbed ground to be removed and replaced with suitable engineering fill.
Shrinkage/swelling of foundation soils due to action of tree roots.	Low to medium Foundation movement and cracking of brickwork.	Comply with NHBC recommendations to medium shrinkability soils.
Variations in stiffness of ground below foundation depth that could give rise to unacceptable total and differential settlement.	Medium Buildings particularly sensitive to differential settlement. Would result in cracking of superstructure if conventional brickwork or brick cladding.	Calculate likely magnitude of settlement and determine if within acceptable tolerances. Make foundations act as reinforced beams. Include movement joints if and where necessary.

Based upon the findings of this ground investigation the use of shallow foundations is considered marginal due to the variable composition of the near surface Lambeth Group and the potential risk of differential settlement.

The use of piles founding within the underlying Seaford and Newhaven Chalk Formations could be considered as an alternative founding option although additional ground investigation would be required to obtain design parameters at depth.

9.2 GROUND FLOORS

NHBC guidance advises that suspended ground floors should be adopted when the plasticity index (PI) of the founding soils is greater than 10%. In addition, where the depth of fill would be greater than 600 mm within a self-contained area, the floor construction over the whole of that area is required to be self-supporting and independent of the fill.

Based upon the results of this ground investigation it is recommended that suspended floors are adopted.



9.3 TEMPORARY WORKS

Excavations in excess of 1.2 m depth may be required in connection with the proposed development on this site. If there is a requirement for personnel to enter into excavations, then the need for trench side support should be considered for any depth of excavation and, therefore, appropriate equipment should be available on site prior to excavation proceeding. A site-specific risk assessment should be carried out where man entry into excavations is required.

The base of foundation excavations should be inspected and any soft loose, organic or otherwise deleterious material at foundation level removed and replaced with lean mix concrete. The soils encountered will be liable to softening/loosening when exposed to surface water infiltration. In order to avoid deterioration of the prepared formation the base of foundations should be blinded with concrete as soon as practical after excavation and particularly if there is delay before placing foundation concrete.

10 GROUND CONTAMINATION ASSESSMENT

The current guidelines used for this contamination assessment are presented within Appendix 6.

The contaminant concentrations encountered as part of this investigation have been compared against either Land Quality Management Generic Assessment Criteria (LQM GAC) for a residential development, the Chartered Institute of Environmental Health's (CIEH) Suitable for Use Levels (S4USL), or where available against newly published Category 4 Screening Levels (C4SLs) for a Residential (with home-grown produce) end use. Where neither guidelines have limit values, Contaminated Land Exposure Assessment (CLEA) framework guideline limit values have been assessed.

Category 4 Screening Levels (C4SLs) have currently been published for six substances as per the table below.

Substance	Residential (with home- grown produce)	Residential (without home- grown produce)	Allotments	Commercial	Public Open Space 1	Public Open Space 2
Arsenic	37	40	49	640	79	170
Benzene	0.87	3.3	0.18	98	140	230
Benzo(a)Pyrene	5.0	5.3	5.7	77	10	21
Cadmium	22	150	3.9	410	220	880
Chromium VI	21	21	170	49	21	250
Lead	200	310	80	2300	630	1300

All concentrations expressed in mg/kg

This table should be read in conjunction with the Final C4SL R&D Report

10.1 SOIL QUALITY

In terms of any proposed redevelopment of the site, the results of the analysis of the selected soil samples recovered during the site investigation indicated that the concentrations of *metals and metalloids* considered to be potentially toxic to humans were below the respective guideline values in all samples tested with the exception of elevated concentrations of arsenic and lead.

Organic contamination across the site was generally low and concentrations which may be considered to pose an unacceptable risk to human health should any viable pathway exist were generally not encountered with the exception of certain PAH compounds.

Asbestos contamination was not encountered within any of the soil samples analysed.

A comprehensive description of the soil quality as measured as part of the intrusive site investigation is given below.

10.1.1 Toxic Metals

Concentrations of toxic metals cadmium, chromium, mercury, nickel, selenium, and zinc were all below their respective soil guidance values for either a residential development under the CLEA/LQM GAC guidelines and the C4SL/S4USL guideline values for residential (with home-grown produce) where appropriate in all samples tested.

Lead concentrations were above the 200 mg/kg Category 4 Screening Level within Made Ground soil samples retrieved from BH1 (0.3m), TP1 (0.2m), TP2 (0.1m), TP4 (0.5m), TP5 (0.4m) and TP7 (0.45m) with concentrations of 365mg/kg, 794mg/kg, 410mg/kg, 202mg/kg, 381mg/kg and 212mg/kg respectively.

Arsenic concentrations were above the 37mg/kg Category 4 Screening Level within Made Ground soil samples retrieved from TP1 (0.2m), TP4 (0.5m), and TP5 (0.4m) with concentration of 50.7 mg/kg, 49.5 mg/kg and 66.6 mg/kg respectively.

All other samples had contaminant concentrations of below their relevant guideline values.

10.1.2 Phytotoxic Metals

Concentrations of phytotoxic metals copper, zinc and nickel were compared against the maximum permissible concentrations in the Sewage Sludge (Use in Agriculture) Regulations 1989.

The concentrations for copper and nickel were all found to be below the maximum permissible concentration for the relevant pH level.

The concentrations of zinc were above the maximum permissible concentration of 450mg/kg in location TP1 (0.2m) with a concentration of 541 mg/kg.

10.1.3 Organic Compounds

Polycyclic Aromatic Hydrocarbons (PAH)

Concentrations of PAH were found to be below the inert waste acceptance criteria of 100 mg/kg as detailed in the Landfill (England and Wales) (Amended) Regulations 2004 in all of the samples tested with the exception of location BH1 (0.3m) and TP1 (0.2m) with concentration of 263mg/kg and 446mg/kg respectively.

Speciated PAH

A number of exceedances of the relevant guideline values for certain PAH compounds were noted as per the table below.

Determinand	Guideline value (mg/kg)	Location	Result (mg/kg)
Benzo(a)anthracene	13	BH1(0.3m)	23.2
		TP1(0.2m)	31.7
Chrysene	27	BH1(0.3m)	23.9
		TP1(0.2m)	33.2
Benzo(b)fluoranthene	3.7	BH1(0.3m)	25.3
		TP1(0.2m)	27.5
		TP5(0.4m)	4.7
		TP7(0.45m)	4.3
Benzo(a)pyrene	5	BH1(0.3m)	27.8
		TP1(0.2m)	31.6
		TP5(0.4m)	5.5
Dibenzo(a,h)anthracene	0.3	BH1(0.3m)	3.0
		TP1(0.2m)	3.3
		TP4(0.5m)	0.4
		TP5(0.4m)	0.8
		TP7(0.45m)	0.6

Total Petroleum Hydrocarbons

Concentrations of TPH were below the inert waste acceptance criteria of 500 mg/kg as detailed within the Landfill (England and Wales) Regulations 2004 and also within the UK Water Industry Research (UKWIR) in all soil samples tested with the exception of location BH1 (0.3m) and TP1 (0.2m).

Generic Assessment Criteria (GAC) for total petroleum hydrocarbons according to both their molecular weight and chemical structure and also for a range of soil organic matter (SOM) content values have been derived using CLEA software. The LQM CIEH GACs are presented according to their soil organic matter content and proposed end use of the land.

The maximum TPH concentration recorded on site during the site investigation was at location BH1 (0.3m) comprising of 1150mg/kg within the C21-C35 range which is below the relevant GAC limit of 1400 mg/kg for this range and soil organic matter concentration and would therefore not pose a significant risk of significant harm to human health.

10.1.4 Asbestos

Asbestos screening of the soil samples did not identify any Asbestos Containing Material (ACM).

10.1.5 PCBs

Concentrations of PCBs were below the laboratory detection limits of 0.03mg/kg in all samples tested.

10.2 WATCHING BRIEF AND DISCOVERY STRATEGY

Whilst no significantly elevated contaminant concentrations were encountered as part of this site investigation, other than some lead, arsenic, and PAH species within the Made Ground material, given the potential sources of contamination identified on-site, should discreet hotspots be encountered, which were not previously detected, during the site clearance or groundworks, these should be dealt with accordingly, by informing all parties involved with the site and drafting new contamination proposals if necessary. A number of options are available for handling any such material, which include:

- The removal from site and disposal to a suitably licensed landfill of all material suspected of being contaminated.
- Short-term storage of the suspected material while undertaking verification testing for suspected contamination. The storage area should be a contained area to ensure that contamination does not migrate and affect other areas of the site. Depending upon the amounts of material under consideration, this could be either a skip or a lined area.
- Treatment of the identified contamination as discussed above.
- Having a suitably experienced Environmental Engineer either on-call or with a watching brief for the visual and olfactory assessment of the material, and sampling for verification purposes.

Should a new source of contamination be suspected or identified then the relevant local authorities would be informed. A report indicating the nature of contamination and how this is to be dealt with would be submitted to their department and for their agreement. Any necessary remediation would then be detailed and verified in a supplementary remediation statement.

GES can confirm that such a watching brief should exist on this site during any demolition/construction works and should any contamination or potentially contaminative sources be discovered during the proposed demolition/enabling works all site works would cease and suitably competent consultants/engineers will attend site.

11 CONTAMINATION RISK ASSESSMENT

This risk assessment has been undertaken with due regard to the advice relating to groundwater as provided in the Environment Agency's "Methodology for the Derivation of Remedial Targets for Soil and Groundwater to Protect Water Resources", the advice provided in the Contaminated Land (England) Regulations 2000, and the associated statutory guidance. The guidance defines contaminated land as any land that is in such a condition that by reason of substances in, on or under the land:

- significant harm is being caused or there is a significant possibility of such harm being caused; or
- pollution of controlled water is being, or is likely to be, caused.

This definition is based on the principles of risk assessment defined as a combination of the probability (or frequency) of occurrence of a defined hazard and the magnitude (including the seriousness) of the consequences. Central to the risk assessment process is the concept of pollutant linkage, that is a linkage between a contaminant and a receptor by means of a pathway.

Statutory definitions relating to pollution linkage.	
Contaminant	"a substance which is in, on or under the land and which has the potential to cause harm or to cause pollution of controlled waters."
Receptor	"a living organism, a group of living organisms, and ecological system or a piece of property" which meets given criteria. "controlled waters which are, or could be, polluted by a contaminant".
Pathway	"one or more routes or means by, or through, which a receptor: • is being exposed to, or affected by, a contaminant, or • could be so exposed or affected".

The relationship between these components is discussed below in order to identify the existence of any source-pathway-receptor linkage on the site, and hence the potential risks associated with any contamination.

This risk assessment is based on the proposed redevelopment of the site comprising the construction of nine new properties with associated soft landscaping and private gardens.

The significance of the risks to the receptors/targets identified is based on an evaluation of the potential pathways between the contaminant source and receptors based on the most sensitive end use, i.e. a residential with plant uptake end use.

Potential receptors/targets at the site and in the area in which the site is located include:

- future occupants and the general public;
- construction/maintenance workers;
- groundwater resources;
- underground services in and around the site;
- plants in proposed garden and soft landscaped areas.

11.1 CONTAMINANT SOURCES

No significant contaminant sources have been identified on the site, however the following general potential contaminant sources have been identified at the site and in the surrounding area:

Potential Source	Source Description	Principal Contaminants of Concern
Current and Historic Site Use	Near surface in-fill/ reworked material of unknown origin.	PAH, Metals, ACM
	Demolition waste.	
	Hazardous materials used within previous on-site buildings	ACM
Current and Historic Surrounding Land Use	Near surface made ground of unknown origin.	Ground Gases (Methane and Carbon Dioxide)

No visual or olfactory evidence of organic contamination was noted during the intrusive investigation or noted in the detailed soil sampling logs. In general, the analytical testing of soils retrieved as part of the intrusive investigation did not reveal significantly elevated contaminant concentrations although as mentioned in Section 10.1 of this report, elevated heavy metal and PAH concentrations were encountered on site. The risks associated with these contaminants are discussed below.

11.2 RISK TO HUMAN HEALTH

Toxic Metals

Concentrations of toxic metals cadmium, chromium, mercury, nickel, selenium, and zinc were all below their respective soil guidance values for a residential with plant uptake end use in all samples tested in this site investigation, therefore the risks to human health from these contaminants is considered to be low.

Six out of the nine soil samples tested contained lead concentrations above the C4SL guidance level of 200 mg/kg.

Three out of the nine soil samples tested contained arsenic concentrations above the C4SL guidance level of 37 mg/kg.

The test results have been assessed following the CLAIRE/CIEH (2008) guidance for statistical testing of a data set for planning purposes involving the calculation of the sample mean and sample standard deviation, investigation of the normality of the data distribution and investigation of outliers and the calculation of 95th UCL values. The measured concentrations on site have been statistically analysed using the ESI statistics calculator as described above. The 95th UCL of the test results have been used for subsequent comparison with the CLEA SGVs or CIEH GAC values as appropriate.

The application of the above statistical test was run for the lead and arsenic datasets.

The lead dataset showed that outliers were present and the sample mean exceeds the critical concentration, and therefore the soil on site, in terms of lead, could be considered to pose a significant risk of significant harm to human health.

The arsenic dataset showed that there were no outliers were present and although the sample mean is less than the critical concentration, there was not enough evidence to reject the null hypothesis and therefore the soil on site, in terms of arsenic, could be considered to pose a significant risk of significant harm to human health.

The test results sheet for all the datasets have been attached to this report at Appendix 7.

Organic Compounds

Concentrations of the organic compounds total PAH and total TPH, were generally low across the site and would therefore not be considered to pose a significant risk of significant harm to human health with the exception of certain PAH compounds.

Slightly elevated concentrations of Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(a)pyrene and Dibenzo(a,h)anthracene were however encountered in certain near surface soil samples which could potentially be considered to pose a significant risk of significant harm to human health.

Areas of the site to be covered by buildings and hardstanding would not pose a significant risk of significant harm as they would sever any potential pollutant pathway however it is considered that there is a potential risk to human health under the context of Part IIA in proposed garden areas and areas of soft landscaping.

As such, soils across the site would not be considered suitable to remain on site in areas where they could come into contact with future site users, i.e. proposed garden/soft landscaped areas.

The contaminated soils indicated on site, and discussed above, could not be left in the proposed garden areas of the site since a potential contaminant source to receptor pathway would be open through the permeable garden soils.

It is noted that suitable growth media for the proposed soft landscaping is unlikely to be present on site following site preparatory works and therefore such would need to be

imported. This would effectively sever any potential pathway between any contaminated soils and future receptors.

It is noted that the existing on-site soils would be suitable to remain on site, and be reused in areas where they would not come into contact with human receptors.

Inorganic Compounds

No asbestos containing material (ACM) was encountered at the site.

On the balance of the toxicological risks posed by the ground contamination encountered as part of the intrusive investigation undertaken by GES, it is considered that the potential risks to site workers and future occupants could be adequately controlled as follows:

Site Workers

- Provision of appropriate personal protective equipment and hygiene facilities.
- Good working practice in line with current legislation when safely handling and disposing of asbestos material.
- Provision of appropriate dust suppression, to minimise the generation of potentially contaminated suspended particulates during site works.

Future Occupants

- Elevated levels of contaminants have been found at the site which could pose a risk to future occupants if exposed to the material for instance in a garden or area of soft landscaping. Current development proposals include private gardens.
- With regard to the areas which may be set to garden areas in the proposed development it is noted that given the absence of such on site, suitable growth media would need to be imported into these areas of the site. Any such imported growth media would require analytical testing to confirm its suitability as growth media and its compliance with their relevant SGVs.
- Following the enabling works in the proposed garden areas on site material will be excavated and certified clean sub soils and topsoil imported for the garden areas. BRE cover system modelling has been carried out which confirms the thickness of clean soil required and the model results spreadsheet is attached at Appendix 8. Reference to the BRE 465 'Cover Systems for Land Regeneration, Thickness of Cover Systems for Contaminated Land' 2004 document shows that such a cover could reduce the risk of exposure.
- The modelling results indicates that a simple cover system of approximately 560 mm soils would be required to sever the linkage of pollutants in the soil below in the proposed garden areas based on the worst-case contamination recorded on site. It should be noted that this would be considered a conservative approach

since most of the contaminated Made Ground indicated in this area will be removed as part of the site enabling works. Typically, 150 mm topsoil over approximately 410 mm clean free draining subsoils would generally be considered sufficient. Where deep rooting shrubs / trees are proposed in any landscaping it may be necessary to locally deepen the clean cover to accommodate a healthy root bowl. No such clean cover has been laid on site yet and will not be brought to site and placed until the construction phase is completed to avoid over compaction by site plant.

- In areas which are to be covered by either buildings or hard standing, no such clean cover layer is required to sever the contain source to receptor pathway.
- Following implementation of the aforementioned remedial measures the site would not be considered to pose a potential risk of significant harm to human health in the context of Part 2A.

11.3 RISKS TO WATER RESOURCES

The site is underlain by Chalk which is designated as a Principal Aquifer. The site is not located within a Groundwater Source Protection Zone.

Significant levels of potentially soluble and therefore mobile organic contaminant sources were not measured on site within the samples tested. It is therefore considered risks to groundwater resources are considered to be classed as low.

11.4 RISKS TO PLANTS

Significantly elevated concentrations of phytotoxic metals which could be considered harmful to plants were encountered on site with elevated zinc concentrations.

However, due to an absence of a suitable growth media across the majority of the site, it is necessary to implement the remedial works detailed above i.e. the importation of clean topsoil in proposed garden and soft landscaped areas.

This action would ensure any residual contamination is isolated below the rooting zone of plants, and therefore unavailable for uptake, thus ensuring any source receptor pathways are severed. The risk to plant health posed by the contaminants identified would be considered to be low following implementation of the remedial strategy.

11.5 RISKS TO BUILDINGS & SERVICES

The risks to buried services from organic contamination such as TPH, which can degrade/permeate plastics and other polymer materials used to supply potable water is considered to be moderate.

Based on current guidance, the need to protect incoming water supplies, e.g. by the use of barrier pipes, is likely given the contaminant levels encountered as part of this

investigation, however it is always advisable that confirmation from utility suppliers should be sought.

11.6 WASTE DISPOSAL

Should an excess volume of soil be required to be disposed of off-site then a waste classification may be required.

For a waste classification to be undertaken, materials may need to be subjected to chemical testing which would give an indication to the contaminants present and, therefore those most toxic to the environment in the waste. Following the assessment of the waste as hazardous or non-hazardous waste acceptance criteria leachate testing allows the appropriate disposal pathway to a suitably licensed disposal facility to be further determined.

As a preliminary waste assessment and based on the results of materials tested to date, it is considered that the majority of any surplus soils requiring off-site disposal would be classified as EWC 17 05 04 non-hazardous and acceptable at a waste facility licenced to accept inert material.

12 CONCEPTUAL SITE MODEL

A conceptual site model (CSM) is a system diagram identifying contaminant sources, routes of exposure (pathways), and which receptors are affected by contaminants moving along those pathways.

The model is produced to identify the zones of the site with different potential contaminations characteristics (e.g. whether contaminants in the soil are likely to be on the surface or at depth, distributed over an entire area or in localised 'hot spots').

The conceptual site model presented in the table below is based on the findings of the site investigation undertaken.

Source	Pollutant		Pathway	Hazard		Receptor	Observations/ Recommendations	Assessed Risk
Contaminated ground	Metals, organic (hydrocarbons) could be present	→	Direct contact, ingestion, inhalation.	Health risks including skin irritation.	→	Humans: site workers and future occupants	Normal health and safety precautions. Elevated contaminant concentrations present in soils likely to be removed from site during site preparatory works. Placement of clean topsoil required in any proposed soft landscaped areas.	Low following proposed remedial works
			Surface run off.	Lateral movement to surface watercourses.	→	Aquatic resources, ecology and subsequent users including humans.	No surface water courses in immediate vicinity of the site.	Low
			Leaching/ Dispersion.	Downward migration to groundwater.	→	Aquatic resources – Groundwater, abstraction wells) / surface waters.	No significantly elevated contaminant concentrations encountered.	Low
			Uptake by plants.	Phytotoxic effects.	→	Soft landscaped areas / plants.	Elevated contaminant concentrations present in soils likely to be removed from site during site preparatory works. Placement of clean topsoil required in any proposed soft landscaped areas.	Low following proposed remedial works
			Direct contact	Aggressive chemical attack	→	Building structures and services	It is considered that protection of services is likely to be required on this site however advice should be sought from Statutory Providers especially as to whether potable water pipes should be protected.	Low

Baker Street, Reading Geo-Environmental Investigation



Source	Pollutant		Pathway	Hazard		Receptor	Observations/ Recommendations	Assessed Risk
Liquid contaminant sources	Diesel, Petrol and Oils.	→	Direct contact; ingestion, inhalation.	Health risks including skin irritation. Lateral and vertical migration of contaminants.	→	Humans: site workers. Groundwater and surface water.	No significantly elevated contaminant concentrations encountered. Placement of clean topsoil required in any proposed soft landscaped areas.	Low following proposed remedial works
Asbestos	Asbestos fibres within made ground and waste on site	→	Inhalation.	Health risks including asbestosis, mesothelioma, and lung cancer.	→	Humans: site workers and future occupants.	Appropriate PPE should be worn during site works. No asbestos fibres identified in samples retrieved from site.	Low
Redundant Waste, Demolition Waste			Dermal Contact/ingestion. Potential for migration via surface water run-off	Health Risks		Humans: Site workers	All waste on site is to be removed from site during site preparatory works and disposed of in accordance with current legislation.	Low

13 CONCLUSIONS AND RECOMMENDATIONS

Based on the site investigation, intrusive works and subsequent data assessment, the following conclusions and recommendations have been drawn in respect of the proposed development of 57 Baker Street. Reading.

Geotechnical

- The ground investigation found Made Ground over soils of the Lambeth Group. Beneath the Lambeth Group, the Seaford and Newhaven Chalk Formations were encountered.
- At the time of reporting, applied structural loads from the proposed redevelopment of the site were unknown. However for preliminary foundation design purposes a line load of 60 kN/m run has been assumed.
- The use of shallow foundations is considered marginal due to the variable composition of the near surface Lambeth Group soils and the potential risk of differential settlement.
- The use of piles founding within the underlying Seaford and Newhaven Chalk Formations could be considered as an alternative founding option although additional ground investigation would be required to obtain design parameters at depth.
- Suspended ground floors are recommended.

Environmental

- The site is located above a Principal Aquifer and is not located within an Environment Agency defined groundwater Source Protection Zone.
- No significant sources of potential contamination were highlighted on site.
- Concentrations of toxic metals were found to be below their respective soil guideline values with the exception of elevated lead and arsenic.
- Elevated PAH concentrations, including Benzo(a)anthracene, Chrysene, Benzo(b)fluoranthene, Benzo(a)Pyrene, and Dibenz(a,h)anthracene were encountered at a level that could pose a significant risk of significant harm to human health.
- The modelling results indicates that a simple cover system of approximately 560 mm soils would be required to sever the linkage of pollutants in the soil below in the proposed garden areas based on the worst-case contamination recorded on site.
- Concentrations of TPH were generally low within soil across the site and would therefore not be considered to pose a significant risk of significant harm to human health.



- The risks posed to workers involved in any future redevelopment of the site are not considered significant providing standard health and hygiene practices are adopted.
- Based on concentrations of PAH found across the site it is likely that any new services, in particular potable water, will require protection, however it is advisable to seek service provider confirmation of this.
- The risks to groundwater in the underlying Principal Aquifer are considered to be low due to the lack of any significant mobile organic contamination.
- The majority of any surplus soil material to be removed off site is likely to be classified as non-hazardous and may be acceptable at a facility licensed to accept inert waste.
- It is recommended that a watching brief is implemented on this site during enabling works and should any contamination or potentially contaminative sources be discovered during the proposed enabling works all site works would cease and suitably competent consultants/engineers will attend site to agree a formal remediation strategy.

Based on the principles and definitions outlined under section 57 of the Environment Act 1995, the site would not be considered to be “Contaminated Land” based on its proposed residential redevelopment end use following implementation of the above remedial measures.

Site Location Plan

Sheet: 1 of 1

Job No: ZB3346

Scale: Not to scale

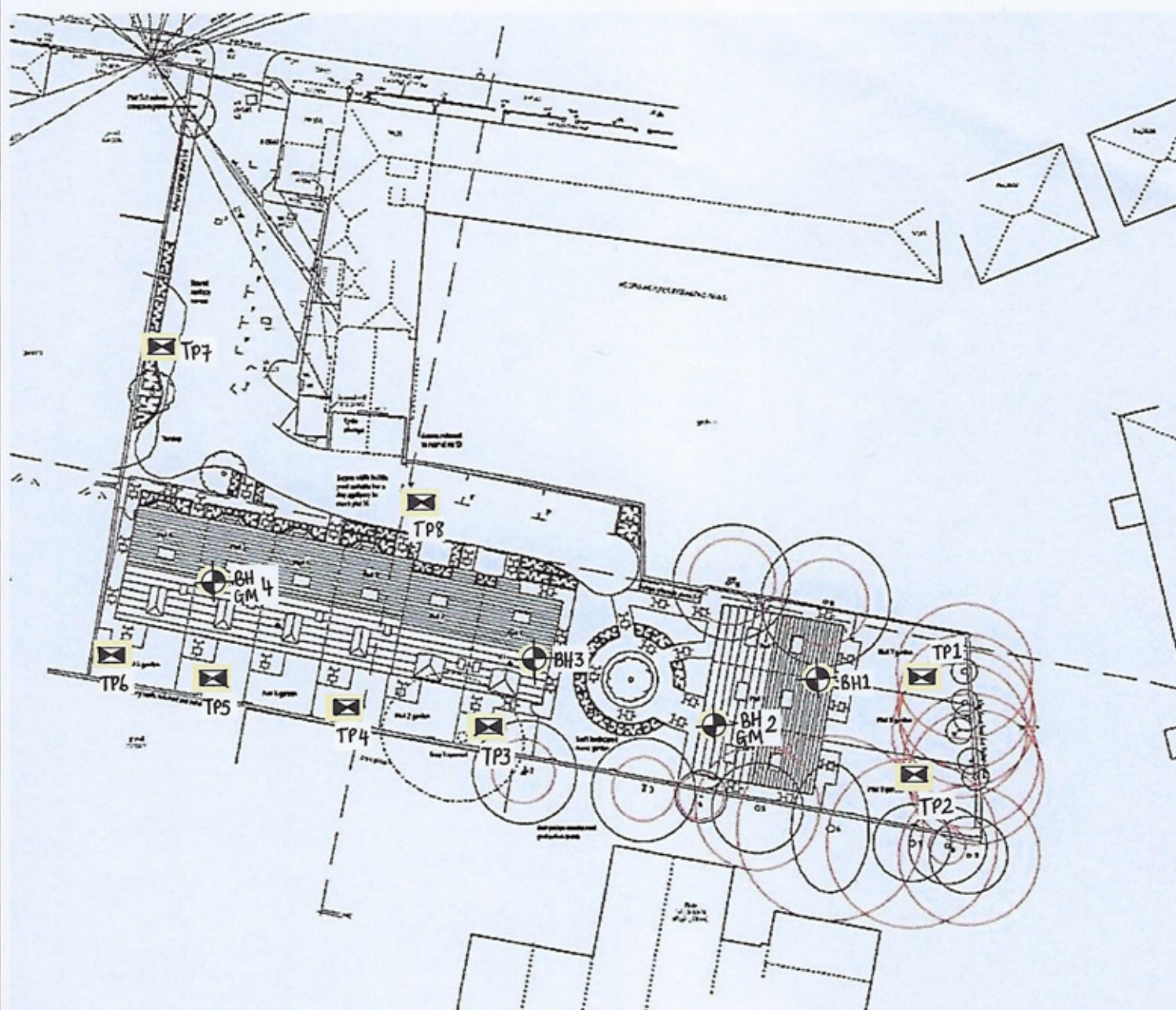
Date: 16/07/19

Client: ZBU Enterprises Holdings Ltd

SOIL INVESTIGATION
EASTERN LIMITED

Tel/Fax 01245 237555 Mobile 07810 820620

Site: 57 Baker Street, Reading. RG1 7XX



Remarks ON SITE TREE IDENTIFICATION
FOR GUIDANCE ONLY.
NOT AUTHENTICATED.

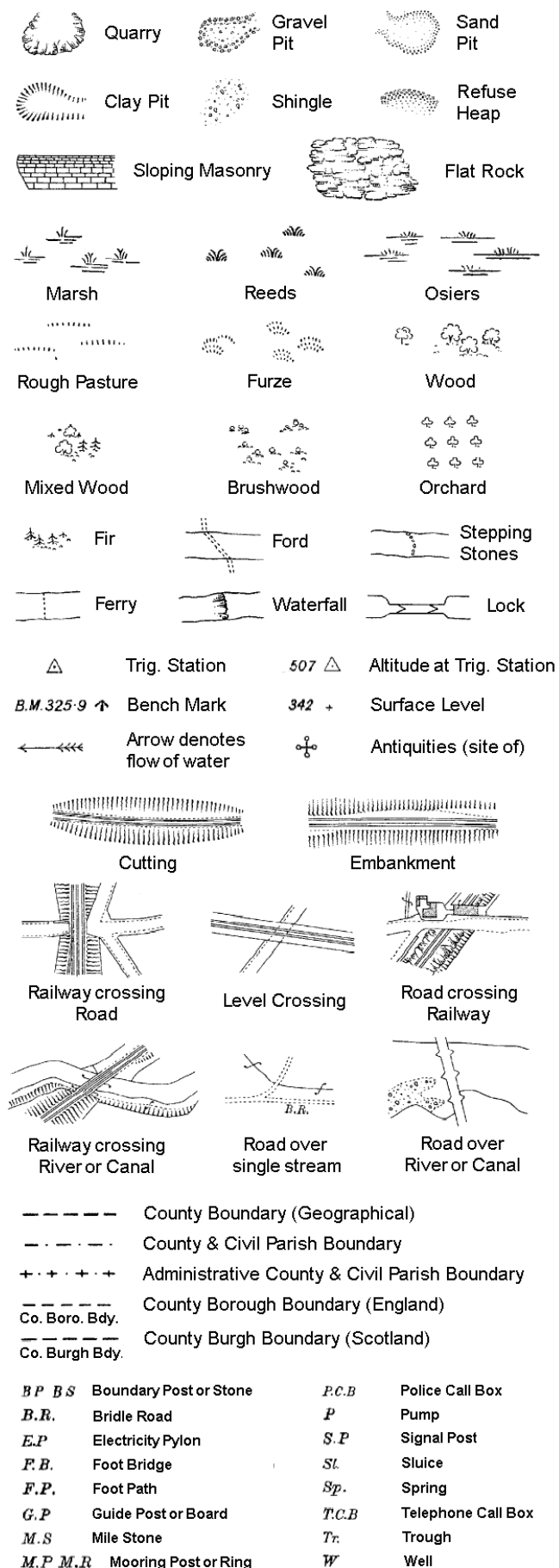
Key: Trial Pit
 MH Man Hole
 SVP Soil Vent Pipe
 RWP Rain Water Pipe
 Borehole
 Gulley
 Tree / Bush (approx. ht. in m)



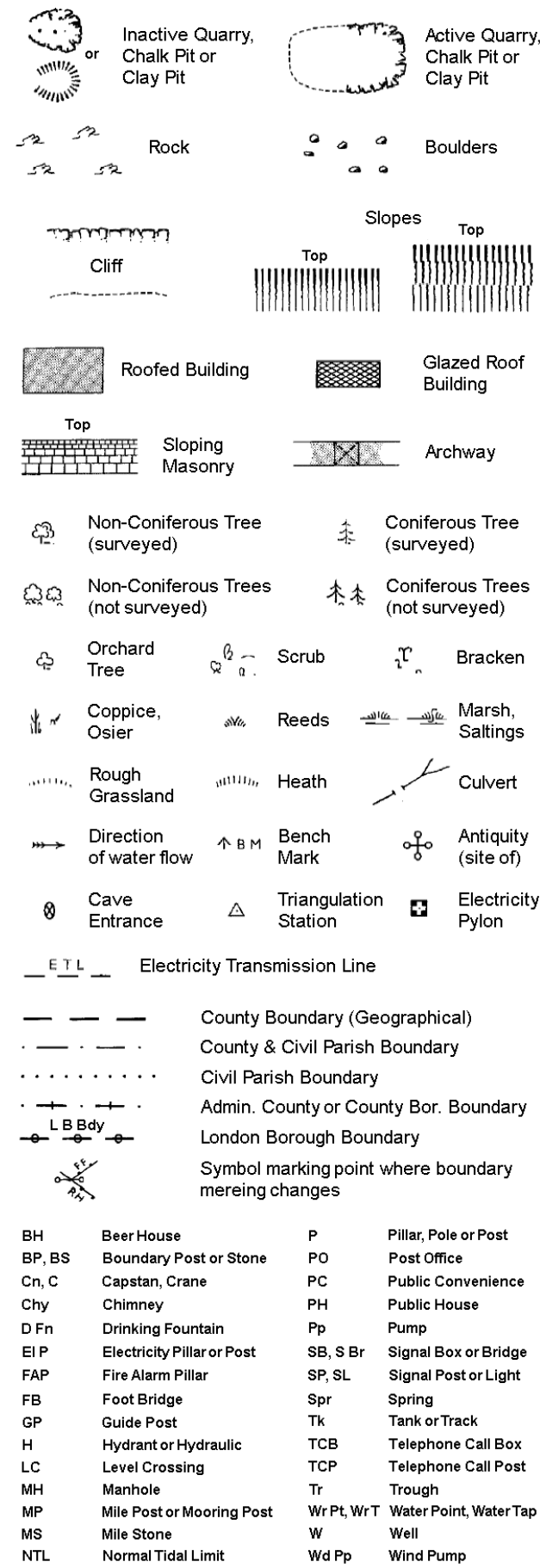
APPENDIX 1
HISTORICAL MAPS

Historical Mapping Legends

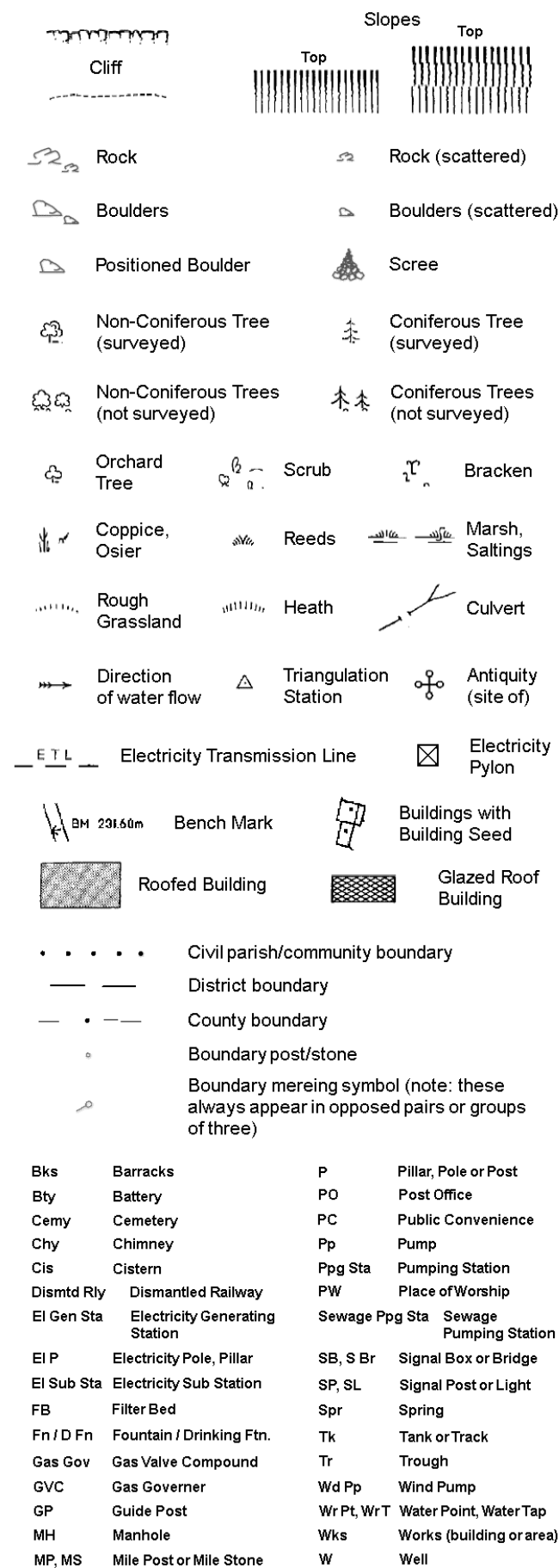
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



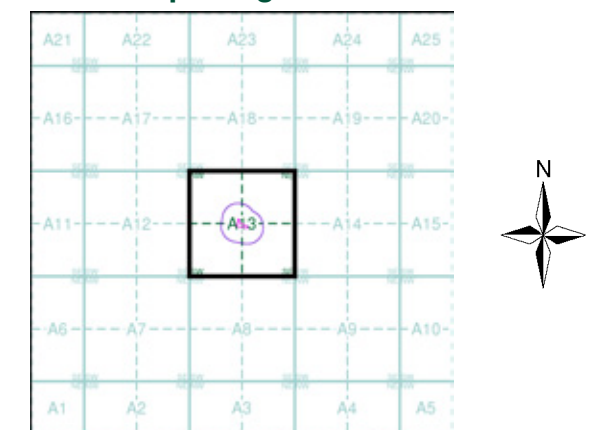
Large-Scale National Grid Data 1:2,500 and 1:1,250



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	1931	5
Ordnance Survey Plan	1:1,250	1957 - 1960	6
Ordnance Survey Plan	1:2,500	1958 - 1961	7
Ordnance Survey Plan	1:1,250	1962 - 1971	8
Ordnance Survey Plan	1:1,250	1970 - 1982	9
Ordnance Survey Plan	1:2,500	1971	10
Additional SIMs	1:1,250	1972 - 1988	11
Ordnance Survey Plan	1:1,250	1980	12
Additional SIMs	1:1,250	1986 - 1993	13
Large-Scale National Grid Data	1:1,250	1993	14
Large-Scale National Grid Data	1:1,250	1995	15
Large-Scale National Grid Data	1:1,250	1996	16

Historical Map - Segment A13



Order Details

Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

57, Baker Street, READING, RG1 7XX



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Fax: 0844 844 9951
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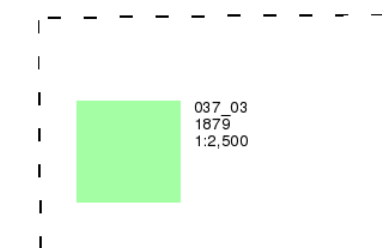
Berkshire

Published 1879

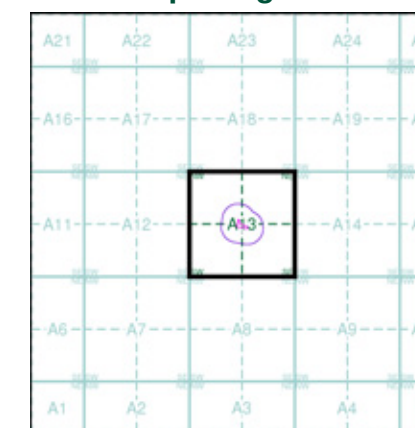
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered 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

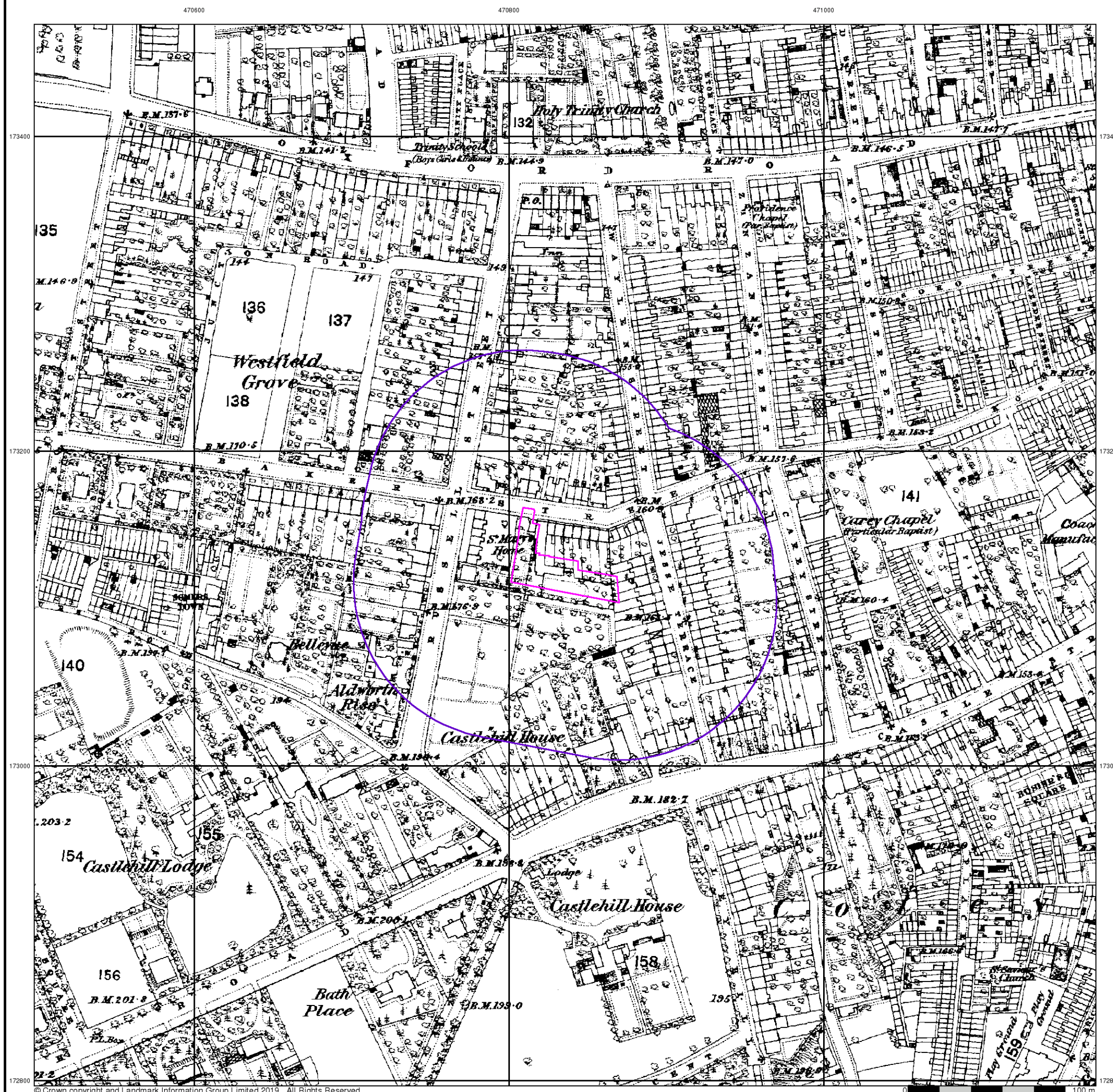
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Site Area (Ha): 0.16
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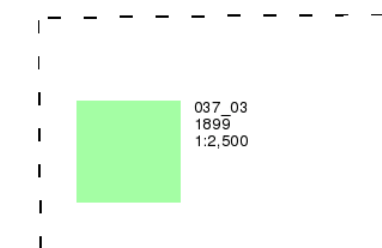
Berkshire

Published 1899

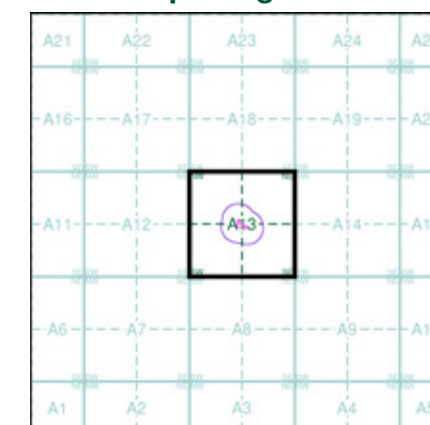
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

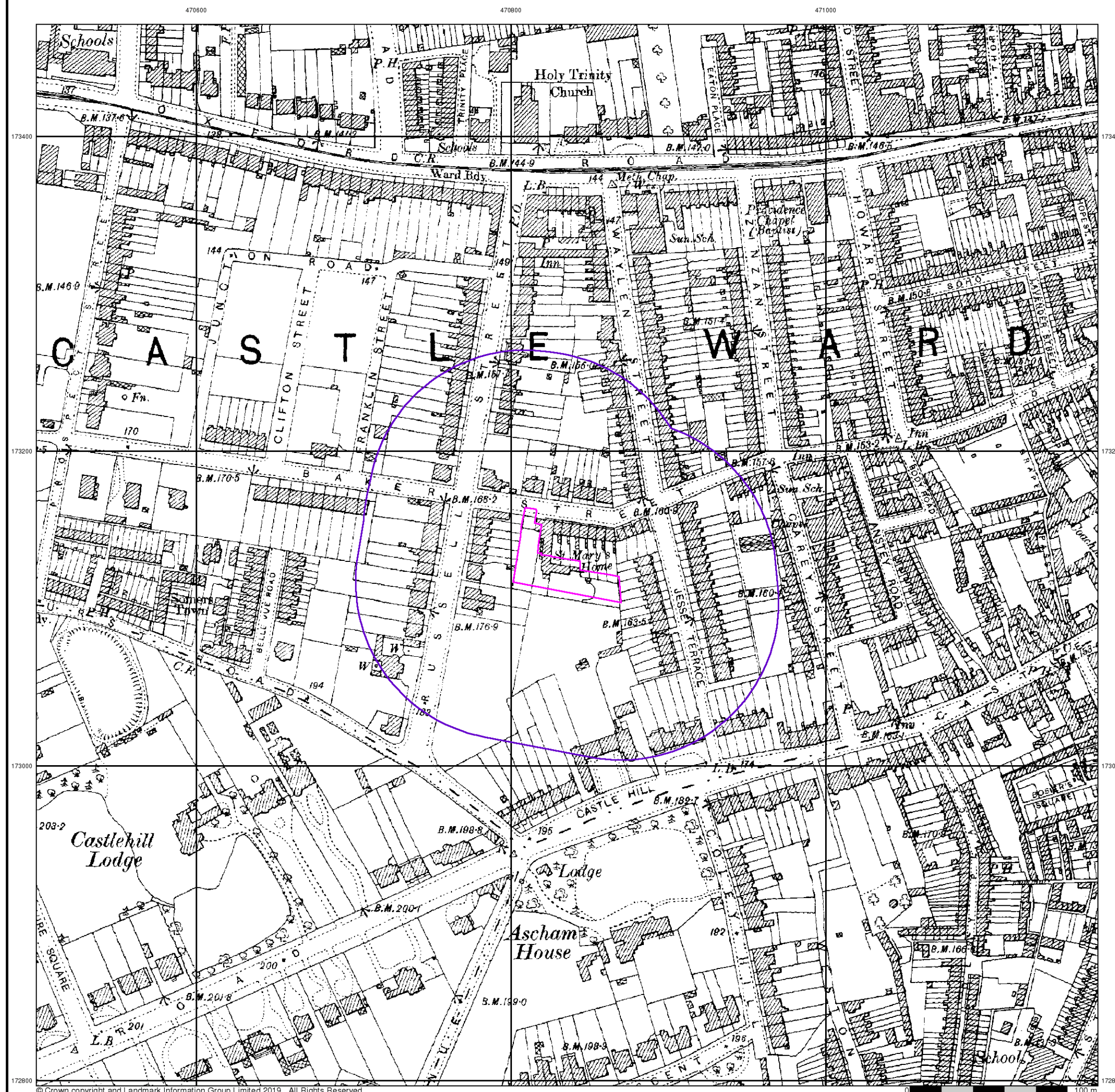
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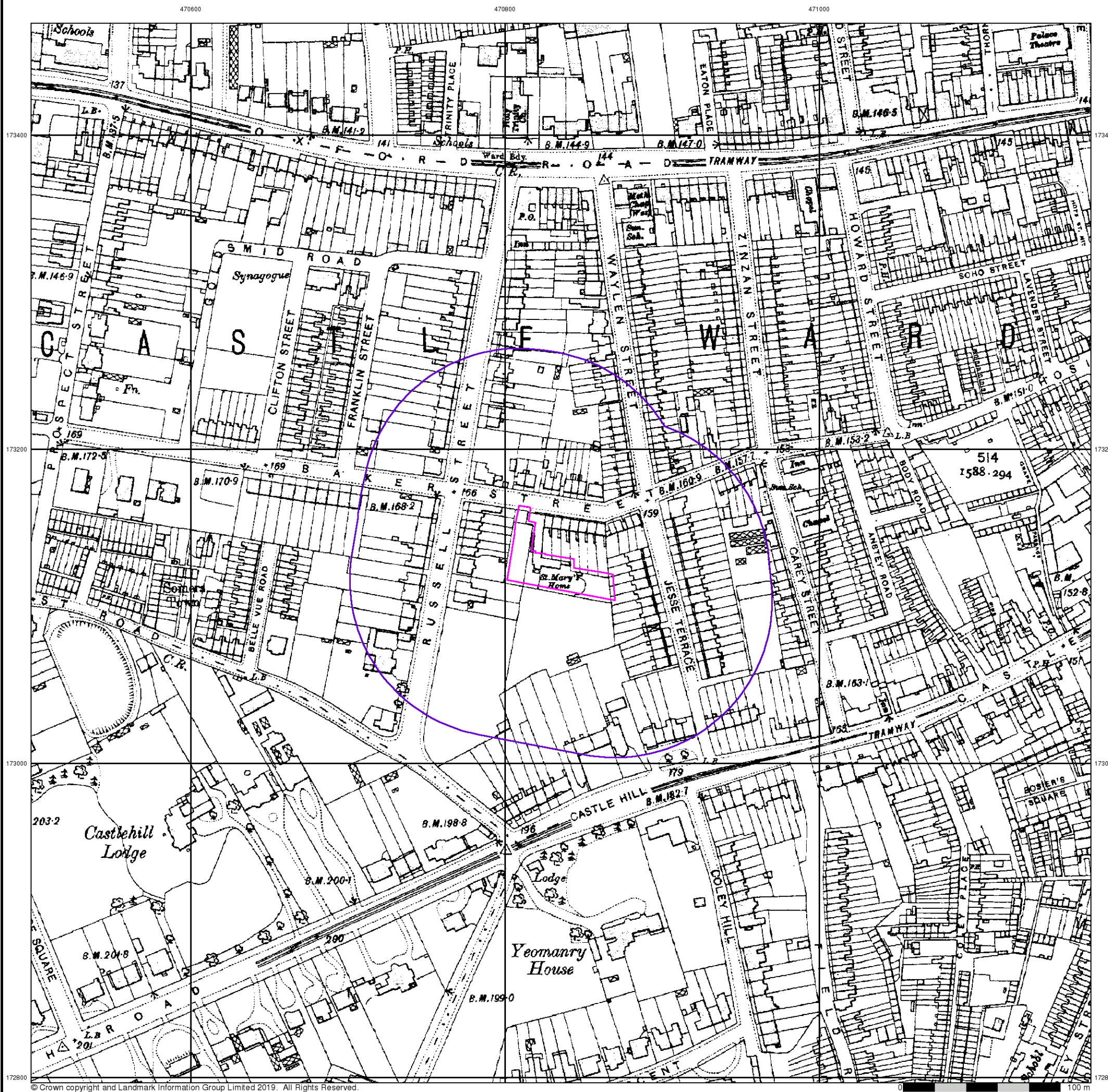
Site Details

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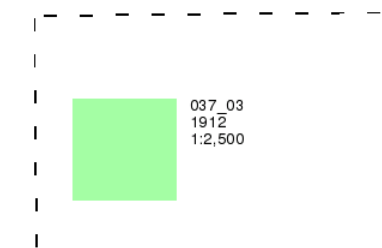
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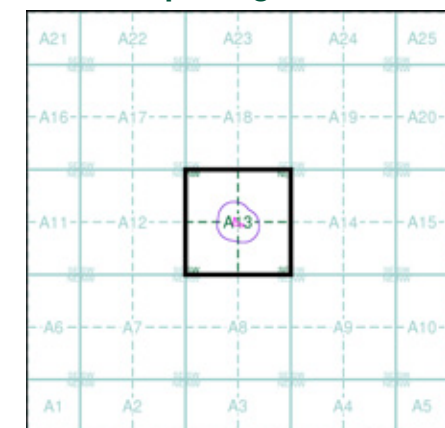
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

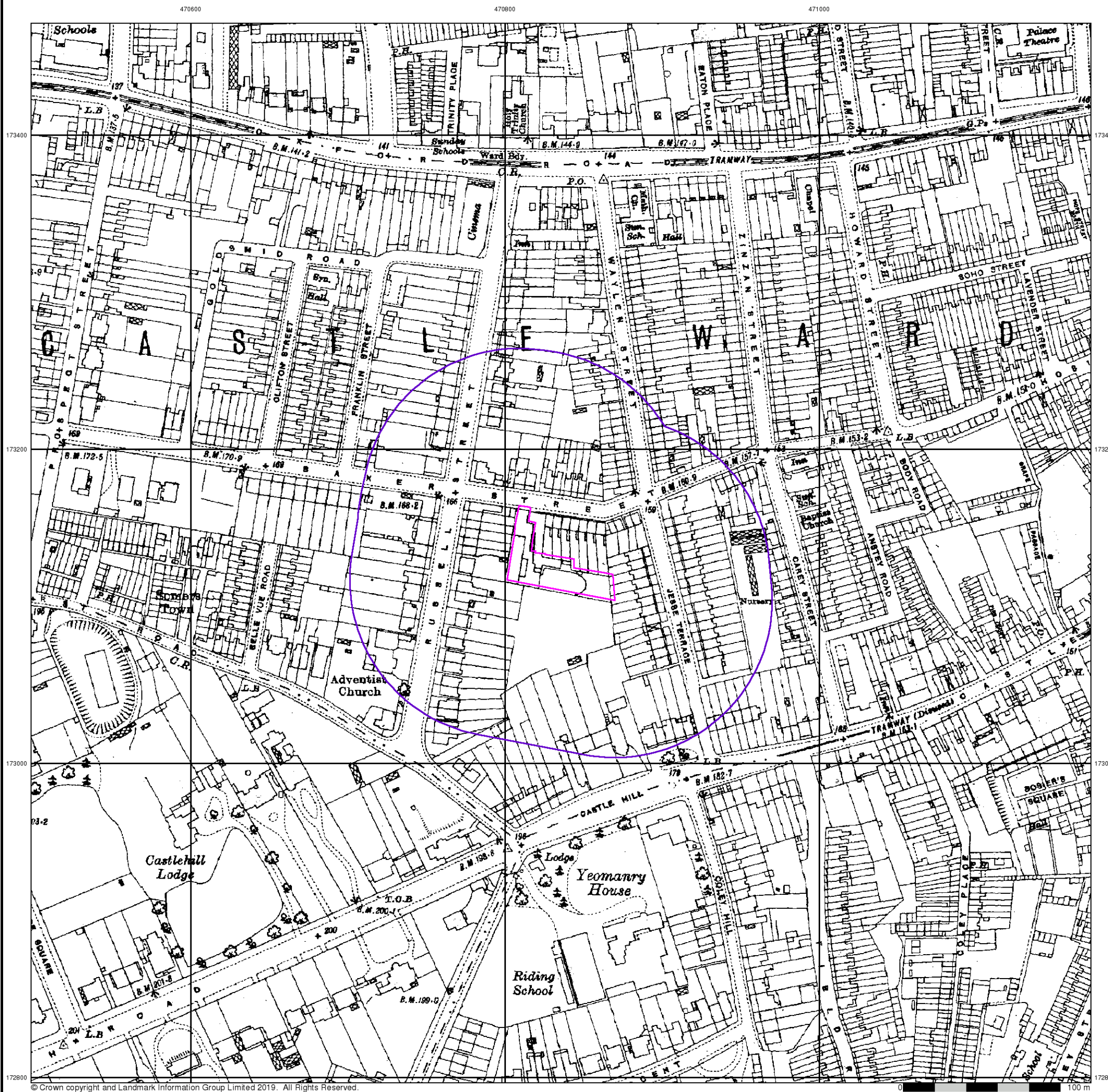
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Site Area (Ha): 0.16
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Site Details

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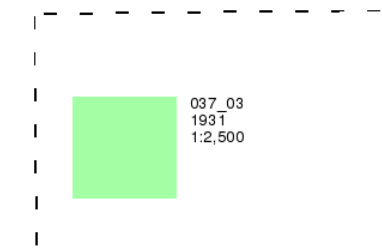
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Published 1931

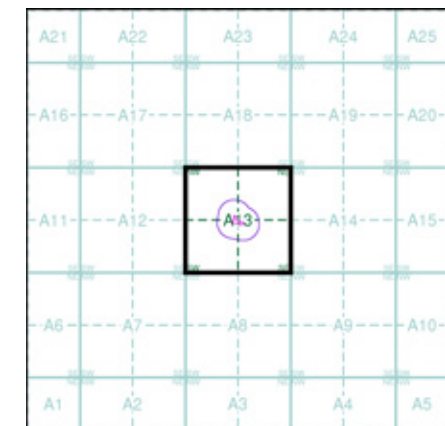
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1957 - 1960

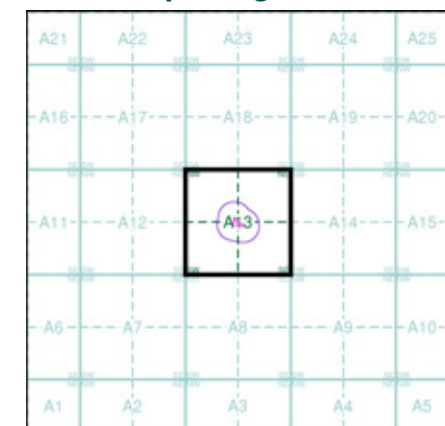
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Map Name(s) and Date(s)

SU7073SW 1959 1:1,250	SU7073SE 1959 1:1,250	SU7173SW 1957 1:1,250
SU7072NW 1960 1:1,250	SU7072NE 1960 1:1,250	SU7172NW 1958 1:1,250

Historical Map - Segment A13



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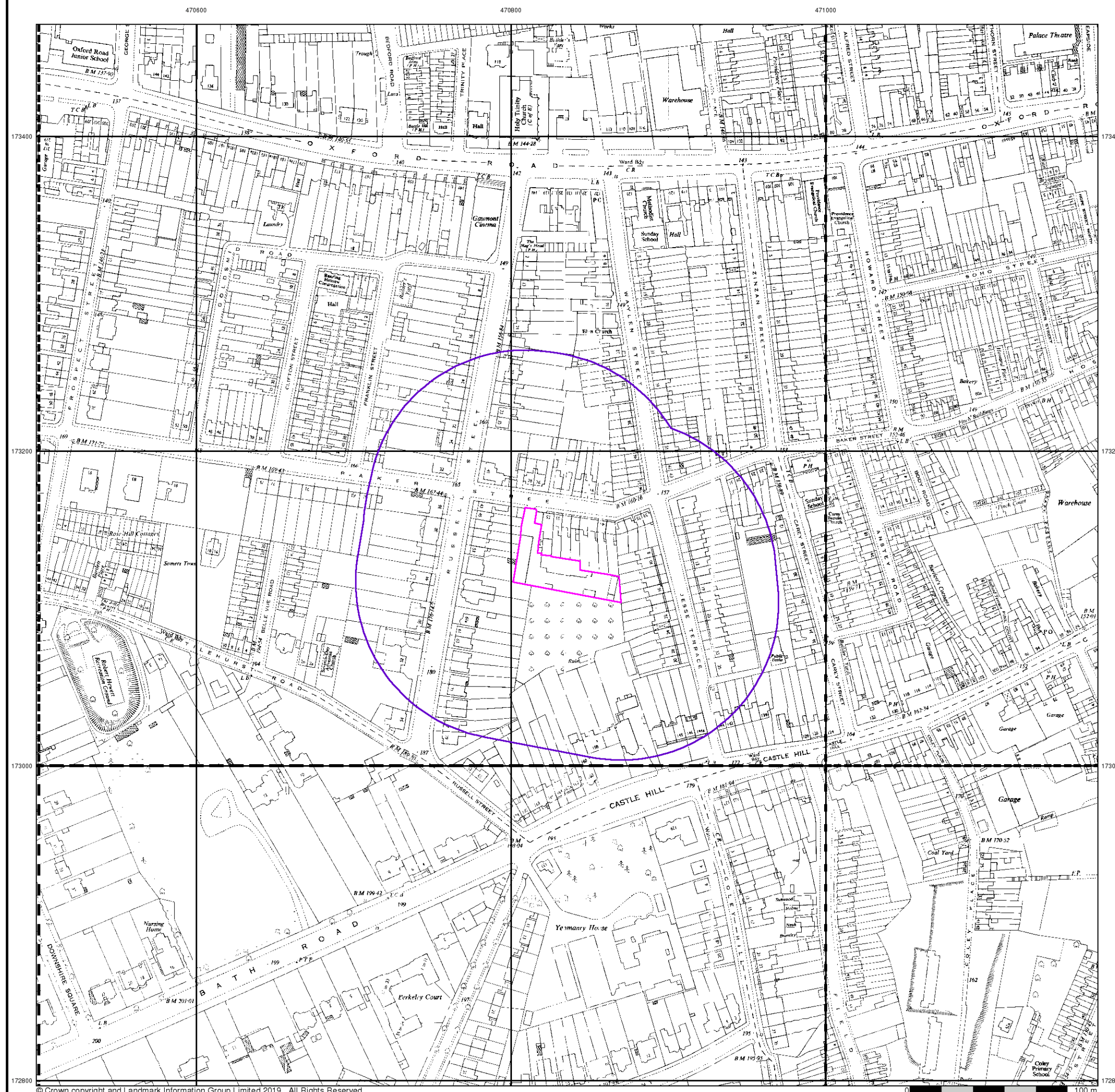
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Search Buffer (m): 100

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Ordnance Survey Plan

Published 1958 - 1961

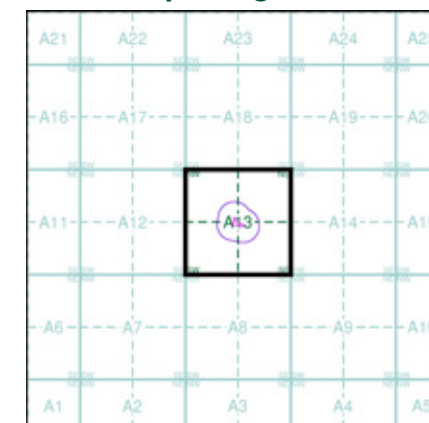
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Map Name(s) and Date(s)

SU7073	1961	12,500
SU7072	1961	12,500
SU7172	1958	12,500

Historical Map - Segment A13



Order Details

Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

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Ordnance Survey Plan

Published 1962 - 1971

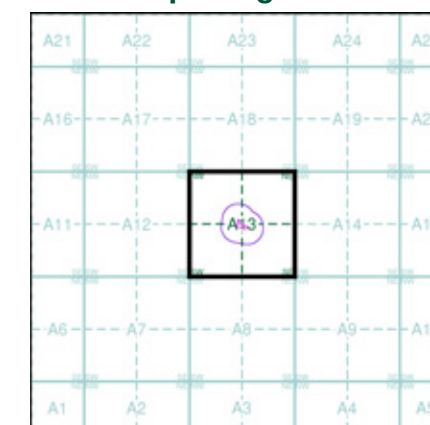
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Map Name(s) and Date(s)

SU7073SW 1971 1:1,250	SU7073SE 1971 1:1,250	SU7173SW 1962 1:1,250
SU7072NW 1969 1:1,250	SU7072NE 1969 1:1,250	SU7172NW 1969 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

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Ordnance Survey Plan

Published 1970 - 1982

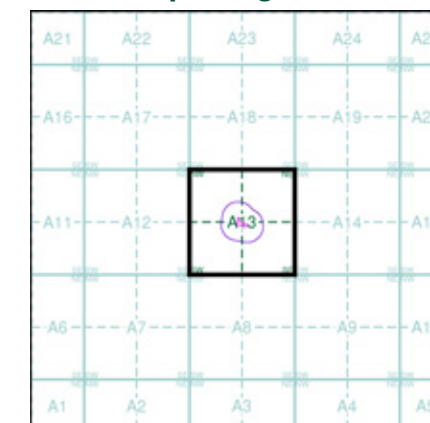
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Map Name(s) and Date(s)

		SU7173SW 1970 1:1,250
SU7072NW 1982 1:1,250	SU7072NE 1976 1:1,250	SU7172NW 1972 1:1,250

Historical Map - Segment A13



Order Details

Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
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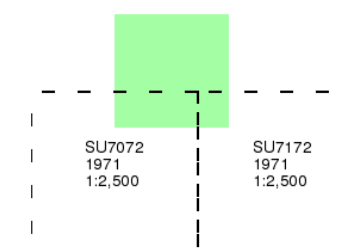
Ordnance Survey Plan

Published 1971

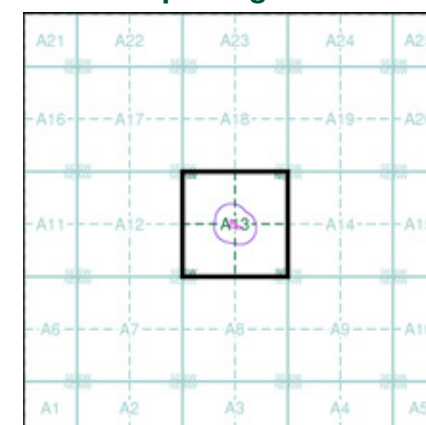
Source map scale - 1:2,500

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

Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

57, Baker Street, READING, RG1 7XX



Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



Additional SIMs

Published 1972 - 1988

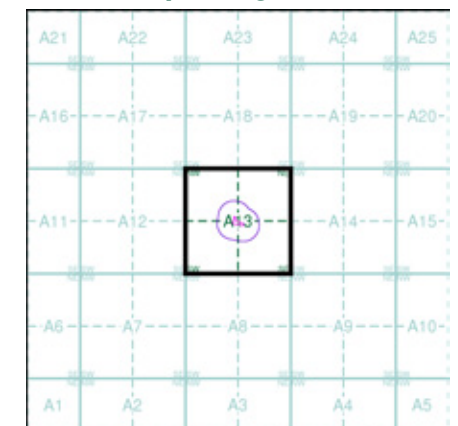
Source map scale - 1:1,250

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)

SU7073SW 1978 1:1,250	SU7073SE 1977 1:1,250	SU7173SW 1988 1:1,250
SU7072NW 1977 1:1,250	SU7072NE 1972 1:1,250	SU7172NW 1986 1:1,250

Historical Map - Segment A13



Order Details

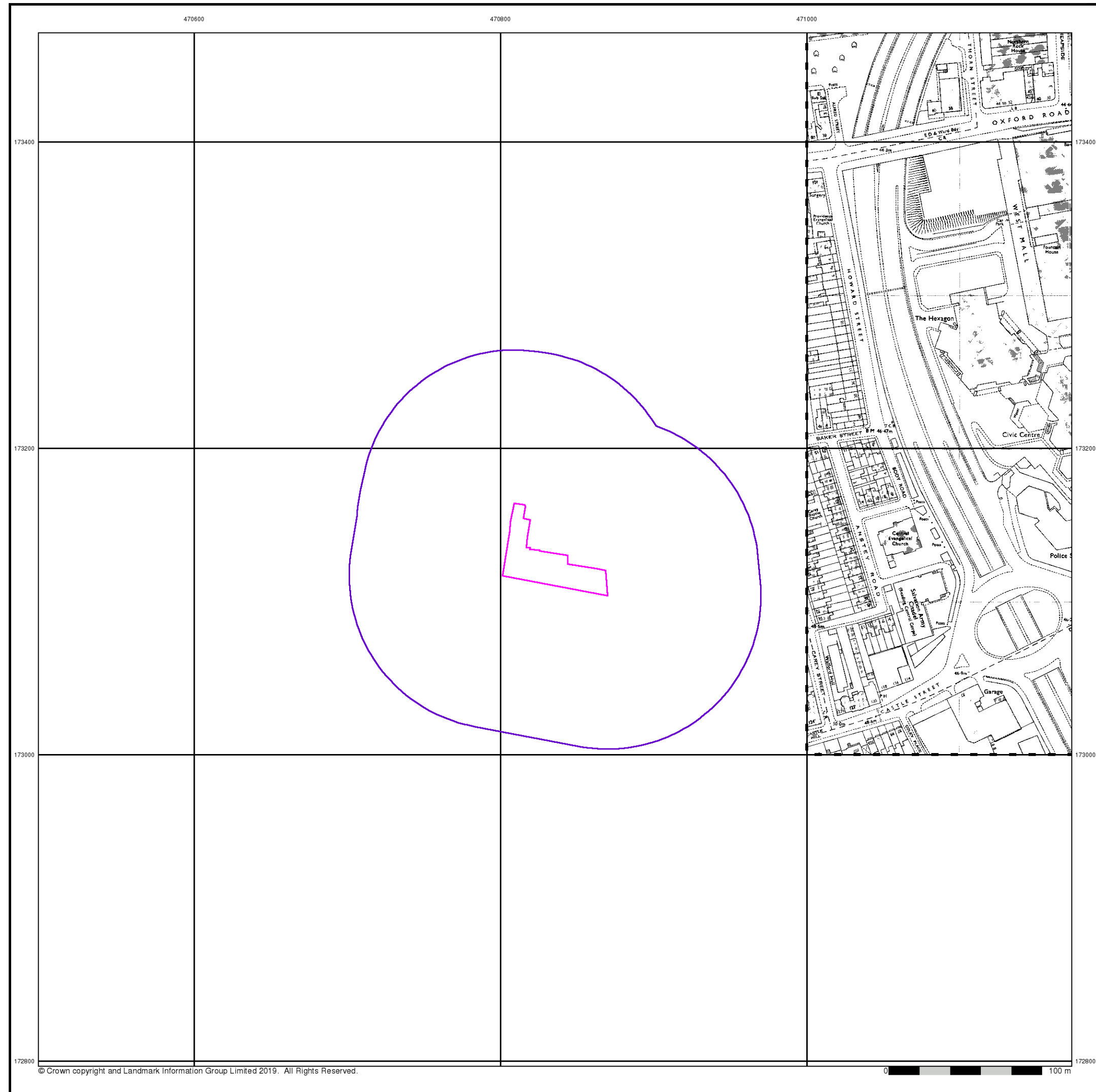
Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

57, Baker Street, READING, RG1 7XX



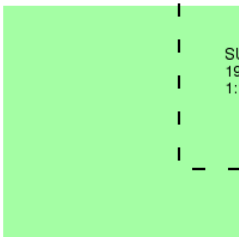
Tel: 0844 844 9952
Fax: 0844 844 9951
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Ordnance Survey Plan
Published 1980
Source map scale - 1:1,250

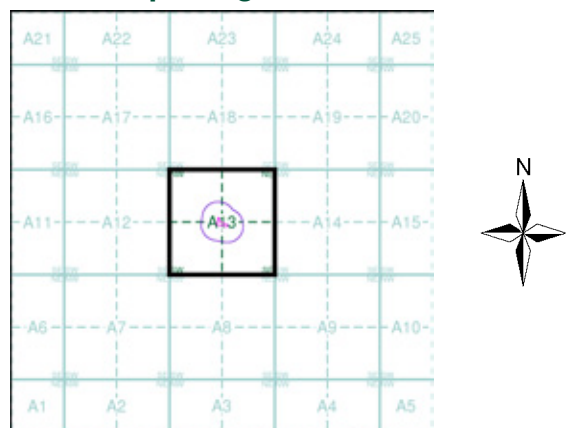
The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered to be the cultivated parts of Great Britain. 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)



SU7173SW
1980
1:1,250

Historical Map - Segment A13



Order Details
Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details
57, Baker Street, READING, RG1 7XX



Additional SIMs

Published 1986 - 1993

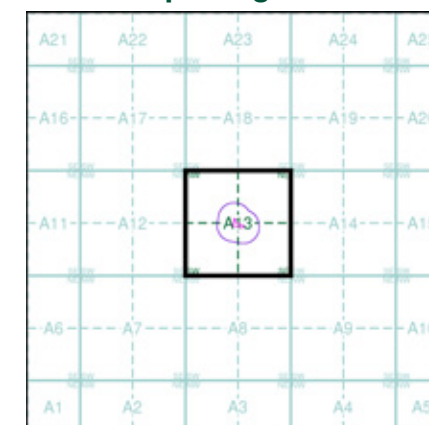
Source map scale - 1:1,250

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)

SU7073SW 1993 1:1,250	SU7073SE 1986 1:1,250
SU7072NE 1988 1:1,250	SU7172NW 1991 1:1,250

Historical Map - Segment A13



Order Details

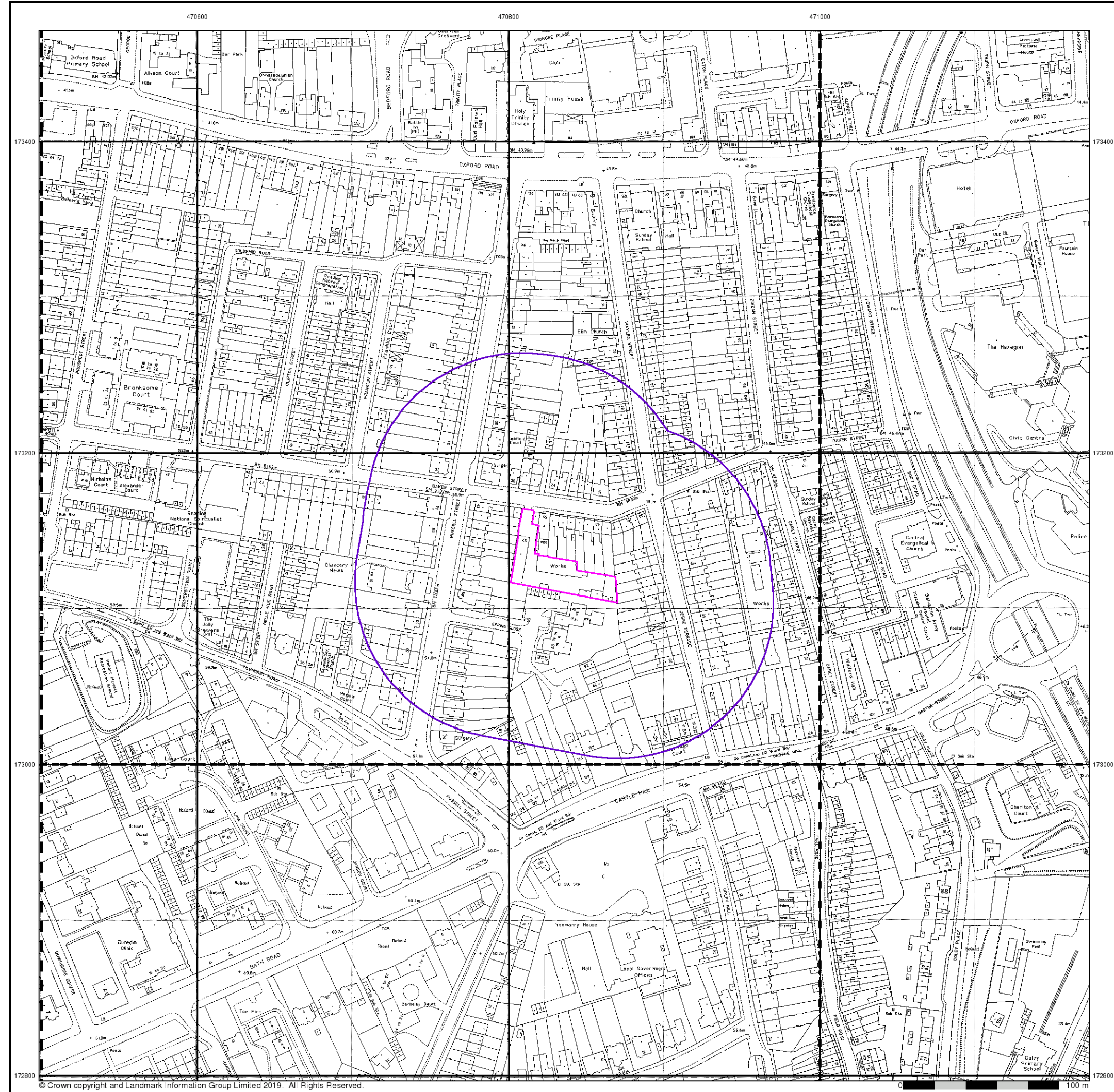
Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1993

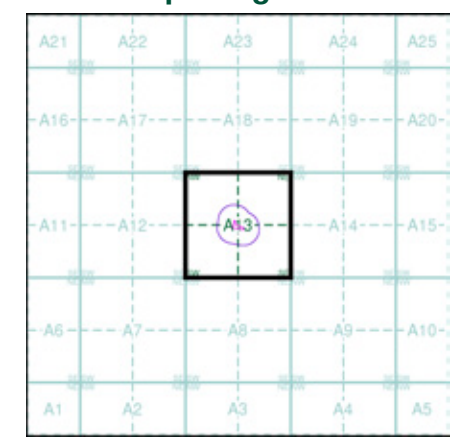
Source map scale - 1:1,250

'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)

SU7073SW 1993 1:1,250	SU7073SE 1993 1:1,250	SU7173SW 1993 1:1,250
SU7072NW 1993 1:1,250	SU7072NE 1993 1:1,250	SU7172NW 1993 1:1,250

Historical Map - Segment A13



Order Details

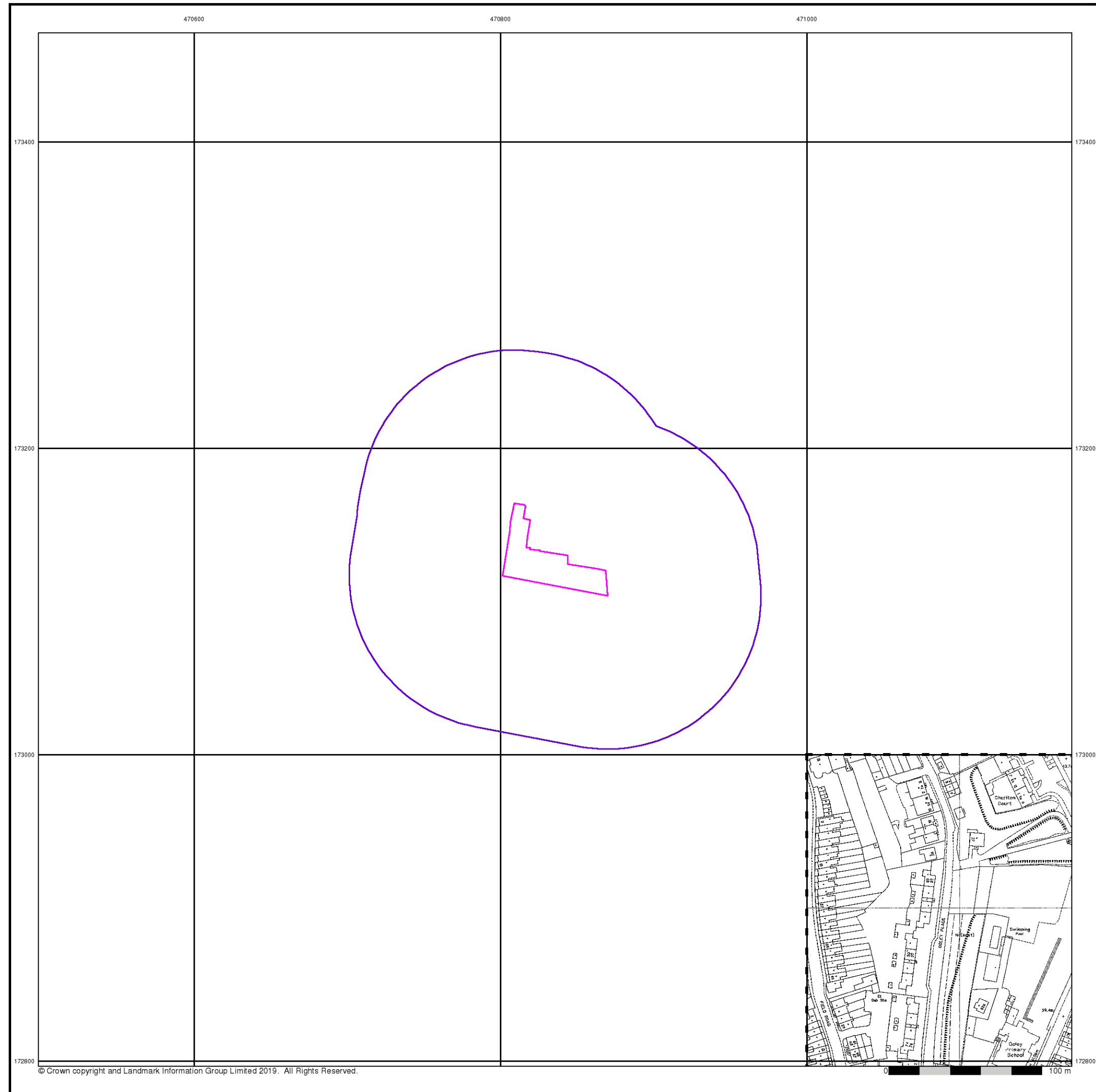
Order Number: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

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Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



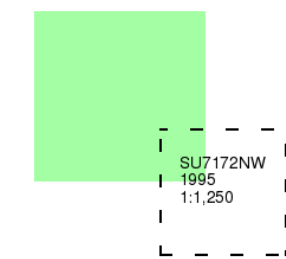
Large-Scale National Grid Data

Published 1995

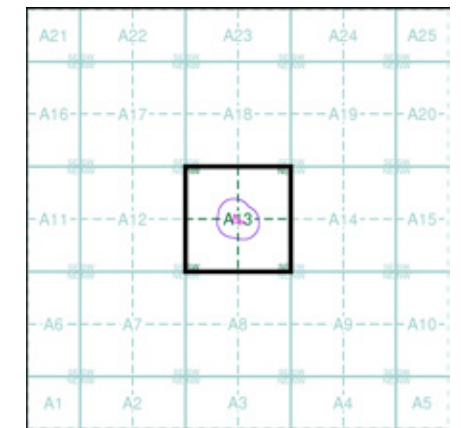
Source map scale - 1:1,250

'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: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

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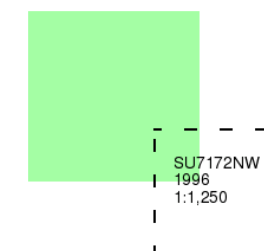
Large-Scale National Grid Data

Published 1996

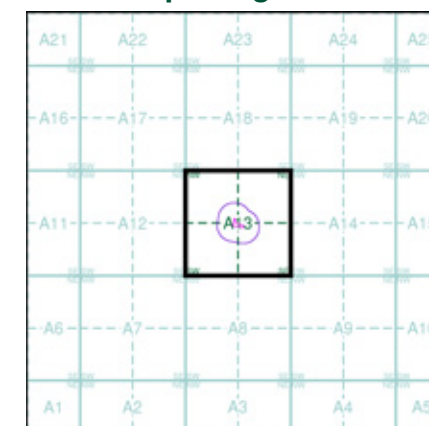
Source map scale - 1:1,250

'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: 215990678_1_1
Customer Ref: 12240
National Grid Reference: 470830, 173130
Slice: A
Site Area (Ha): 0.16
Search Buffer (m): 100

Site Details

57, Baker Street, READING, RG1 7XX



Tel: 0844 844 9952
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Web: www.envirocheck.co.uk

173400

173200

173000

172800



APPENDIX 2
ENVIROCHECK REPORT



Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

215990678_1_1

Customer Reference:

12240

National Grid Reference:

470830, 173130

Slice:

A

Site Area (Ha):

0.16

Search Buffer (m):

1000

Site Details:

57, Baker Street

READING

RG1 7XX

Client Details:

Mr P Johnson

Ground & Environmental Services Ltd

Unit 2, Montpelier Business Park

Dencora Way

Ashford

Kent

TN23 4FG



Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	40
Hazardous Substances	42
Geological	43
Industrial Land Use	66
Sensitive Land Use	96
Data Currency	97
Data Suppliers	102
Useful Contacts	103

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 this 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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Report Version v53.0



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	n/a
Contaminated Land Register Entries and Notices	pg 1				1
Discharge Consents	pg 1		3		19
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls	pg 7				2
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 7		1	3	7
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 8			Yes	
Pollution Incidents to Controlled Waters	pg 8		6	7	37
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances	pg 17			5	
River Quality	pg 18				3
River Quality Biology Sampling Points					
Substantiated Pollution Incident Register	pg 19				2
River Quality Chemistry Sampling Points	pg 19				1
Water Abstractions	pg 20				11 (*37)
Water Industry Act Referrals	pg 32				1
Groundwater Vulnerability Map	pg 32	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk	pg 32	1	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 32	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones					
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			11	49



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 40				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 40				2
Local Authority Landfill Coverage	pg 40	1	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 41				2
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 42				1
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 43	Yes	n/a	n/a	n/a
BGS Recorded Mineral Sites	pg 43		9	23	14
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability	pg 50	Yes	n/a	n/a	n/a
Man-Made Mining Cavities	pg 51		8	10	13
Natural Cavities	pg 56		16	17	16
Non Coal Mining Areas of Great Britain	pg 63	Yes	Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 64	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards	pg 64	Yes	Yes	n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 64	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 64	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 64	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



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Industrial Land Use					
Contemporary Trade Directory Entries	pg 66	1	25	46	270
Fuel Station Entries	pg 94		1	4	3
Gas Pipelines					
Underground Electrical Cables					
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 96	1			
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: Limited Potential for Groundwater Flooding to Occur	A13NE (NE)	21	1	470850 173150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NW (N)	36	1	470833 173200
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SW (SW)	85	1	470750 173050
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (NE)	86	1	470900 173200
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13NE (NE)	136	1	470950 173250
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	253	1	471100 173000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (SE)	308	1	471100 172900
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	363	1	470950 172750
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NW (S)	469	1	470750 172650
1	Contaminated Land Register Entries and Notices Location: George Street Allotments, George Street, Reading, Rg1 7nt Notice Type: Remediation Statement - Remediation Work Completed Reference: Not Supplied Dated: 23rd February 2011 Positional Accuracy: Manually positioned to the address or location Boundary Quality: Good	A18SW (NW)	593	2	470531 173688
2	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Vastern Roadreadingvastern Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1779 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Holy Brook Receiving Water: Holy Brook Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	165	3	471000 173002
2	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Bennet Roadreadingbennet Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1767 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: Freshwater Stream/River Environment: Holly Brook Receiving Water: Holly Brook Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	166	3	471000 173001



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Bennet Roadreadingbennet Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1767 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: Freshwater Stream/River Environment: Receiving Water: Holly Brook Status: Temporary Consents (Water Act 1989, Section 113) Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	166	3	471000 173001
3	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Bath Road Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.0019 Permit Version: 1 Effective Date: 15th September 1989 Issued Date: 15th September 1989 Revocation Date: 5th October 2000 Discharge Type: Trade Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: River Kennet Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A12SE (SW)	680	3	470200 172800
4	Discharge Consents Operator: Network Rail Infrastructure Limited Property Type: GROUNDWATER REMEDIATION SITES/CIVIL ENGINEERING Location: Cow Lane Bridge Cow Lane Reading Berkshire Rg1 8na Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Eprhb3597rh Permit Version: 1 Effective Date: 1st June 2018 Issued Date: 10th May 2018 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of River Thames Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A18NW (N)	708	3	470595 173839
5	Discharge Consents Operator: Reading Transport Ltd. Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Great Knolleys Street,Reading,Berkshire,Rg1 7hp Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3307 Permit Version: 1 Effective Date: 6th July 1998 Issued Date: 6th July 1998 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Abattoir Ditch Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A18NW (N)	717	3	470780 173880



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
6	Discharge Consents Operator: Reading Transport Ltd. Property Type: LAND TRANSPORT + VIA PIPELINES/FREIGHT Location: Great Knolleys Street, Reading, Berkshire, RG1 7HP Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CATM.3308 Permit Version: 1 Effective Date: 6th July 1998 Issued Date: 6th July 1998 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: Receiving Water: Abattoir Ditch Status: New Consent, by Application (Water Resources Act 1991, Section 88) Positional Accuracy: Located by supplier to within 10m	A18NE (N)	720	3	470880 173880
7	Discharge Consents Operator: H&G Simmonds Ltd, The Brewery, Reading, Berks Property Type: MAKING OF BEVERAGES/BREWERIES/SOFT DRINKS Location: The Brewery, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctr.0211 Permit Version: 1 Effective Date: 19th December 1955 Issued Date: 19th December 1955 Revocation Date: 12th June 1990 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	736	3	471600 173200
8	Discharge Consents Operator: Jarvis Facilities Ltd. Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Permanent Way Staff Accommodation Block, Cow Lane, Reading. Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.0130 Permit Version: 2 Effective Date: 12th May 2007 Issued Date: 12th May 2007 Revocation Date: 24th May 2010 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Made Groundoverlying Alluvium Status: Revoked (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A18NW (NW)	750	3	470530 173860
8	Discharge Consents Operator: Jarvis Facilities Ltd. Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Permanent Way Staff Accommodation Block, Cow Lane, Reading. Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: CTWC.0130 Permit Version: 1 Effective Date: 10th July 1985 Issued Date: 10th July 1985 Revocation Date: 12th May 2007 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Made Groundoverlying Alluvium Status: Transferred from COPA 1974 Positional Accuracy: Located by supplier to within 100m	A18NW (NW)	750	3	470530 173860



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
9	Discharge Consents Operator: Geoffrey Osbourne Building Ltd Property Type: Undefined Or Other Location: 17/23 King Street, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.3315 Permit Version: 1 Effective Date: 12th June 1989 Issued Date: 12th June 1989 Revocation Date: 27th June 1991 Discharge Type: Unknown Discharge: Freshwater Stream/River Environment: Receiving Water: Holy Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A14NE (E)	754	3	471600 173300
10	Discharge Consents Operator: The Occupier Property Type: Undefined Or Other Location: Storage Yard, 5/9 Berkeley Avenue, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctwc.2914 Permit Version: 1 Effective Date: 1st December 1988 Issued Date: 1st December 1988 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Alluvium Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	772	3	471350 172500
11	Discharge Consents Operator: Thames Water Utilities Ltd Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Reading, Cow Lanereadingcow Lane Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Temp.1771 Permit Version: 1 Effective Date: 2nd November 1989 Issued Date: 2nd November 1989 Revocation Date: 27th January 1997 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Vastern Ditch Status: Authorisation revoked Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	815	3	470300 173800
12	Discharge Consents Operator: Rockfort Homes Ltd Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Housing Development, Rose Kiln Lane, Reading, Berkshire Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctwc.2920 Permit Version: 1 Effective Date: 1st December 1988 Issued Date: 1st December 1988 Revocation Date: 11th February 1992 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Holy Brook Status: Authorisation revoked Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	851	3	471200 172320



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
13	Discharge Consents Operator: Huntley & Palmers Ltd Property Type: Undefined Or Other Location: Factory Premises, Kings Road, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcp.0294 Permit Version: 1 Effective Date: 12th February 1964 Issued Date: 12th February 1964 Revocation Date: 4th February 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A19SE (NE)	915	3	471700 173500
14	Discharge Consents Operator: Huntley & Palmers Ltd Property Type: Undefined Or Other Location: Premises, Kings Rd, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcp.0296 Permit Version: 1 Effective Date: 12th February 1964 Issued Date: 12th February 1964 Revocation Date: 4th February 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	949	3	471800 173300
14	Discharge Consents Operator: Huntley & Palmers Ltd Property Type: Undefined Or Other Location: Premises, Kings Rd, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcp.0295 Permit Version: 1 Effective Date: 12th February 1964 Issued Date: 12th February 1964 Revocation Date: 4th February 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	949	3	471800 173300
14	Discharge Consents Operator: Huntley & Palmers Ltd Property Type: Undefined Or Other Location: Premises, Kings Rd, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcp.0297 Permit Version: 1 Effective Date: 12th February 1964 Issued Date: 12th February 1964 Revocation Date: 4th February 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	949	3	471800 173300



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
14	Discharge Consents Operator: Huntley & Palmers Ltd Property Type: Undefined Or Other Location: Premises, Kings Rd, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcp.0298 Permit Version: 1 Effective Date: 12th February 1964 Issued Date: 12th February 1964 Revocation Date: 4th February 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	949	3	471800 173300
14	Discharge Consents Operator: Huntley & Palmers Ltd Property Type: Undefined Or Other Location: Premises, Kings Rd, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Ctcp.0299 Permit Version: 1 Effective Date: 12th February 1964 Issued Date: 12th February 1964 Revocation Date: 4th February 1986 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: R Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	949	3	471800 173300
14	Discharge Consents Operator: Huntley & Palmers Ltd, King'S Road, Reading, Berks Property Type: Undefined Or Other Location: Factory At Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Supplied Reference: Cctr.0508 Permit Version: 1 Effective Date: 22nd March 1962 Issued Date: 22nd March 1962 Revocation Date: 3rd April 1987 Discharge Type: Trade Discharges - Cooling Water Discharge: Freshwater Stream/River Environment: Receiving Water: Kennet Status: Authorisation revoked Positional Accuracy: Manually corrected supplier location	A14NE (E)	949	3	471800 173300
15	Discharge Consents Operator: Reading Concrete Products Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE Location: R. C. Products, Rose Kiln Lane, Reading, Berks Authority: Environment Agency, Thames Region Catchment Area: Not Given Reference: Ctwc.1165 Permit Version: 1 Effective Date: 1st September 1986 Issued Date: 1st September 1986 Revocation Date: 1st October 1996 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land Environment: Receiving Water: Alluvium Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	981	3	471250 172200
16	Prosecutions Relating to Controlled Waters Location: Holy Brook, Broad Street, READING, RG1 Prosecution Text: Allowing diesel to enter a water drainage system Prosecution Act: Wra91 S85(1) Hearing Date: 4th May 2006 Verdict: Guilty Fine: 12000 Cost: 2032 Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	686	3	471514 173350



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Integrated Pollution Controls Name: Oxkem Ltd Location: 1 LOVEROCK ROAD, READING, BERKSHIRE, RG30 1DZ Authority: Environment Agency, Thames Region Permit Reference: BD6441 Dated: 24th November 1998 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (I) Inorganic Chemical processes within the Chemical Industry Status: Revoked - Now IPPC Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	929	3	470193 173859
17	Integrated Pollution Controls Name: Oxkem Ltd Location: 1 LOVEROCK ROAD, READING, BERKSHIRE, RG30 1DZ Authority: Environment Agency, Thames Region Permit Reference: AW0784 Dated: 9th August 1996 Process Type: IPC minor (non-substantial) variation to previous variation Description: 4.5 A (I) Inorganic Chemical processes within the Chemical Industry Status: Authorisation superseded by a substantial or non substantial variation Positional Accuracy: Manually positioned to the address or location	A17NE (NW)	929	3	470193 173859
18	Local Authority Pollution Prevention and Controls Name: Tilehurst Connect Service Station Location: Tilehurst Road, READING, Berkshire, RG1 Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/32/98/P2 Dated: 24th August 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A13SW (SW)	174	2	470664 173011
19	Local Authority Pollution Prevention and Controls Name: Hobbs Of Reading Location: 102 Oxford Road, Reading, Rg1 7ll Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/DC9/P1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Application Not Yet Authorised Positional Accuracy: Manually positioned to the address or location	A13NE (N)	271	2	470944 173401
20	Local Authority Pollution Prevention and Controls Name: Oxford Road Service StationTexaco Location: 150 Oxford Road, READING, Berkshire, RG1 7PJ Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/39/98/P1 Dated: 9th November 1999 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A12NE (NW)	451	2	470465 173455
21	Local Authority Pollution Prevention and Controls Name: Berkeley Service Station Location: 10 Berkley Avenue, READING, Berkshire, RG1 6JT Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/34/98/P2 Dated: 1st September 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8NE (S)	483	2	470970 172632
22	Local Authority Pollution Prevention and Controls Name: Save Service Station (Reading) Location: Berkeley Avenue, Reading, Berkshire, RG1 6JE Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PAR.B/46/98 Dated: 24th August 1999 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Authorised Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	587	2	471113 172570



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Local Authority Pollution Prevention and Controls Name: Sketchley Dry Cleaners Location: 41 Market Place, Reading, Rg1 2de Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PA.R.B/DC16/P1 Dated: Not Supplied Process Type: Local Authority Air Pollution Control Description: PG6/46 Dry cleaning Status: Application Not Yet Authorised Positional Accuracy: Manually positioned to the address or location	A14NE (E)	860	2	471662 173451
24	Local Authority Pollution Prevention and Controls Name: Maff Location: Government Buildings, Coley Park, READING, Berkshire, RG1 6DT Authority: Reading Borough Council, Environmental Health Department Permit Reference: Epa/Par.B/2/91 Dated: 14th April 1993 Process Type: Local Authority Air Pollution Control Description: PG5/3 Animal carcase incineration processes under 1 tonne an hour Status: Authorisation revoked Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	877	2	470452 172313
25	Local Authority Pollution Prevention and Controls Name: Sprayworks Ltd Location: Unit 5 151-155 Cardiff Road, Reading, RG1 8ES Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PA.R.B/47/99/P2 Dated: Not Supplied Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Application Refused Or Cancelled Positional Accuracy: Manually positioned to the address or location	A18NW (N)	913	2	470714 174072
26	Local Authority Pollution Prevention and Controls Name: Bobbys 2hr Dry Cleaning Location: 296 Oxford Road, Reading, Rg30 1ad Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PA.R.B/DC3/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	A17SW (NW)	926	2	469965 173544
27	Local Authority Pollution Prevention and Controls Name: Rivermead Accident Repair Centre Ltd Location: 64 Cardiff Road, READING, Berkshire, RG1 8LL Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PA.R.B/50/00/P1 Dated: 22nd August 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location	A18NW (N)	946	2	470796 174110
28	Local Authority Pollution Prevention and Controls Name: Unimet Enamellers Ltd Location: 183-185 Cardiff Road, READING, Berkshire, RG1 8HD Authority: Reading Borough Council, Environmental Health Department Permit Reference: EPA/PA.R.B/3/91/P1 Dated: 20th January 1993 Process Type: Local Authority Pollution Prevention and Control Description: PG6/23 Coating of metal and plastic Status: Authorisation certificate surrendered by operator Positional Accuracy: Automatically positioned to the address	A18NW (N)	985	2	470511 174103
	Nearest Surface Water Feature	A14SW (E)	398	-	471262 173037
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed incident Incident Date: 4th April 1999 Incident Reference: THWE1999042768 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	A13SE (SE)	164	3	471000 173005



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: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 29th June 1993 Incident Reference: WE930212 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	A13SE (SE)	167	3	471000 173000
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Not Supplied Incident Date: 9th June 1997 Incident Reference: THWE1997029353 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	A13SE (SE)	168	3	471005 173005
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Urban Runoff Note: Confirmed As A Pollution Incident Incident Date: 26th September 1995 Incident Reference: WE950387 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	A13SE (SE)	170	3	471000 172995
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Tilehurst, READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 30th March 1996 Incident Reference: WE960084 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	A13SE (SE)	171	3	471005 173000
29	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 30th October 1996 Incident Reference: WE960375 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	A13SE (SE)	174	3	471005 172995
30	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 29th June 1997 Incident Reference: THWE1997029441 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	A13SE (E)	318	3	471170 173000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
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: 10th January 1989 Incident Reference: WE890007 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 (SE)	388	3	471200 172900
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: 23rd September 1994 Incident Reference: WE940336 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 (SE)	391	3	471200 172895
31	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: 8th August 1995 Incident Reference: WE950327 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 (SE)	417	3	471200 172850
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: 1st September 1995 Incident Reference: WE950350 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 (SE)	420	3	471200 172845
32	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: 23rd December 1994 Incident Reference: WE940436 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 (SE)	449	3	471200 172800
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: 16th October 1995 Incident Reference: WE950400 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	A9NW (SE)	452	3	471200 172795



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	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: 2nd December 1994 Incident Reference: WE940424 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)	530	3	471400 173100
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: 22nd November 1991 Incident Reference: WE910648 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	A14NW (E)	538	3	471400 173200
35	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Confirmed incident Incident Date: 16th April 1999 Incident Reference: THWE1999042637 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	A14SW (E)	540	3	471400 173000
36	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Duke Street, READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 17th December 1991 Incident Reference: WE910690 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)	611	3	471480 173130
36	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: 30th November 1993 Incident Reference: WE930397 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)	630	3	471500 173100
36	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 October 1992 Incident Reference: WE920594 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)	650	3	471520 173100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
37	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 22nd July 1997 Incident Reference: THWE1997029089 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	A14NW (E)	637	3	471500 173200
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: 23rd November 1994 Incident Reference: WE940411 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	A14NE (E)	686	3	471550 173195
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: 4th November 1994 Incident Reference: WE940380 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	A14NE (E)	687	3	471550 173200
38	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: General Note: Not Supplied Incident Date: 16th July 1998 Incident Reference: THWE1998039887 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	A14NW (E)	645	3	471500 173250
39	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: 11th September 1995 Incident Reference: WE950365 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	A9NW (SE)	663	3	471300 172600
39	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 6th March 1996 Incident Reference: WE960052 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	A9NW (SE)	667	3	471300 172595



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: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 10th November 1990 Incident Reference: WE900632 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	A9NW (SE)	667	3	471400 172700
41	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 November 1993 Incident Reference: WE930337 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)	716	3	471000 172400
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: 8th November 1993 Incident Reference: WE930375 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)	730	3	471600 173100
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 December 1993 Incident Reference: WE930413 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	A14NE (E)	754	3	471600 173300
44	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: 4th May 1995 Incident Reference: WE950187 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	A9NW (SE)	804	3	471400 172500
44	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: 30th June 1994 Incident Reference: WE940228 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	A9NW (SE)	831	3	471440 172500



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	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: 20th April 1992 Incident Reference: WE920233 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)	829	3	471300 172395
46	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Coley Park, READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Unknown Note: Not Supplied Incident Date: 1st February 1989 Incident Reference: WE890106 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)	836	3	471100 172300
47	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: 20th February 1989 Incident Reference: WE890083 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	A14NE (E)	851	3	471700 173300
47	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 December 1994 Incident Reference: WE940420 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	A14NE (E)	900	3	471750 173300
48	Pollution Incidents to Controlled Waters Property Type: Not Given Location: HIGH WYCOMBE Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Confirmed As A Pollution Incident Incident Date: 11th May 1995 Incident Reference: WE950188 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)	857	3	471000 174000
49	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 April 1993 Incident Reference: WE930142 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	A19SW (NE)	863	3	471400 173800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	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 May 1994 Incident Reference: WE940144 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	A14NE (E)	876	3	471700 173395
50	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Duke Street, READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Urban Runoff Note: Confirmed As A Pollution Incident Incident Date: 15th February 1989 Incident Reference: WE890092 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	A14NE (E)	878	3	471700 173400
50	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: General Note: Not Supplied Incident Date: 21st January 1998 Incident Reference: 37294 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	A14NE (E)	881	3	471705 173395
51	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: 12th May 1991 Incident Reference: WE910249 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)	894	3	471350 172350
52	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: 6th August 1994 Incident Reference: WE940287 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)	912	3	471300 172300
53	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 3rd June 1997 Incident Reference: THWE1997029431 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)	919	3	470001 173601



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Oils - Unknown Note: Not Supplied Incident Date: 5th August 1996 Incident Reference: WE960275 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)	945	3	471500 172400
55	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Storm Sewage Note: Not Supplied Incident Date: 17th January 1997 Incident Reference: THWE1997031344 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	A14NE (E)	948	3	471800 173295
55	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: 2nd October 1992 Incident Reference: WE920562 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	A14NE (E)	949	3	471800 173300
56	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Miscellaneous - Other Note: Not Supplied Incident Date: 13th March 1996 Incident Reference: WE960107 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	A17NE (NW)	952	3	470200 173895
56	Pollution Incidents to Controlled Waters Property Type: Not Given Location: READING Authority: Environment Agency, Thames Region Pollutant: Chemicals - Unknown Note: Confirmed As A Pollution Incident Incident Date: 17th April 1993 Incident Reference: WE930124 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	A17NE (NW)	956	3	470200 173900
57	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: 19th May 1994 Incident Reference: WE940164 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	A14NE (E)	972	3	471800 173395



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
57	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: 2nd April 1991 Incident Reference: WE910175 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	A14NE (E)	973	3	471800 173400
58	Registered Radioactive Substances Name: Classic Hospitals Ltd Location: Dunedin Hospital, Bath Road, Reading, RG1 6NQ Authority: Environment Agency, Thames Region Permit Reference: CB6194 Dated: 19th September 2007 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 either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A12SE (SW)	431	3	470478 172832
58	Registered Radioactive Substances Name: Classic Hospitals Ltd Location: Dunedin Hospital, Bath Road, READING, RG1 6NQ Authority: Environment Agency, Thames Region Permit Reference: Bz4241 Dated: 10th August 2005 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 variation Positional Accuracy: Automatically positioned to the address	A12SE (SW)	431	3	470478 172832
58	Registered Radioactive Substances Name: Classic Hospitals Ltd Location: Dunedin Hospital, Bath Road, READING, RG1 6NQ Authority: Environment Agency, Thames Region Permit Reference: Bz4250 Dated: 10th August 2005 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A12SE (SW)	431	3	470478 172832
58	Registered Radioactive Substances Name: British United Provident Association Ltd Location: Dunedin Hospital, Bath Road, Reading, Berkshire, RG1 6NQ Authority: Environment Agency, Thames Region Permit Reference: Bu1873 Dated: 11th March 2003 Process Type: Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Description: Authorisation under RSA Status: Authorisation either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A12SE (SW)	431	3	470478 172832
58	Registered Radioactive Substances Name: British United Provident Association Ltd Location: Dunedin Hospital, Bath Road, Reading, Berkshire, RG1 6NQ Authority: Environment Agency, Thames Region Permit Reference: Bu1890 Dated: 11th March 2003 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 either revoked or cancelled Positional Accuracy: Automatically positioned to the address	A12SE (SW)	431	3	470478 172832



Agency & Hydrological

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A9NW (SE)	626	3	471404 172780
	River Quality Name: Kennet GQA Grade: River Quality A Reach: Foudry Bk - Holy Bk Estimated Distance (km): 2.8 Flow Rate: Flow less than 20 cumecs Flow Type: River Year: 2000	A9SW (SE)	846	3	471405 172449
	River Quality Name: Holy Bk GQA Grade: River Quality B Reach: Kennet - Kennet Estimated Distance (km): 9.3 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A9SW (SE)	849	3	471399 172440



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
59	River Quality Chemistry Sampling Points Name: Kennet Reach: Foudry Brook To Holy Brook Estimated Distance: 2.80 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 B - 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 A - Very 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 B - 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 B - 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	A14SW (SE)	566	3	471351 172807
60	Substantiated Pollution Incident Register Authority: Environment Agency - Thames Region, South East Area Incident Date: 23rd July 2007 Incident Reference: 516354 Water Impact: Category 3 - Minor Incident Air Impact: Category 4 - No Impact Land Impact: Category 2 - Significant Incident Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Unknown	A18SW (N)	647	3	470653 173792
61	Substantiated Pollution Incident Register Authority: Environment Agency - Thames Region, South East Area Incident Date: 28th June 2005 Incident Reference: 324802 Water Impact: Category 2 - Significant Incident Air Impact: Category 4 - No Impact Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils - Diesel (Including Agricultural)	A14NE (E)	987	3	471812 173408



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
62	Water Abstractions Operator: Primark Stores Limited Licence Number: 28/39/23/0042 Permit Version: 101 Location: Cheapside, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Retail: Drinking, Cooking, Sanitary, Washing, (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 41 Yearly Rate (m3): 14933 Details: Cheapside, 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	A19SW (NE)	505	3	471200 173500
63	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	A14NE (E)	722	3	471590 173150
64	Water Abstractions Operator: Birse Construction Ltd Licence Number: 28/39/22/0552 Permit Version: Not Supplied Location: Coley, READING Authority: Environment Agency, Thames Region Abstraction: Industrial Processing (Miscellaneous) Abstraction Type: Not Supplied Source: River Daily Rate (m3): 3 Yearly Rate (m3): 318 Details: 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	A9SW (SE)	825	3	471300 172400
65	Water Abstractions Operator: Hillier Group Of Companies Licence Number: 28/39/23/0128 Permit Version: 100 Location: Cardiff Road, Reading Point B Authority: Environment Agency, Thames Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Cardiff Road, 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 10m	A18NW (N)	862	3	470600 174000



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	Water Abstractions Operator: Manrose Manufacturing Ltd Licence Number: 28/39/23/0167 Permit Version: 101 Location: Meadow Road, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: 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: Meadow Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	941	3	470900 174100
66	Water Abstractions Operator: Manrose Manufacturing Ltd Licence Number: 28/39/23/0167 Permit Version: 101 Location: Meadow Road, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Meadow Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 30th June 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	941	3	470900 174100
66	Water Abstractions Operator: Manrose Manufacturing Ltd Licence Number: 28/39/23/0167 Permit Version: 100 Location: Meadow Road, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 4546 Details: Meadow Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A18NE (N)	941	3	470900 174100
66	Water Abstractions Operator: Manrose Manufacturing Ltd Licence Number: 28/39/23/0167 Permit Version: 100 Location: Meadow Road, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Meadow Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th February 1997 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	941	3	470900 174100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
66	Water Abstractions Operator: Cox & Wyman Ltd Licence Number: 28/39/23/0041 Permit Version: 100 Location: Cardiff Road, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 82 Yearly Rate (m3): 20366 Details: At Cardiff Road, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th July 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	941	3	470900 174100
66	Water Abstractions Operator: Cox & Wyman Ltd Licence Number: 28/39/23/0041 Permit Version: 100 Location: Cardiff Road, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Commercial Private Water Undertaking: 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: At Cardiff Road Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th July 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A18NE (N)	941	3	470900 174100
67	Water Abstractions Operator: Network Rail Infrastructure Limited Licence Number: Th/039/0023/032 Permit Version: 1 Location: Berkshire Downs Chalk At Cow Lane, Reading, Berkshire Authority: Environment Agency, Thames Region Abstraction: Other Industrial/Commercial/Public Services: Transfer Between Sources Abstraction Type: Water may be abstracted from any point within an area Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 28 January Authorised End: 30 June Permit Start Date: 28th January 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A17NE (NW)	958	3	470359 174009
	Water Abstractions Operator: Hillier Group Of Companies Licence Number: 28/39/23/0128 Permit Version: 100 Location: Cardiff Road, Reading Point A Authority: Environment Agency, Thames Region Abstraction: Metal: Process Water Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 27 Yearly Rate (m3): 6682 Details: Cardiff Road, 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	A17NE (NW)	1022	3	470400 174100



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: British Road Services Ltd Licence Number: 28/39/23/0024 Permit Version: Not Supplied Location: Cardiff Road, READING Authority: Environment Agency, Thames Region Abstraction: Vehicle Washing Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 14 Yearly Rate (m3): Not Supplied Details: River Gravel; Licence 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	A23SW (N)	1057	3	470600 174200
	Water Abstractions Operator: West Berkshire Health Authority Licence Number: 28/39/23/0181 Permit Version: 100 Location: Battle Hospital, Oxford Road, Reading 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): 400 Yearly Rate (m3): 136875 Details: Battle Hospital Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 7th January 1999 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NE (NW)	1249	3	469800 173900
	Water Abstractions Operator: Mr D A Drayton Licence Number: 28/39/23/0070 Permit Version: 100 Location: Little John'S Farm, Reading (E) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Little John'S Farm, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SW (NW)	1339	3	470100 174300
	Water Abstractions Operator: Reading Borough Council Licence Number: 28/39/23/0199/Tr Permit Version: 1 Location: River Thames - Christchurch Meadows Authority: Environment Agency, Thames Region Abstraction: Environmental: Non-remedial River/Wetland Support: 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: Christchurch Meadows, Caversham Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 10th September 2008 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1431	3	471440 174450



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Reading Borough Council Licence Number: 28/39/23/0196 Permit Version: 1 Location: Thames At Christchurch Meadow Authority: Environment Agency, Thames Region Abstraction: Environmental: Non-remedial River/Wetland Support: Lake & 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: At Christchurch Meadows Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2006 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A24SW (NE)	1431	3	471440 174450
	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	A15SE (E)	1560	3	472400 172800
	Water Abstractions Operator: Mr D A Drayton Licence Number: 28/39/23/0070 Permit Version: 100 Location: Little John'S Farm, Reading (D) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Little John'S Farm, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22NW (NW)	1602	3	470100 174600
	Water Abstractions Operator: The Reading Sustainability Centre Cic Licence Number: Th/039/0023/022 Permit Version: 2 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 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A25SW (NE)	1607	3	472072 174185



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A25SW (NE)	1607	3	472072 174185
	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	A25SW (NE)	1644	3	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	A25SW (NE)	1644	3	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	A25SW (NE)	1644	3	471900 174400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr D A Drayton Licence Number: 28/39/23/0070 Permit Version: 100 Location: Little John'S Farm, Reading (B) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 27 Yearly Rate (m3): 9819 Details: Little John'S Farm, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1661	3	469700 174400
	Water Abstractions Operator: Mr D A Drayton Licence Number: 28/39/23/0070 Permit Version: 100 Location: Little John'S Farm, Reading (C) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Little John'S Farm, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1661	3	469700 174400
	Water Abstractions Operator: Mr D A Drayton Licence Number: 28/39/23/0070 Permit Version: 100 Location: Little John'S Farm, Reading (A) Authority: Environment Agency, Thames Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Little John'S Farm, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th January 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A21SE (NW)	1670	3	469500 174200
	Water Abstractions Operator: Network Rail Infrastr Ltd Licence Number: 28/39/22/0266 Permit Version: 101 Location: Railtrack Property, Southcote, Reading Authority: Environment Agency, Thames Region Abstraction: Transport: 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: Southcote, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd February 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1SE (SW)	1858	3	469600 171700



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Railtrack Gw Licence Number: 28/39/22/0266 Permit Version: 100 Location: Railtrack Property, Southcote, Reading Authority: Environment Agency, Thames Region Abstraction: Transport: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 909 Yearly Rate (m3): 250030 Details: Southcote, Reading Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 12th December 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A1SE (SW)	1858	3	469600 171700
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh C' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1884	3	470680 171230
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'C' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1884	3	470680 171230
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh G' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1892	3	470610 171230



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'G' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1892	3	470610 171230
	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	(E)	1894	3	472700 173600
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'A' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 30000 Yearly Rate (m3): 1500000 Details: Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Chalk (Undifferentiate) Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1904	3	470850 171200
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'B' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1907	3	470770 171200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh A' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1924	3	470840 171180
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh B' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1927	3	470770 171180
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh D' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1947	3	470970 171160
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'D' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1947	3	470970 171160



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh F' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1963	3	470380 171200
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'F' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1963	3	470380 171200
	Water Abstractions Operator: Wyncote Developments Plc Licence Number: 28/39/22/0555 Permit Version: Not Supplied Location: Rose Kiln Lane, READING, Berkshire Authority: Environment Agency, Thames Region Abstraction: General Industrial Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 864 Yearly Rate (m3): 315360 Details: Chalk (Undifferentiated) 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	(S)	1977	3	471400 171200
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh E' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1982	3	470300 171200



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'E' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1982	3	470300 171200
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0435 Permit Version: 100 Location: Kennet And Avon Canal At Fobney Waterworks Intake Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): 72736 Yearly Rate (m3): 26621376 Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 5th April 1977 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(S)	1982	3	470300 171200
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 101 Location: Fobney Pumping Station 'Bh H' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st January 2013 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1985	3	470660 171130
	Water Abstractions Operator: Thames Water Utilities Ltd Licence Number: 28/39/22/0132 Permit Version: 100 Location: Fobney Pumping Station Bh 'H' Authority: Environment Agency, Thames Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th June 1998 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	(S)	1985	3	470660 171130



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Water Industry Act Referrals Name: Quick Circuits Ltd Location: QUICK CIRCUITS LTD, 1 LOVEROCK ROAD, 1 LOVEROCK ROAD, READING, BERKSHIRE, RG3 1DZ Authority: Environment Agency, Thames Region Permit Reference: AE2269 Dated: 19th February 1992 Process Type: Permissions or amendments to discharge under the Water Industry Act 1991 Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations Status: Application has been authorised and any conditions apply to the operator Positional Accuracy: Automatically positioned to the address	A17NE (NW)	930	3	470185 173854
	Groundwater Vulnerability Map Combined Classification: Secondary Bedrock Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer Pollutant Speed: High Bedrock Flow: Well Connected Fractures Dilution: <300 mm/year Baseflow Index: >70% Superficial Patchiness: <90% Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (W)	0	4	470833 173129
	Groundwater Vulnerability - Soluble Rock Risk Classification: Very Significant Risk - High Possibility	A13SW (W)	0	4	470833 173129
	Bedrock Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (W)	0	4	470833 173129
	Superficial Aquifer Designations No Data Available				
	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				
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 97.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	401	5	471263 173027
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	402	5	471264 173028
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	402	5	471268 173043



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	406	5	471272 173054
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A14SW (E)	406	5	471272 173054
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 155.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A14SW (E)	410	5	471276 173054
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (SE)	415	5	471248 172933
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	436	5	471305 173106
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 465.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (SE)	438	5	471231 172857
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	441	5	471311 173114
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14SW (E)	457	5	471326 173133
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 545.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A14SW (E)	536	5	471372 172916



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 52.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A14SW (E)	543	5	471389 172945
82	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 12.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 2	A14SW (E)	544	5	471389 172942
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 137.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A14SW (E)	556	5	471401 172939
84	OS Water Network Lines Watercourse Form: Canal Watercourse Length: 58.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 2	A14SW (E)	556	5	471401 172939
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A14SW (E)	556	5	471413 172987
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 210.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A14SW (E)	568	5	471427 172994
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NW (E)	584	5	471441 173234
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 19.2 Watercourse Level: Underground Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NW (E)	593	5	471449 173240
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NW (E)	611	5	471465 173251



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: Underground Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NW (E)	614	5	471468 173253
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 28.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NW (E)	635	5	471486 173266
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 152.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A14SW (E)	637	5	471501 173014
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	642	5	470519 173736
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (NW)	648	5	470551 173758
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18SW (N)	660	5	470609 173792
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NW (E)	661	5	471509 173283
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	666	5	471513 173286
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	679	5	471524 173294



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 246.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	697	5	470754 173859
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	699	5	470743 173860
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 514.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A14NE (E)	700	5	471569 173137
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 216.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	708	5	470596 173840
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 82.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NW (N)	721	5	470646 173866
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 961.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A18NE (N)	759	5	470984 173903
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	807	5	470443 173883
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A9SW (SE)	831	5	471338 172418
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	831	5	471338 172418



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A9SW (SE)	832	5	471333 172413
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	832	5	471333 172413
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A9SW (SE)	835	5	471323 172402
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 119.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A9SW (SE)	836	5	471321 172401
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	844	5	471355 172414
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	845	5	471357 172414
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A9SW (SE)	852	5	471227 172331
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1047.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A9SW (SE)	853	5	471224 172329
116	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	856	5	471389 172423



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	858	5	471694 173355
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	867	5	471412 172428
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	867	5	470377 173915
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 2	A9SW (SE)	869	5	471418 172429
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 712.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Kennet Catchment Name: Thames Primacy: 1	A9SW (SE)	876	5	471436 172436
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 87.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	884	5	471716 173370
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A17NE (NW)	906	5	470320 173927
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SE (S)	944	5	471046 172177
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 358.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Thames Primacy: 1	A8SE (S)	946	5	471043 172175



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	971	5	471797 173401
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 21.1 Watercourse Level: Underground Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	973	5	471800 173402
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Holy Brook Catchment Name: Thames Primacy: 1	A14NE (E)	994	5	471819 173410



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
129	Historical Landfill Sites Licence Holder: Not Supplied Location: Reading, Berkshire Name: Cow Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD13278 First Input Date: 31st December 1950 Last Input Date: 31st December 1959 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 0345/0170 BGS Ref: Not Supplied Other Ref: TP0340, RDG4	A17NE (NW)	877	3	470292 173872
130	Licensed Waste Management Facilities (Locations) Licence Number: 86001 Location: 54 Gower Street, Reading, Berkshire, RG1 7PE Operator Name: E G W Carter Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Surrendered Issued: 19th March 1996 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 23rd July 1999 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	598	3	470400 173600
131	Licensed Waste Management Facilities (Locations) Licence Number: 86002 Location: 3 Loverock Road, Battle Farm Indus Est, Reading, Berkshire, RG3 1NL Operator Name: Parsons Metal Recycling Limited Operator Location: Not Supplied Authority: Environment Agency - South East Region, West Thames Area Site Category: Metal Recycling Sites (Mixed) Licence Status: Surrendered Issued: 6th April 1993 Last Modified: 27th August 2014 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 8th March 2016 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	881	3	470200 173800
	Local Authority Landfill Coverage Name: Reading Unitary Council - Has supplied landfill data		0	6	470833 173129



Order Number: 215990678 1 1 Date: 28-Aug-2019 rpr_ec_datasheet v53.0 A Landmark Information Group Service Page 41 of 103



Hazardous Substances

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
134	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Calor Gas Ltd. Location: Reading Calor Centre, Cow Lane, Reading, Berkshire, RG1 8HE Status: Not Active Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	952	7	470362 174004

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Lambeth Group	A13SW (W)	0	1	470833 173129
	BGS 1:625,000 Solid Geology Description: White Chalk Subgroup	A13NE (N)	0	1	470838 173151
135	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220904 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	159	1	470938 172960
136	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220905 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	171	1	471002 172996
136	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220924 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	178	1	470991 172974
136	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220906 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	193	1	471023 172986
137	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220907 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	219	1	471021 172946

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220901 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	227	1	470964 172898
138	BGS Recorded Mineral Sites Site Name: Neuk & Bramley Chalk Mine Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220903 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	234	1	470981 172898
138	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220925 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	242	1	470968 172883
139	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220909 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	248	1	471076 172966
140	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220908 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	271	1	471017 172877
141	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220910 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	283	1	471079 172914

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
141	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220911 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	308	1	471067 172868
142	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220303 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	298	1	470978 172827
142	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220899 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (S)	316	1	470946 172797
142	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220900 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (S)	319	1	470959 172798
143	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220926 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	307	1	471002 172827
143	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220902 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	321	1	471021 172821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
143	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220922 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	337	1	471010 172798
143	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220921 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	340	1	471030 172804
143	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220913 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	354	1	471066 172810
143	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220920 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	359	1	471033 172784
144	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220912 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	333	1	471070 172838
144	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220914 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	373	1	471074 172792

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
145	BGS Recorded Mineral Sites Site Name: Coley Gravel Pit Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234917 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Lynch Hill Gravel Member Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NE (S)	366	1	470915 172741
146	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220919 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	372	1	471018 172763
146	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220917 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	403	1	471031 172735
146	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220916 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	414	1	471053 172733
147	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220923 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (S)	380	1	470985 172742
147	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220918 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (S)	391	1	470992 172733

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
147	BGS Recorded Mineral Sites Site Name: Coley Gravel Pit Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234918 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Lynch Hill Gravel Member Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NE (S)	397	1	470957 172717
148	BGS Recorded Mineral Sites Site Name: Reading Chalk Mine Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 220915 Type: Underground Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Seaford Chalk Formation Commodity: Chalk Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	439	1	471077 172717
148	BGS Recorded Mineral Sites Site Name: Coley Pottery Location: The Mount, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36344 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NE (SE)	459	1	471044 172680
149	BGS Recorded Mineral Sites Site Name: Avenue Works Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36339 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8NW (S)	602	1	470815 172505
150	BGS Recorded Mineral Sites Site Name: Coley Park Gravel Pit Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234919 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Lynch Hill Gravel Member Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A8NW (SW)	644	1	470502 172547
151	BGS Recorded Mineral Sites Site Name: Avenue Works Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234914 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	668	1	470881 172436

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
152	BGS Recorded Mineral Sites Site Name: Coley Kilns Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234915 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	679	1	471058 172452
153	BGS Recorded Mineral Sites Site Name: Coley Kilns Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36340 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	766	1	471060 172362
153	BGS Recorded Mineral Sites Site Name: Coley Kilns Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234916 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	803	1	471046 172321
154	BGS Recorded Mineral Sites Site Name: Coley Kilns Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36341 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeogene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A8SE (S)	781	1	470975 172330
155	BGS Recorded Mineral Sites Site Name: Katesgrove Kilns Location: The Mount, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36343 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	845	1	471540 172590
156	BGS Recorded Mineral Sites Site Name: Battle Farm Gravel Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36370 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Taplow Gravel Formation (Taplow Terrace) Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A17SE (NW)	878	1	470178 173774

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
157	BGS Recorded Mineral Sites Site Name: Coley Park Gravel Pit Location: Coley, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234920 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Wolstonian Geology: Lynch Hill Gravel Member Commodity: Gravel Positional Accuracy: Located by supplier to within 10m	A7SE (SW)	886	1	470394 172331
158	BGS Recorded Mineral Sites Site Name: Katesgrove Kilns Location: The Mount, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234923 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9NE (SE)	914	1	471551 172495
159	BGS Recorded Mineral Sites Site Name: Tilehurst Road Sand Pit Location: Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 244358 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Sand Positional Accuracy: Located by supplier to within 10m	A12SW (W)	938	1	469864 173084
160	BGS Recorded Mineral Sites Site Name: Katesgrove Kilns Location: The Mount, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 234924 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Tertiary Geology: Lambeth Group Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	966	1	471549 172417
161	BGS Recorded Mineral Sites Site Name: Coley Park Gravel Pit Location: Southcote, Reading, Berkshire Source: British Geological Survey, National Geoscience Information Service Reference: 36383 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Lynch Hill Gravel Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A7SW (SW)	985	1	470134 172393
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Mining Instability Mining Evidence: Conclusive Rock Mining Source: Ove Arup & Partners Boundary Quality: As Supplied	A13SW (W)	0	-	470833 173129



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 470940 Northing: 173050 Distance: 89 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: 3 Possible Mine Workings/Ground Anomalies Ground Anomalies Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A13SE (SE)	89	8	470940 173050
	Man-Made Mining Cavities Easting: 470950 Northing: 173050 Distance: 97 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: 5 Possible Mine Workings/Ground Anomalies Ground Anomalies Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A13SE (SE)	97	8	470950 173050
	Man-Made Mining Cavities Easting: 470950 Northing: 173040 Distance: 103 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: 3 Possible Mine Workings/Ground Anomalies Ground Anomalies Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A13SE (SE)	103	8	470950 173040
	Man-Made Mining Cavities Easting: 470960 Northing: 173040 Distance: 111 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Shaft Entry Mine Workings/Ground Anomalies Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A13SE (SE)	111	8	470960 173040
	Man-Made Mining Cavities Easting: 470930 Northing: 172950 Distance: 165 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: MINE GALLERY (EXTENT UNKNOWN) GROUND ANOMALIES Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SE (SE)	165	8	470930 172950
	Man-Made Mining Cavities Easting: 471000 Northing: 172950 Distance: 202 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Multiple Small-Scale Shaft Entry Pillar and Stall Workings Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SE (SE)	202	8	471000 172950



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 471050 Northing: 172950 Distance: 237 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: 6x Possible Mine Workings/Ground Anomalies Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A13SE (SE)	237	8	471050 172950
	Man-Made Mining Cavities Easting: 471000 Northing: 172900 Distance: 242 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Multiple Small-Scale Shaft Entry Pillar and Stall Workings Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SE (SE)	242	8	471000 172900
	Man-Made Mining Cavities Easting: 470540 Northing: 173050 Distance: 270 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: W Cavity Type: Old Gravel Pit Pre 1883 But Deepened Possibly for Clay Extraction for Brick Making with Associated Chalk Mine Workings Commodity: Chalk Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravels Detail:	A13SW (W)	270	8	470540 173050
	Man-Made Mining Cavities Easting: 471050 Northing: 172900 Distance: 272 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Pillar and Stall Chalk Mine (Extent Unknown) Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A13SE (SE)	272	8	471050 172900
	Man-Made Mining Cavities Easting: 470970 Northing: 172830 Distance: 292 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: CHALK MINE TUNNEL Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SE (SE)	292	8	470970 172830
	Man-Made Mining Cavities Easting: 470950 Northing: 172800 Distance: 315 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: S Cavity Type: PROBABLE BELLPIT CHALK MINE Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SE (S)	315	8	470950 172800



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 470500 Northing: 173000 Distance: 324 Quadrant Reference: A13 Quadrant Reference: SW Bearing Ref: W Cavity Type: Voids Encountered During Piling Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SW (W)	324	8	470500 173000
	Man-Made Mining Cavities Easting: 471000 Northing: 172800 Distance: 331 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Adit and Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A13SE (SE)	331	8	471000 172800
	Man-Made Mining Cavities Easting: 470980 Northing: 172740 Distance: 380 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: S Cavity Type: Series Of Small Scale Chalk Mine Tunnels Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A8NE (S)	380	8	470980 172740
	Man-Made Mining Cavities Easting: 471030 Northing: 172720 Distance: 416 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Small Scale Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A8NE (SE)	416	8	471030 172720
	Man-Made Mining Cavities Easting: 470350 Northing: 173020 Distance: 462 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: W Cavity Type: Pillar and Stall Chalk workings-Extent Unknown Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A12SE (W)	462	8	470350 173020
	Man-Made Mining Cavities Easting: 471100 Northing: 172700 Distance: 465 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Historical Pottery Works-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A8NE (SE)	465	8	471100 172700

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 470300 Northing: 173200 Distance: 509 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Pillar and Stall Chalk workings-Extent Unknown Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A12NE (W)	509	8	470300 173200
	Man-Made Mining Cavities Easting: 470170 Northing: 172980 Distance: 646 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: W Cavity Type: Old Clay Pit Pre 1877, Possible Old Brick Works, Might be Associated with Railway, Potential for Old Chalk Mine Workings Commodity: Chalk Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravels Detail:	A12SE (W)	646	8	470170 172980
	Man-Made Mining Cavities Easting: 470750 Northing: 172450 Distance: 665 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: Historical Brick and Tile Works/Extensive Clay Excavations-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Worked Ground Detail:	A8SW (S)	665	8	470750 172450
	Man-Made Mining Cavities Easting: 471000 Northing: 172400 Distance: 716 Quadrant Reference: A8 Quadrant Reference: SE Bearing Ref: S Cavity Type: Historical Brick & Tile Works/Extensive Clay Excavations-Possible References to Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Worked Ground Detail:	A8SE (S)	716	8	471000 172400
	Man-Made Mining Cavities Easting: 470700 Northing: 172350 Distance: 773 Quadrant Reference: A8 Quadrant Reference: SW Bearing Ref: S Cavity Type: Historical Brickfield-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Lynch Hill Gravels Detail:	A8SW (S)	773	8	470700 172350
	Man-Made Mining Cavities Easting: 471500 Northing: 172650 Distance: 777 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Historical Brickworks-Multiple References to Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Worked Ground Detail:	A9NW (SE)	777	8	471500 172650



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 470110 Northing: 172760 Distance: 778 Quadrant Reference: A7 Quadrant Reference: NW Bearing Ref: SW Cavity Type: Old Sand And Gravel Pit,Might Be Associated With Railway Commodity: Chalk Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravels Detail:	A7NW (SW)	778	8	470110 172760
	Man-Made Mining Cavities Easting: 471500 Northing: 172600 Distance: 807 Quadrant Reference: A9 Quadrant Reference: NW Bearing Ref: SE Cavity Type: Shaft described-for Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Worked Ground Detail:	A9NW (SE)	807	8	471500 172600
	Man-Made Mining Cavities Easting: 471700 Northing: 172900 Distance: 855 Quadrant Reference: A14 Quadrant Reference: SE Bearing Ref: E Cavity Type: Subsidence-Over Possible Excavation/Shallow Bell Pit Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Taplow Gravel Detail:	A14SE (E)	855	8	471700 172900
	Man-Made Mining Cavities Easting: 471700 Northing: 172700 Distance: 923 Quadrant Reference: A9 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Chalkwell/Possible Shaft Entry Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A9NE (SE)	923	8	471700 172700
	Man-Made Mining Cavities Easting: 471550 Northing: 172450 Distance: 944 Quadrant Reference: A9 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Shaft described-for Pillar and Stall Chalk Mine Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology Worked Ground Detail:	A9SE (SE)	944	8	471550 172450
	Man-Made Mining Cavities Easting: 471700 Northing: 172650 Distance: 946 Quadrant Reference: A9 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Historical Brick Works/Extensive Clay Excavations-Potential Chalk Mining Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A9NE (SE)	946	8	471700 172650



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Man-Made Mining Cavities Easting: 471790 Northing: 172750 Distance: 986 Quadrant Reference: A9 Quadrant Reference: NE Bearing Ref: E Cavity Type: Crown Hole Collapse Commodity: Chalk Solid Geology Detail: Lambeth Group, Upper Chalk Formation Superficial Geology No Details Detail:	A9NE (E)	986	8	471790 172750
	Natural Cavities Easting: 470920 Northing: 173050 Distance: 74 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	74	8	470920 173050
	Natural Cavities Easting: 470980 Northing: 173060 Distance: 119 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	119	8	470980 173060
	Natural Cavities Easting: 470990 Northing: 173040 Distance: 136 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	136	8	470990 173040
	Natural Cavities Easting: 470950 Northing: 172980 Distance: 148 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe x 2 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravel Detail:	A13SE (SE)	148	8	470950 172980
	Natural Cavities Easting: 470970 Northing: 172990 Distance: 152 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	152	8	470970 172990
	Natural Cavities Easting: 470990 Northing: 173010 Distance: 153 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	153	8	470990 173010



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471000 Northing: 173010 Distance: 161 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	161	8	471000 173010
	Natural Cavities Easting: 471000 Northing: 173010 Distance: 161 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	161	8	471000 173010
	Natural Cavities Easting: 471000 Northing: 173010 Distance: 161 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	161	8	471000 173010
	Natural Cavities Easting: 471010 Northing: 173200 Distance: 163 Quadrant Reference: A13 Quadrant Reference: NE Bearing Ref: E Cavity Type: Solution Widened Joint or Fissure x 3 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13NE (E)	163	8	471010 173200
	Natural Cavities Easting: 471010 Northing: 173010 Distance: 169 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	169	8	471010 173010
	Natural Cavities Easting: 471010 Northing: 173010 Distance: 169 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	169	8	471010 173010
	Natural Cavities Easting: 471020 Northing: 173010 Distance: 177 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	177	8	471020 173010



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471040 Northing: 173010 Distance: 195 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	195	8	471040 173010
	Natural Cavities Easting: 470990 Northing: 172940 Distance: 203 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	203	8	470990 172940
	Natural Cavities Easting: 471060 Northing: 173010 Distance: 212 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	212	8	471060 173010
	Natural Cavities Easting: 471000 Northing: 172840 Distance: 294 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	294	8	471000 172840
	Natural Cavities Easting: 471020 Northing: 172850 Distance: 295 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A13SE (SE)	295	8	471020 172850
	Natural Cavities Easting: 470990 Northing: 172770 Distance: 355 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (SE)	355	8	470990 172770
	Natural Cavities Easting: 471100 Northing: 173400 Distance: 364 Quadrant Reference: A13 Quadrant Reference: NE Bearing Ref: NE Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group Superficial Geology Taplow Gravel Detail:	A13NE (NE)	364	8	471100 173400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471000 Northing: 172750 Distance: 377 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravel Detail:	A8NE (SE)	377	8	471000 172750
	Natural Cavities Easting: 471150 Northing: 172850 Distance: 378 Quadrant Reference: A13 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A13SE (SE)	378	8	471150 172850
	Natural Cavities Easting: 471000 Northing: 172720 Distance: 406 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: S Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (S)	406	8	471000 172720
	Natural Cavities Easting: 471100 Northing: 172760 Distance: 414 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (SE)	414	8	471100 172760
	Natural Cavities Easting: 470380 Northing: 172990 Distance: 440 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravel Detail:	A12SE (W)	440	8	470380 172990
	Natural Cavities Easting: 470370 Northing: 173000 Distance: 447 Quadrant Reference: A12 Quadrant Reference: SE Bearing Ref: W Cavity Type: Solution Pipe x 2 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravel Detail:	A12SE (W)	447	8	470370 173000
	Natural Cavities Easting: 471130 Northing: 172730 Distance: 456 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (SE)	456	8	471130 172730



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471140 Northing: 172730 Distance: 461 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (SE)	461	8	471140 172730
	Natural Cavities Easting: 471040 Northing: 172670 Distance: 466 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (SE)	466	8	471040 172670
	Natural Cavities Easting: 471040 Northing: 172650 Distance: 485 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A8NE (SE)	485	8	471040 172650
	Natural Cavities Easting: 471020 Northing: 172640 Distance: 488 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: S Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (S)	488	8	471020 172640
	Natural Cavities Easting: 471040 Northing: 172640 Distance: 494 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: SE Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology No Details Detail:	A8NE (SE)	494	8	471040 172640
	Natural Cavities Easting: 471030 Northing: 172630 Distance: 500 Quadrant Reference: A8 Quadrant Reference: NE Bearing Ref: S Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A8NE (S)	500	8	471030 172630
	Natural Cavities Easting: 470490 Northing: 172690 Distance: 529 Quadrant Reference: A7 Quadrant Reference: NE Bearing Ref: SW Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology Lynch Hill Gravel Detail:	A7NE (SW)	529	8	470490 172690



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471400 Northing: 173200 Distance: 538 Quadrant Reference: A14 Quadrant Reference: NW Bearing Ref: E Cavity Type: Solution Pipe x 2 Solid Geology Detail: Chalk Group Superficial Geology: Taplow Gravel Detail:	A14NW (E)	538	8	471400 173200
	Natural Cavities Easting: 470250 Northing: 173160 Distance: 553 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A12NE (W)	553	8	470250 173160
	Natural Cavities Easting: 470240 Northing: 173160 Distance: 563 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A12NE (W)	563	8	470240 173160
	Natural Cavities Easting: 470240 Northing: 173150 Distance: 563 Quadrant Reference: A12 Quadrant Reference: NE Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A12NE (W)	563	8	470240 173150
	Natural Cavities Easting: 471500 Northing: 173300 Distance: 657 Quadrant Reference: A14 Quadrant Reference: NW Bearing Ref: E Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group Superficial Geology: Taplow Gravel Detail:	A14NW (E)	657	8	471500 173300
	Natural Cavities Easting: 470500 Northing: 172500 Distance: 687 Quadrant Reference: A8 Quadrant Reference: NW Bearing Ref: SW Cavity Type: Sinkhole x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A8NW (SW)	687	8	470500 172500
	Natural Cavities Easting: 471500 Northing: 173400 Distance: 691 Quadrant Reference: A14 Quadrant Reference: NW Bearing Ref: E Cavity Type: Solution Pipe x 3 Solid Geology Detail: Chalk Group Superficial Geology: Taplow Gravel Detail:	A14NW (E)	691	8	471500 173400



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 471550 Northing: 173400 Distance: 737 Quadrant Reference: A14 Quadrant Reference: NE Bearing Ref: E Cavity Type: Solution Pipe x 5 Solid Geology Detail: Chalk Group Superficial Geology: Taplow Gravel Detail:	A14NE (E)	737	8	471550 173400
	Natural Cavities Easting: 471600 Northing: 172800 Distance: 791 Quadrant Reference: A14 Quadrant Reference: SE Bearing Ref: SE Cavity Type: Unknown Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A14SE (SE)	791	8	471600 172800
	Natural Cavities Easting: 470000 Northing: 173010 Distance: 809 Quadrant Reference: A12 Quadrant Reference: SW Bearing Ref: W Cavity Type: Solution Widened Joint or Fissure x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: No Details Detail:	A12SW (W)	809	8	470000 173010
	Natural Cavities Easting: 470130 Northing: 172540 Distance: 886 Quadrant Reference: A7 Quadrant Reference: NW Bearing Ref: SW Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A7NW (SW)	886	8	470130 172540
	Natural Cavities Easting: 469950 Northing: 172820 Distance: 902 Quadrant Reference: A12 Quadrant Reference: SW Bearing Ref: W Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A12SW (W)	902	8	469950 172820
	Natural Cavities Easting: 470000 Northing: 172700 Distance: 904 Quadrant Reference: A7 Quadrant Reference: NW Bearing Ref: SW Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A7NW (SW)	904	8	470000 172700
	Natural Cavities Easting: 469900 Northing: 172800 Distance: 956 Quadrant Reference: A12 Quadrant Reference: SW Bearing Ref: W Cavity Type: Solution Pipe Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A12SW (W)	956	8	469900 172800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Natural Cavities Easting: 469980 Northing: 172610 Distance: 966 Quadrant Reference: A7 Quadrant Reference: NW Bearing Ref: SW Cavity Type: Sinkhole x 1, Solution Pipe x 1 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology: Lynch Hill Gravel Detail:	A7NW (SW)	966	8	469980 172610
	Non Coal Mining Areas of Great Britain Risk: Highly Unlikely Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	60	1	470887 173046
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	71	1	470925 173059
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	84	1	470941 173060
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	108	1	470973 173072
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	110	1	470913 173003
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	121	1	470964 173028
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	128	1	470958 173010
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	146	1	470992 173024
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	195	1	470917 172915
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	211	1	470864 172893
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	214	1	471064 173015
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	217	1	471083 173066
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	224	1	471005 172926
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	234	1	470920 172876
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	234	1	470892 172872
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	242	1	470871 172862
	Non Coal Mining Areas of Great Britain Risk: Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	244	1	470872 172860

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Non Coal Mining Areas of Great Britain Risk: Highly Likely Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	245	1	471013 172906
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	30	1	470830 173193
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	33	1	470836 173193
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	69	1	470792 173045
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	165	1	471015 173195
	Potential for Ground Dissolution Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	169	1	470802 173332
	Potential for Ground Dissolution Stability Hazards Hazard Potential: High Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	249	1	471092 173232
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	30	1	470830 173193
	Potential for Landslide Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	165	1	471015 173195
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	30	1	470830 173193
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	165	1	471015 173195
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13NE (E)	249	1	471092 173232
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13SW (W)	0	1	470833 173129
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NE (N)	30	1	470836 173193
	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	A13SW (W)	0	1	470833 173129



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13SW (W)	0	1	470833 173129



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	Contemporary Trade Directory Entries Name: The Headway Press Ltd Location: 57, Baker Street, Reading, RG1 7XX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (W)	0	-	470809 173135
162	Contemporary Trade Directory Entries Name: Courier Expert Location: 1, Epping Close, Reading, RG1 7YD Classification: Cargo Handling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	18	-	470835 173093
162	Contemporary Trade Directory Entries Name: Abbey Pest Control Location: Epping House, 55 Russell Street, Reading, Berkshire, RG1 7XG Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	25	-	470778 173127
162	Contemporary Trade Directory Entries Name: Carpet Genie Ltd Location: Epping House, 55, Russell Street, Reading, RG1 7XG Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	25	-	470778 173127
163	Contemporary Trade Directory Entries Name: R B M Wound Components Ltd Location: 22a, Baker Street, Reading, RG1 7XX Classification: Transformer Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	28	-	470837 173182
164	Contemporary Trade Directory Entries Name: Magal Engineering Ltd Location: Headley Road, Reading, Berkshire, RG1 7RS Classification: Engineers - General Status: Active Positional Accuracy: Manually positioned within the geographical locality	A13SE (E)	56	-	470925 173108
164	Contemporary Trade Directory Entries Name: Arc Tooling Technology Location: 23, Jesse Terrace, Reading, RG1 7RS Classification: Tool Design, Manufacturers & Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	57	-	470927 173103
164	Contemporary Trade Directory Entries Name: Clean Supreme Services Location: 25, Jesse Terrace, Reading, RG1 7RS Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	60	-	470929 173097
165	Contemporary Trade Directory Entries Name: Reading Tyres Ltd Location: 81, Russell Street, Reading, RG1 7XG Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	94	-	470798 173022
165	Contemporary Trade Directory Entries Name: Mobile Tyres Service Location: 81, Russell Street, Reading, RG1 7XG Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (S)	94	-	470798 173022
165	Contemporary Trade Directory Entries Name: Ride In Bike Tyres Location: 81, Russell Street, Reading, RG1 7XG Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	94	-	470798 173022
165	Contemporary Trade Directory Entries Name: Daily Poppins Location: 81, Russell Street, Reading, RG1 7XG Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	94	-	470798 173022



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
165	Contemporary Trade Directory Entries Name: G T Auto Repairs Location: 81, Russell Street, Reading, Berkshire, RG1 7XG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	94	-	470798 173022
165	Contemporary Trade Directory Entries Name: Tamarisk Autos Location: 81, Russell Street, Reading, RG1 7XG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (S)	94	-	470798 173022
166	Contemporary Trade Directory Entries Name: No 1 Cleaning Co Location: 30, Anstey Road, READING, RG1 7JR Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	161	-	471030 173119
167	Contemporary Trade Directory Entries Name: B P Service Station Location: Tilehurst Road, Reading, Berkshire, RG1 7TW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	169	-	470665 173017
167	Contemporary Trade Directory Entries Name: Bp Location: 2, Tilehurst Road, Reading, RG1 7TW Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	170	-	470665 173017
168	Contemporary Trade Directory Entries Name: J C Electrics Reading Ltd Location: Atlantis House, 122, Castle Street, Reading, RG1 7RG Classification: Electrical Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	174	-	471029 173033
169	Contemporary Trade Directory Entries Name: Rubbish Removal Reading Location: Goldsmid Rd, Reading, Berkshire, RG1 7JB Classification: Waste Disposal Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NW (N)	174	-	470756 173329
170	Contemporary Trade Directory Entries Name: D J Wyeth Location: 4, Waylen Street, Reading, RG1 7UR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	174	-	470857 173332
170	Contemporary Trade Directory Entries Name: Adam'S Halal Meat Market Hmc Location: 137, Oxford Road, Reading, RG1 7UU Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (N)	197	-	470827 173360
171	Contemporary Trade Directory Entries Name: Marine Ventures Ltd Location: Marven House, 1, Field Road, Reading, RG1 6AP Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	184	-	470990 172965
171	Contemporary Trade Directory Entries Name: Workmates (Building Trades) Ltd Location: Hadwyn House, Field Road, Reading, RG1 6AP Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	192	-	470981 172948
172	Contemporary Trade Directory Entries Name: Knights Mobile Tyres Reading Location: Neuk, Field Road, Reading, RG1 6AP Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	233	-	470986 172902



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
173	Contemporary Trade Directory Entries Name: M S B Autos Location: 114-116, Oxford Road, Reading, Berkshire, RG1 7NE Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	244	-	470840 173406
173	Contemporary Trade Directory Entries Name: Berkshire Car Sales Location: 114-116, Oxford Road, Reading, Berkshire, RG1 7NE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13NE (N)	244	-	470840 173406
174	Contemporary Trade Directory Entries Name: D E S Home Appliances Ltd Location: 109a, Oxford Road, Reading, RG1 7UD Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	252	-	470963 173367
174	Contemporary Trade Directory Entries Name: Colourflow Location: 109, Oxford Road, Reading, RG1 7UD Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	252	-	470963 173367
174	Contemporary Trade Directory Entries Name: Hobbs Of Reading Location: 102, Oxford Road, Reading, RG1 7LL Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	273	-	470945 173404
174	Contemporary Trade Directory Entries Name: Hobbs Of Reading Location: 102, Oxford Road, Reading, RG1 7LL Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	273	-	470945 173404
174	Contemporary Trade Directory Entries Name: Adam Halal Meat Location: Reading, Berkshire, Rg1 7lj Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13NE (NE)	296	-	470987 173404
175	Contemporary Trade Directory Entries Name: Ktc Garage Location: Unit 1a,Prospect Mews,Prospect St, Reading, Berkshire, RG1 7YJ Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	278	-	470606 173354
175	Contemporary Trade Directory Entries Name: Autocare Location: Prospect Mews, Prospect Street, Reading, RG1 7YJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	287	-	470603 173362
175	Contemporary Trade Directory Entries Name: Auto Solutions Location: Prospect Mews, Prospect Street, Reading, Berkshire, RG1 7YJ Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	287	-	470603 173362
175	Contemporary Trade Directory Entries Name: Aztec Printing Location: Prospect Mews,Prospect St, Reading, Berkshire, RG1 7YJ Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13NW (NW)	293	-	470590 173358
175	Contemporary Trade Directory Entries Name: S N D Location: Prospect Mews, Prospect Street, Reading, RG1 7YJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	303	-	470589 173371



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
175	Contemporary Trade Directory Entries Name: Entroform Ltd Location: Prospect Mews, Prospect Street, Reading, RG1 7YJ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	314	-	470579 173377
176	Contemporary Trade Directory Entries Name: Reading Carpentry Services Ltd Location: 1a, Eaton Place, Reading, RG1 7LP Classification: Joinery Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (N)	282	-	470939 173417
176	Contemporary Trade Directory Entries Name: Burghfield Bridge Tyres Location: 2, Eaton Place, Reading, RG1 7LP Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13NE (N)	317	-	470934 173457
177	Contemporary Trade Directory Entries Name: Bath Road Day Hospital Location: 5, Bath Road, Reading, RG1 6HH Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	285	-	470702 172851
178	Contemporary Trade Directory Entries Name: Breakdown Recovery Berkshire Location: Field Rd, Reading, Berkshire, RG1 6AP Classification: Breakdown and Recovery Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A13SE (SE)	294	-	471019 172851
179	Contemporary Trade Directory Entries Name: Minute Man Press Location: 82, Oxford Road, Reading, RG1 7LJ Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	311	-	470997 173415
180	Contemporary Trade Directory Entries Name: Dunedin Hospital Location: 16, Bath Road, Reading, RG1 6NS Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	318	-	470573 172897
180	Contemporary Trade Directory Entries Name: Dunedin Hospital Location: 16, Bath Road, Reading, RG1 6NS Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	318	-	470573 172897
180	Contemporary Trade Directory Entries Name: Dunedin Spire Hospital Location: 16, Bath Road, Reading, RG1 6NS Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	318	-	470573 172897
180	Contemporary Trade Directory Entries Name: Dunedin Spire Hospital Location: 16, Bath Road, Reading, RG1 6NS Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	318	-	470573 172897
180	Contemporary Trade Directory Entries Name: Spire Dunedin Hospital Location: Dunedin Hospital, 16, Bath Road, Reading, RG1 6NQ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	334	-	470572 172874
180	Contemporary Trade Directory Entries Name: Spire Dunedin Hospital Location: Dunedin Hospital, 16, Bath Road, Reading, RG1 6NQ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	334	-	470572 172874



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Contemporary Trade Directory Entries Name: Tanner Vaughan - The Spire Dunedin Hospital Location: Dunedin Hospital, Bath Road, Reading, RG1 6NQ Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	334	-	470572 172874
181	Contemporary Trade Directory Entries Name: Tudor Press Location: 209, Oxford Road, Reading, RG1 7PX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	365	-	470529 173398
181	Contemporary Trade Directory Entries Name: Top Test Parsons Garage Location: 217, Oxford Road, Reading, RG1 7PX Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	377	-	470505 173386
181	Contemporary Trade Directory Entries Name: Transauto Location: 221, Oxford Road, READING, RG1 7PX Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NW (NW)	395	-	470498 173408
182	Contemporary Trade Directory Entries Name: Cab Caribbean Foods Location: Flat 1, 122, Chatham Street, Reading, RG1 7HT Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	366	-	470792 173529
182	Contemporary Trade Directory Entries Name: Top Class Executive Cars Location: 114-116, Chatham Street, Reading, RG1 7HT Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	392	-	470830 173555
182	Contemporary Trade Directory Entries Name: Luckey Tyres Centre Location: 114-116, Chatham Street, Reading, RG1 7HT Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	392	-	470830 173555
182	Contemporary Trade Directory Entries Name: K R G Transport Ltd Location: 3, Malthouse Lane, Reading, RG1 7JA Classification: Stained Glass Designers & Producers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	393	-	470787 173556
182	Contemporary Trade Directory Entries Name: Leadcraft Stained Glass Studio Location: 3, Malthouse Lane, Reading, RG1 7JA Classification: Stained Glass Designers & Producers Status: Active Positional Accuracy: Automatically positioned to the address	A18SW (N)	393	-	470787 173556
183	Contemporary Trade Directory Entries Name: Colorama Free Film Photo Centres Location: 54, Broad Street Mall, Reading, RG1 7QE Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (NE)	389	-	471160 173377
184	Contemporary Trade Directory Entries Name: Personal Touch Location: Flat A, 24, Bath Road, Reading, Berkshire, RG1 6NS Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	404	-	470502 172846
185	Contemporary Trade Directory Entries Name: Carpet Cleaning Reading Location: 35, Castle Street, Reading, RG1 7SB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	408	-	471267 173204



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
186	Contemporary Trade Directory Entries Name: Squeaky Clean Homes Ltd Location: 49, Wolseley Street, Reading, RG1 6AZ Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	408	-	471185 172844
187	Contemporary Trade Directory Entries Name: U T P Merchant Services Ltd Location: Zenith House, Cheapside, Reading, RG1 7AQ Classification: Cash Registers & Check-Out Equipment Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	438	-	471152 173453
188	Contemporary Trade Directory Entries Name: Service Point Uk Ltd Location: 23-25, Oxford Road, Reading, RG1 7QG Classification: Copying & Duplicating Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	447	-	471225 173389
188	Contemporary Trade Directory Entries Name: Brighthouse Location: 22-23, Broad Street Mall, Reading, RG1 7QE Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	458	-	471254 173367
189	Contemporary Trade Directory Entries Name: Scamellperformance Location: 17, Swan Place, READING, RG1 6QD Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	448	-	471317 173081
190	Contemporary Trade Directory Entries Name: B P Service Station Location: 150, Oxford Road, Reading, RG1 7PJ Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	451	-	470465 173455
190	Contemporary Trade Directory Entries Name: Krisco Services Ltd Location: 150, Oxford Road, Reading, RG1 7PJ Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	451	-	470465 173455
191	Contemporary Trade Directory Entries Name: Save Service Station Location: Service Station, 10, Berkeley Avenue, Reading, RG1 6JE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (S)	483	-	470970 172632
191	Contemporary Trade Directory Entries Name: Esso Location: Service Station, 10, Berkeley Avenue, Reading, RG1 6JE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	485	-	470988 172634
191	Contemporary Trade Directory Entries Name: Esso Location: Service Station, 10, Berkeley Avenue, Reading, RG1 6JE Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	485	-	470988 172634
192	Contemporary Trade Directory Entries Name: Cleaners Reading Location: 15, Castle Street, Reading, RG1 7SB Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	489	-	471348 173211
192	Contemporary Trade Directory Entries Name: Wasteking Ltd Location: 7, Castle Street, Reading, RG1 7SB Classification: Rubbish Clearance Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	526	-	471383 173229



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
193	Contemporary Trade Directory Entries Name: Goldstar Cleaning Services Location: 64, Bedford Road, Reading, RG1 7HR Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (N)	490	-	470714 173645
194	Contemporary Trade Directory Entries Name: R A Engineering Location: Unit 12-14, North Street, Reading, RG1 7DA Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	515	-	470957 173658
194	Contemporary Trade Directory Entries Name: European Market Liaison Ltd Location: Unit 11, C, Weldale Street, Reading, RG1 7BX Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	525	-	470981 173661
194	Contemporary Trade Directory Entries Name: Frontline Cables Location: Unit 10-11, Building C, Weldale Street, Reading, RG1 7BX Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	525	-	470981 173661
194	Contemporary Trade Directory Entries Name: Cavaliers Location: Unit 9, Building C, Weldale Street, Reading, RG1 7BX Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	532	-	470995 173664
194	Contemporary Trade Directory Entries Name: Power & Telephone Supply Europe Ltd Location: Unit 9, C, Weldale Street, Reading, RG1 7BX Classification: Cable & Wire Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	532	-	470995 173664
194	Contemporary Trade Directory Entries Name: D R W Location: Unit C8 Weldale Street, Reading, Berkshire, RG1 7BX Classification: Garage Services Status: Active Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	557	-	471017 173682
194	Contemporary Trade Directory Entries Name: Aquaid Location: Unit 7, Building C, Weldale Street, READING, RG1 7BX Classification: Water Coolers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	557	-	471017 173682
194	Contemporary Trade Directory Entries Name: Ac Elite Cleaners Location: Unit 10 C, Weldale Street, Reading, Berkshire, RG1 7BX Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18SE (N)	558	-	470995 173691
194	Contemporary Trade Directory Entries Name: M R M Associates Ltd Location: Unit 4, C, Weldale Street, Reading, RG1 7BX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	558	-	470995 173691
195	Contemporary Trade Directory Entries Name: Carpets Like New Reading Location: 32, St. Marys Butts, Reading, RG1 2LS Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	517	-	471359 173282
195	Contemporary Trade Directory Entries Name: Kall Kwik Location: 32, St. Marys Butts, Reading, RG1 2LS Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (E)	517	-	471359 173282



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
196	Contemporary Trade Directory Entries Name: Reading Auto Trading Location: 4, Berkeley Avenue, Reading, RG1 6JE Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	520	-	471046 172615
196	Contemporary Trade Directory Entries Name: Berkeley Van Sales Location: 4, Berkeley Avenue, Reading, RG1 6JE Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	521	-	471046 172614
196	Contemporary Trade Directory Entries Name: Reading Asphalt Co Location: 4, Berkeley Avenue, Reading, RG1 6JE Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	521	-	471046 172614
196	Contemporary Trade Directory Entries Name: I C M Direct Location: 4, Berkeley Avenue, Reading, Berkshire, RG1 6JE Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	521	-	471046 172614
196	Contemporary Trade Directory Entries Name: Textile Cleaning Solutions (Berkshire) Location: 5-9 Berkeley Av, Reading, Berkshire, RG1 6EL Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NE (SE)	543	-	471062 172596
197	Contemporary Trade Directory Entries Name: Carpet Cleaners Reading Ltd Location: 6, Fobney Street, READING, RG1 6BY Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (E)	523	-	471391 173062
198	Contemporary Trade Directory Entries Name: Pristine Clean Location: 45, George Street, Reading, RG1 7NP Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SW (NW)	530	-	470576 173640
199	Contemporary Trade Directory Entries Name: Berkeley Service Station Location: Drop-in Centre, Berkeley Avenue, Reading, RG1 6JT Classification: Petrol Filling Stations - 24 Hour Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	544	-	471146 172635
200	Contemporary Trade Directory Entries Name: The Discount Photo Co Location: 21, West Street, Reading, RG1 1TT Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	547	-	471297 173460
200	Contemporary Trade Directory Entries Name: Forest Gold Location: 76 Broad St, Reading, Berkshire, RG1 2AP Classification: Bags, Belts & Accessories - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NW (NE)	548	-	471326 173421
200	Contemporary Trade Directory Entries Name: Suprema Location: 19, West Street, Reading, RG1 1TT Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A14NW (NE)	549	-	471294 173467
201	Contemporary Trade Directory Entries Name: Reading Borough Council - Pest Control Location: Civic Offices, Bridge Street, Reading, RG1 2LU Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	549	-	471417 173150



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
201	Contemporary Trade Directory Entries Name: Reading Borough Council Location: Civic Offices, Bridge Street, Reading, RG1 2LU Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	549	-	471417 173150
202	Contemporary Trade Directory Entries Name: Oxford Road Motor Co Location: 267, Oxford Road, Reading, RG1 7PY Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	551	-	470329 173433
202	Contemporary Trade Directory Entries Name: M T C Motorcycles Location: 267-271, Oxford Road, Reading, RG1 7PY Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	559	-	470320 173435
202	Contemporary Trade Directory Entries Name: R B M Copiers Ltd Location: 275, Oxford Road, Reading, RG1 7PY Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	572	-	470306 173435
202	Contemporary Trade Directory Entries Name: Afro Caribbean & Oriental Foods Location: 275 Oxford Rd, Reading, Berkshire, RG1 7PY Classification: Meat - Wholesale Status: Inactive Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	572	-	470306 173435
203	Contemporary Trade Directory Entries Name: Springson Uk Location: Unit B5, Reading Business Centre, Great Knollys St, Reading, Berkshire, RG1 7HN Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SW (N)	556	-	470816 173720
204	Contemporary Trade Directory Entries Name: Everest Jewellery Location: 4, West Street, Reading, RG1 1TT Classification: Jewellery Manufacturers & Repairers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	572	-	471271 173527
204	Contemporary Trade Directory Entries Name: Prim Location: 7, West Street, Reading, RG1 1TT Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	573	-	471276 173522
205	Contemporary Trade Directory Entries Name: Hillround Ltd Location: 7, Weldale Street, Reading, RG1 7BX Classification: Sheet Metal Work Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	577	-	471044 173693
205	Contemporary Trade Directory Entries Name: Motest Reading Location: 7, Weldale Street, Reading, RG1 7BX Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	577	-	471044 173693
205	Contemporary Trade Directory Entries Name: Biggins & Gallagher Ltd Location: Flat 4, Bellman Court, Great Knollys Street, Reading, RG1 7HN Classification: Concrete Reinforcements Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	578	-	471015 173705



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
205	Contemporary Trade Directory Entries Name: M & J Location: Unit B5, Great Knollys Street, Reading, RG1 7HN Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	591	-	471007 173722
205	Contemporary Trade Directory Entries Name: M & J Reboring & Piston Services Location: Unit B5, Great Knollys St, Reading, Berkshire, RG1 7HN Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	591	-	471006 173722
205	Contemporary Trade Directory Entries Name: Duplo International Ltd Location: Unit B9-B11, Great Knollys Street, Reading, Berkshire, RG1 7HN Classification: Bookbinding & Equipment Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	593	-	471039 173712
205	Contemporary Trade Directory Entries Name: Binding & Laminating Services Ltd Location: B9-B11, Unit, Great Knollys Street, Reading, Berkshire, RG1 7HN Classification: Bookbinders Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	593	-	471039 173712
205	Contemporary Trade Directory Entries Name: C T Autos Location: Unit B10, Great Knollys Street, Reading, RG1 7HN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	593	-	471039 173712
205	Contemporary Trade Directory Entries Name: A & M Motors Location: Unit B4, Great Knollys Street, Reading, RG1 7HN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	596	-	471007 173728
205	Contemporary Trade Directory Entries Name: Grants Autos Location: Unit B2, Great Knollys Street, Reading, Berkshire, RG1 7HN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	604	-	471005 173737
205	Contemporary Trade Directory Entries Name: Swains Automotive Location: Unit B1, Great Knollys Street, Reading, RG1 7HN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	609	-	471004 173742
205	Contemporary Trade Directory Entries Name: Artset Ltd Location: Unit B7, Great Knollys Street, Reading, RG1 7HN Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	617	-	471037 173739
205	Contemporary Trade Directory Entries Name: Philip Swain Location: b1 Great Knollys St, Reading, Berkshire, RG1 7HN Classification: Brake & Clutch Service Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	625	-	471018 173754
205	Contemporary Trade Directory Entries Name: Motest Location: Great Knollys St, Reading, Berkshire, RG1 7HN Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	635	-	471037 173758
205	Contemporary Trade Directory Entries Name: Motest Location: 7, Great Knollys St, Reading, Berkshire, RG1 7HN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18SE (N)	641	-	471046 173761



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
206	Contemporary Trade Directory Entries Name: D P Cleaning Services Location: 24, Ormsby Street, Reading, RG1 7YR Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A12NE (NW)	583	-	470278 173403
207	Contemporary Trade Directory Entries Name: Pit Stop Tyres Location: Unit A1, Great Knollys Street, Reading, RG1 7HN Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18SE (N)	583	-	470948 173731
207	Contemporary Trade Directory Entries Name: S & J Autos Location: Unit B,63 Great Knollys St, Reading, Berkshire, RG1 7HN Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (N)	592	-	470985 173730
208	Contemporary Trade Directory Entries Name: Necessities Location: 21, Caversham Road, Reading, RG1 7BT Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	588	-	471095 173680
208	Contemporary Trade Directory Entries Name: Aardvark Trading Co Location: 6-14 Weldale St, Reading, Berkshire, RG1 7BX Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	596	-	471082 173696
208	Contemporary Trade Directory Entries Name: Aardvark Service Centre Location: 6-14 Weldale St, Reading, Berkshire, RG1 7BX Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	596	-	471083 173696
209	Contemporary Trade Directory Entries Name: E Carter & Sons Location: 54, Gower Street, Reading, RG1 7PE Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A17SE (NW)	589	-	470352 173535
210	Contemporary Trade Directory Entries Name: J G D Location: Berkeley Av, Reading, Berkshire, RG1 6JE Classification: Metal Workers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A8NW (S)	593	-	470684 172536
211	Contemporary Trade Directory Entries Name: The Perfume Shop Location: Superdrug,55-59 Broad Street, Reading, Berkshire, RG1 2AF Classification: Perfume Suppliers Status: Active Positional Accuracy: Automatically positioned to the address	A19SW (NE)	616	-	471369 173478
212	Contemporary Trade Directory Entries Name: Shine Carpets Reading Location: 4, Katesgrove Lane, Reading, RG1 2ND Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	622	-	471440 172856
213	Contemporary Trade Directory Entries Name: Shine Carpets Reading Ltd Location: Katesgrove Lane, Reading, Berkshire, RG1 2ND Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14SW (SE)	625	-	471421 172810
213	Contemporary Trade Directory Entries Name: Thompson Engineering Location: Unit 9 68-72 Katesgrove La, Reading, Berkshire, RG1 2ND Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	635	-	471410 172770



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
214	Contemporary Trade Directory Entries Name: Sharps Bedrooms Location: 14, Chain Street, Reading, RG1 2HX Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	627	-	471432 173395
215	Contemporary Trade Directory Entries Name: Electronic Imaging Maintenance Ltd Location: 45, Tilehurst Road, Reading, RG1 7TT Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	628	-	470179 173038
215	Contemporary Trade Directory Entries Name: Amors Auto Solutions Ltd Location: 58, Tilehurst Road, Reading, RG1 7TU Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	628	-	470175 173070
215	Contemporary Trade Directory Entries Name: S N D Autos Location: 58, Tilehurst Road, Reading, RG1 7TU Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (W)	631	-	470172 173074
216	Contemporary Trade Directory Entries Name: Local Integrated Travel Enquiry Service Location: Great Knollys Street, Reading, RG1 7HH Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	629	-	470860 173791
216	Contemporary Trade Directory Entries Name: Reading Mainline Location: Great Knollys Street, Reading, RG1 7HH Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	629	-	470860 173791
216	Contemporary Trade Directory Entries Name: Reading Buses Location: Great Knollys Street, Reading, RG1 7HH Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	629	-	470860 173791
216	Contemporary Trade Directory Entries Name: Reading Buses Location: Great Knollys Street, Reading, Berkshire, RG1 7HH Classification: Bus & Coach Operators & Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	629	-	470860 173791
217	Contemporary Trade Directory Entries Name: Cleaners Of Reading Location: 287, Oxford Road, Reading, RG30 1AS Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NE (NW)	638	-	470236 173443
218	Contemporary Trade Directory Entries Name: Workplace Interiors Ltd Location: 5-9 Berkeley Av, Reading, Berkshire, RG1 6EL Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	645	-	471260 172591
219	Contemporary Trade Directory Entries Name: National Tyres & Autocare Location: 45, Caversham Road, READING, RG1 7BT Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	660	-	471126 173746
220	Contemporary Trade Directory Entries Name: Soundz Unique Location: 1, Upavon Drive, Reading, RG1 6LP Classification: Sound Equipment Systems Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NW (SW)	680	-	470544 172488



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Contemporary Trade Directory Entries Name: Contract Ironing Location: 9, Phoebe Court, Reading, RG1 2NA Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	682	-	471432 172717
222	Contemporary Trade Directory Entries Name: Depille Location: 42, Salisbury Road, Reading, RG30 1BJ Classification: Electrolysis Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SE (NW)	685	-	470274 173591
223	Contemporary Trade Directory Entries Name: Jordans Autocare Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Tyre Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	471319 172576
223	Contemporary Trade Directory Entries Name: Stylees Leather Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Leather Garments & Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	471319 172576
223	Contemporary Trade Directory Entries Name: Cookerburra Oven Cleaning Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Oven cleaning Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	471319 172576
223	Contemporary Trade Directory Entries Name: Pulleyn Cleaning Services Location: 251, A33 Relief Road, Reading, RG2 0RR Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	693	-	471319 172576
224	Contemporary Trade Directory Entries Name: Sanbei Location: 14 Union St, Reading, Berkshire, RG1 1EU Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	698	-	471428 173537
225	Contemporary Trade Directory Entries Name: Fish Bros Location: Rose Kiln Lane, Reading, Berkshire, RG1 6RS Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NW (SE)	714	-	471234 172490
226	Contemporary Trade Directory Entries Name: Www.Mbitzdirect.Com Location: The Oracle Centre, Riverside Level, Reading, Berkshire, RG1 2AG Classification: Mobile Phone Accessories and Car Kits Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	716	-	471574 173242
226	Contemporary Trade Directory Entries Name: Apple Location: Unit 7-8, Upper Ground Level, The Oracle Centre, Reading, RG1 2AH Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	717	-	471574 173242
226	Contemporary Trade Directory Entries Name: Currys Digital Location: Unit 16, Upper Ground Level, The Oracle Centre, Reading, RG1 2AH Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	717	-	471574 173242



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	Contemporary Trade Directory Entries Name: The Perfume Shop Location: Unit 37A, Upper Ground Level, The Oracle Centre, Reading, Berkshire, RG1 2AH Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	717	-	471574 173242
226	Contemporary Trade Directory Entries Name: Wax Lyrical Location: Unit 14, Upper Ground Level, The Oracle Centre, Reading, RG1 2AH Classification: Candle Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	717	-	471574 173242
226	Contemporary Trade Directory Entries Name: L'Occitane Location: Unit 18, Upper Ground Level, The Oracle Centre, Reading, Berkshire, RG1 2AH Classification: Toiletries Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NE (E)	717	-	471574 173242
226	Contemporary Trade Directory Entries Name: Apple Store Location: Upper Level, The Oracle Shopping Centre, Reading, Berkshire, RG1 2AG Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	751	-	471606 173261
227	Contemporary Trade Directory Entries Name: Clean Move Ltd Location: 26, Regent Court, Reading, RG1 7HW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (NE)	720	-	471146 173802
227	Contemporary Trade Directory Entries Name: Nhs Purchasing & Supply Agency Location: Premier House, 60, Caversham Road, Reading, RG1 7EB Classification: Medical Equipment Maintenance & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	737	-	471191 173796
228	Contemporary Trade Directory Entries Name: Velariis Blinds & Curtains Ltd Location: 24, Wensley Road, Reading, RG1 6DJ Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	724	-	470728 172394
228	Contemporary Trade Directory Entries Name: Velariis Blinds & Curtains Ltd Location: 24, Wensley Road, READING, RG1 6DJ Classification: Blinds, Awnings & Canopies Status: Active Positional Accuracy: Automatically positioned to the address	A8SW (S)	724	-	470728 172394
229	Contemporary Trade Directory Entries Name: Alliance For Cohesion & Racial Equality A C R E Location: 1, St. Giles Court, Southampton Street, Reading, RG1 2QL Classification: Tapes - Industrial Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	724	-	471574 172933
230	Contemporary Trade Directory Entries Name: Redknee Location: 30-31, Friar Street, Reading, Berkshire, RG1 1DX Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	737	-	471424 173604
231	Contemporary Trade Directory Entries Name: Cookerburra Location: 5-9, Berkeley Avenue, Reading, Berkshire, RG1 6EL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	738	-	471381 172571



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
231	Contemporary Trade Directory Entries Name: Alb Trans International Ltd Location: 5-9, Berkeley Avenue, Reading, Berkshire, RG1 6EL Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	738	-	471381 172571
231	Contemporary Trade Directory Entries Name: Spotless Cleaning Services Location: Berkeley Av, Reading, Berkshire, RG1 6EL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	739	-	471381 172571
232	Contemporary Trade Directory Entries Name: Rentacure Location: Minster St, Reading, Berkshire, RG1 2JB Classification: Timber Preservation Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	738	-	471566 173360
232	Contemporary Trade Directory Entries Name: Rentacure Ltd Location: Minster St, Reading, Berkshire, RG1 2JB Classification: Damp & Dry Rot Control Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	738	-	471566 173360
233	Contemporary Trade Directory Entries Name: A M Stratton Location: Friar St, Reading, Berkshire, RG1 1DB Classification: Water Softeners Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	750	-	471456 173586
233	Contemporary Trade Directory Entries Name: Car Scraping Scrap Yards In Reading Location: Queen Victoria Street, Reading, Berkshire, rg1 1sy Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	754	-	471502 173528
233	Contemporary Trade Directory Entries Name: Delta Air Conditioning (Reading) Ltd Location: 147, Friar Street, Reading, Berkshire, RG1 1EX Classification: Air Conditioning & Refrigeration Contractors Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SW (NE)	757	-	471490 173551
233	Contemporary Trade Directory Entries Name: Johnson Cleaners Uk Ltd Location: 10, Queen Victoria Street, Reading, RG1 1TG Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	787	-	471530 173547
233	Contemporary Trade Directory Entries Name: Snappy Snaps Location: 149, Friar Street, Reading, RG1 1EX Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	798	-	471526 173571
234	Contemporary Trade Directory Entries Name: J E Cartwright Location: 59, Caversham Road, Reading, RG1 7BP Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (NE)	765	-	471138 173857
234	Contemporary Trade Directory Entries Name: Thames Grp Location: Unit 8, Abattoirs Rd, Reading, Berkshire, RG1 7BL Classification: Glass Fibre - Moulding Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NE (N)	791	-	471132 173888
235	Contemporary Trade Directory Entries Name: Absolute Window Films Location: 13, Petworth Court, Bath Road, Reading, RG1 6PH Classification: Window Tinting Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	771	-	470118 172760



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
236	Contemporary Trade Directory Entries Name: K D Electrolysis Location: 24, Cross Street, Reading, RG1 1SN Classification: Electrolysis Status: Inactive Positional Accuracy: Manually positioned to the address or location	A19SE (NE)	777	-	471542 173506
236	Contemporary Trade Directory Entries Name: Expro Location: 3rd Floor, 14-16 Cross Street, Reading, Berkshire, RG1 1SN Classification: Oil & Gas Exploration Supplies & Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	803	-	471556 173534
236	Contemporary Trade Directory Entries Name: Cromwell Ltd Location: 7-11, Cross Street, Reading, RG1 1ST Classification: Distribution Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	825	-	471578 173541
237	Contemporary Trade Directory Entries Name: Southampton Street Garage Location: 70, Southampton Street, Reading, RG1 2QR Classification: Car Dealers - Used Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	791	-	471626 172871
237	Contemporary Trade Directory Entries Name: Universal Auto Services Location: 70, Southampton Street, Reading, RG1 2QR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	791	-	471626 172871
237	Contemporary Trade Directory Entries Name: Breakdown Recovery Reading Location: 70, Southampton Street, Reading, RG1 2QR Classification: Car Breakdown & Recovery Services Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	791	-	471626 172871
237	Contemporary Trade Directory Entries Name: Kevin Trayhorne Location: 70, Southampton Street, Reading, RG1 2QR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	791	-	471626 172871
237	Contemporary Trade Directory Entries Name: Southampton Street Garage Location: 72a, Southampton Street, Reading, RG1 2QR Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	799	-	471635 172872
238	Contemporary Trade Directory Entries Name: A E A Technology Rail Location: 7-11, Station Road, Reading, RG1 1LG Classification: Railways Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	806	-	471489 173635
238	Contemporary Trade Directory Entries Name: Eco Carpet Clean (Reading) Ltd Location: Station Rd, Reading, Berkshire, RG1 1LG Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	807	-	471489 173635
238	Contemporary Trade Directory Entries Name: H T C Reading Location: 29, Station Road, Reading, RG1 1LG Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	840	-	471491 173684
239	Contemporary Trade Directory Entries Name: Swift Force Ltd Location: 28-34, Station Hill, Reading, Berkshire, RG1 1NF Classification: Shop Fittings Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	817	-	471378 173758



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
239	Contemporary Trade Directory Entries Name: Higgs Print Centre Location: Station Hill, Reading, Berkshire, RG1 1NF Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	843	-	471370 173798
240	Contemporary Trade Directory Entries Name: Architectural Salvage Yard Location: 85, Pell Street, Reading, RG1 2NP Classification: Reclamation Centres Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	826	-	471645 172818
241	Contemporary Trade Directory Entries Name: Keyline Builders Merchants Location: Elgar Road, Reading, Berkshire, RG2 0BU Classification: Builders' Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	826	-	471470 172536
241	Contemporary Trade Directory Entries Name: Keyline Builders Merchants Location: Elgar Road, Reading, RG2 0BU Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	826	-	471470 172536
242	Contemporary Trade Directory Entries Name: Bonusprint Location: 3, Broad Street, Reading, RG1 2BH Classification: Photographic Processors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	831	-	471641 173427
242	Contemporary Trade Directory Entries Name: Sketchley Retail Ltd Location: 42, Market Place, Reading, RG1 2DE Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	857	-	471660 173447
242	Contemporary Trade Directory Entries Name: Norman Jordan Garage Location: 46, Market Place, Reading, Berkshire, RG1 2DT Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	864	-	471677 173423
243	Contemporary Trade Directory Entries Name: Bombardier Transportation Uk Ltd Location: 10, Church Street, Reading, RG1 2SD Classification: Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	842	-	471708 173021
244	Contemporary Trade Directory Entries Name: A M S Location: Friar Street, Reading, Berkshire, RG1 1DB Classification: Water Softeners Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SE (NE)	845	-	471562 173602
244	Contemporary Trade Directory Entries Name: Adrienne Henrey Location: 25, Harris Arcade, Reading, RG1 1DN Classification: Millinery Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	848	-	471561 173610
244	Contemporary Trade Directory Entries Name: Bench Mark Jewellers Location: 8, Harris Arcade, Reading, RG1 1DN Classification: Jewellery Manufacturers & Repairers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	852	-	471547 173635
244	Contemporary Trade Directory Entries Name: Precision Watches Location: 8, Harris Arcade, Reading, RG1 1DN Classification: Clocks & Watches - Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	852	-	471547 173635



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
245	Contemporary Trade Directory Entries Name: Shop At Panasonic Location: 19-23, Kings Walk, Reading, RG1 2HG Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	852	-	471688 173353
246	Contemporary Trade Directory Entries Name: Bombardier Transportation Location: Church St, Reading, Berkshire, RG1 2ST Classification: Railway Equipment Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	856	-	471711 172946
247	Contemporary Trade Directory Entries Name: Clinical Print Services Location: 52, Station Hill, Reading, RG1 1NF Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	864	-	471443 173766
248	Contemporary Trade Directory Entries Name: Electro Location: 345, Oxford Road, Reading, RG30 1AY Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	869	-	470010 173505
248	Contemporary Trade Directory Entries Name: Payless Ltd Location: 355, Oxford Road, Reading, Berkshire, RG30 1AY Classification: Firework Stockists Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	890	-	469987 173505
248	Contemporary Trade Directory Entries Name: The Printers Location: 355, Oxford Road, Reading, RG30 1AY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	890	-	469987 173505
249	Contemporary Trade Directory Entries Name: Etyres Location: Cow Lane, Reading, Berkshire, RG1 8NA Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	870	-	470432 173948
250	Contemporary Trade Directory Entries Name: Fast Cash 4 Scrap Cars Reading Aeg Location: Drayton, 81, Cardiff Road, Reading, RG1 8ES Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	884	-	470962 174035
251	Contemporary Trade Directory Entries Name: W L M G Reading Fiat Jeep Alpha Abarth Location: 25-27, Rose Kiln Lane, Reading, Berkshire, RG2 0JZ Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	890	-	471391 172382
251	Contemporary Trade Directory Entries Name: Sehmi Builders Merchants Location: Rose Kiln Lane, Reading, RG2 0ND Classification: Builders' Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	890	-	471391 172382
252	Contemporary Trade Directory Entries Name: Reading Drive In Ltd Location: 137-139, Cardiff Road, Reading, Berkshire, RG1 8JF Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	895	-	470796 174059
252	Contemporary Trade Directory Entries Name: Reading Drive In Ltd Location: 137-139, Cardiff Road, Reading, RG1 8JF Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	895	-	470796 174059



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
252	Contemporary Trade Directory Entries Name: A & T Autotech Location: 143, Cardiff Road, Reading, RG1 8JF Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	897	-	470766 174060
252	Contemporary Trade Directory Entries Name: G M D Mouldings Ltd Location: Dec House, 143-145, Cardiff Road, Reading, RG1 8JF Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	897	-	470766 174060
252	Contemporary Trade Directory Entries Name: Reading Body Works Location: Dec House, 145, Cardiff Road, Reading, RG1 8JF Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	900	-	470752 174062
252	Contemporary Trade Directory Entries Name: Kempress Aztec Ltd Location: 149, Cardiff Road, Reading, RG1 8JE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	901	-	470740 174063
252	Contemporary Trade Directory Entries Name: Kempress Aztec Location: 149, Cardiff Road, Reading, RG1 8JE Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	901	-	470740 174063
252	Contemporary Trade Directory Entries Name: Mark Allen Cars Location: 149, Cardiff Road, Reading, RG1 8JF Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	902	-	470740 174063
252	Contemporary Trade Directory Entries Name: Mark Allen Location: 149 Cardiff Road, Reading, Berkshire, RG1 8JE Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (N)	909	-	470742 174070
253	Contemporary Trade Directory Entries Name: Future Babies Location: 48, London Street, Reading, RG1 4SQ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	899	-	471768 173133
253	Contemporary Trade Directory Entries Name: B & T Business Machines Location: 50a, London Street, Reading, RG1 4SQ Classification: Office Equipment Servicing & Maintenance Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	900	-	471769 173123
253	Contemporary Trade Directory Entries Name: Garnay International Location: 54, London Street, Reading, Berkshire, RG1 4SQ Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	902	-	471772 173114
253	Contemporary Trade Directory Entries Name: Intascope Ltd Location: 54, London Street, Reading, Berkshire, RG1 4SQ Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	902	-	471772 173114
254	Contemporary Trade Directory Entries Name: Ringway (Internet Equipment) Location: 3, Cardiff Road, Reading, RG1 8ER Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A18NE (N)	901	-	471110 174014



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	Contemporary Trade Directory Entries Name: Pentagon Glass-Tech Location: Unit 3, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Window Tinting Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Harbor Precision Engineering Location: Unit 2, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Alchemy Foiling Location: Unit 3, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: B & H Motor Services Location: Unit 5, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: R D S Location: Unit 2, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Spray Works Location: Unit 5, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Car Painters & Sprayers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Spray Works Location: Unit 5, 151-155, Cardiff Road, Reading, Berkshire, RG1 8JR Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Holt Location: Unit 1, 151-155, Cardiff Road, Reading, Berkshire, RG1 8JR Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Alphabet Location: Unit 4, 151-155, Cardiff Road, Reading, Berkshire, RG1 8JR Classification: Printers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: B & H Motor Services Location: Unit 5, 151-155, Cardiff Road, Reading, RG1 8JR Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	913	-	470714 174072
255	Contemporary Trade Directory Entries Name: Adenville Ltd Location: 157, Cardiff Road, Reading, RG1 8JR Classification: Powder Coatings Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	922	-	470674 174076
255	Contemporary Trade Directory Entries Name: C L Church Location: 157 Cardiff Rd, Reading, Berkshire, RG1 8JR Classification: Wrought Ironwork Status: Inactive Positional Accuracy: Manually positioned to the address or location	A18NW (N)	922	-	470675 174076



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
255	Contemporary Trade Directory Entries Name: N R Engineering Ltd Location: 159, Cardiff Road, Reading, RG1 8JR Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	922	-	470676 174076
255	Contemporary Trade Directory Entries Name: United Recycling Services Location: Cardiff Rd, Reading, Berkshire, RG1 8PQ Classification: Recycling Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	932	-	470706 174090
256	Contemporary Trade Directory Entries Name: Office World Location: 65, Caversham Road, Reading, RG1 8AD Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	914	-	471218 173984
256	Contemporary Trade Directory Entries Name: Office World Location: 65, Caversham Road, Reading, Berkshire, RG1 8AD Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	914	-	471218 173984
256	Contemporary Trade Directory Entries Name: Oliver Matthews Location: 69, Caversham Road, Reading, RG1 8AD Classification: Furniture Manufacturers - Home & Office Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	945	-	471228 174013
257	Contemporary Trade Directory Entries Name: Pro-Clean Location: 85, Southampton Street, Reading, Berkshire, RG1 2QU Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NE (E)	915	-	471728 172787
257	Contemporary Trade Directory Entries Name: M V Cleaning Ltd Location: 87, Southampton Street, Reading, RG1 2QU Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (E)	929	-	471744 172789
257	Contemporary Trade Directory Entries Name: Intelligent Merchant Services Ltd Location: City Gate Business Park, Southampton Street, Reading, Berkshire, RG1 2QW Classification: Cash Registers & Check-Out Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (E)	946	-	471752 172762
258	Contemporary Trade Directory Entries Name: Perfect Spray Ltd Location: 45 Trafalgar Court, Southcote Road, Reading, RG30 2EN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A7NW (SW)	916	-	469993 172686
259	Contemporary Trade Directory Entries Name: Wessington Group Ltd Location: 3rd Floor, 17 Blagrove Street, Reading, Berkshire, RG1 1QB Classification: Chemicals - Distributors & Wholesalers Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	916	-	471620 173643
260	Contemporary Trade Directory Entries Name: Car Scraping Scrap Yards In Reading Location: 6-8, Market Place, Reading, RG1 2EG Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	471722 173462
261	Contemporary Trade Directory Entries Name: Biotechnica Services Ltd Location: 4, Kings Road, Reading, RG1 3AA Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	471750 173377



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
261	Contemporary Trade Directory Entries Name: Stan Chem International Ltd Location: 4, Kings Road, Reading, RG1 3AA Classification: Chemical Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	471750 173377
261	Contemporary Trade Directory Entries Name: Stan Chem (International) Ltd Location: 4, Kings Road, Reading, RG1 3AA Classification: Chemicals & Allied Products Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	471750 173377
261	Contemporary Trade Directory Entries Name: Stan Chem International Ltd Location: 4, Kings Road, READING, RG1 3AA Classification: Chemical Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	919	-	471750 173377
262	Contemporary Trade Directory Entries Name: Reg Vardy Plc Location: 29, Rose Kiln Lane, Reading, Berkshire, RG2 0ST Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (SE)	921	-	471244 172263
263	Contemporary Trade Directory Entries Name: Bobbys 2 Hour Dry Cleaners Location: 296, Oxford Road, Reading, RG30 1AD Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A17SW (NW)	926	-	469966 173547
263	Contemporary Trade Directory Entries Name: Minuteman Press Location: 367, Oxford Road, Reading, RG30 1HA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	926	-	469952 173514
263	Contemporary Trade Directory Entries Name: Colourfow Ltd Location: 365, Oxford Road, Reading, RG30 1HA Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17SW (NW)	926	-	469952 173514
264	Contemporary Trade Directory Entries Name: C P I Cox & Wyman Ltd Location: Cardiff Road, Reading, RG1 8EX Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NE (N)	929	-	470939 174083
265	Contemporary Trade Directory Entries Name: Hills Rubber Co 2018 Ltd Location: 161-163, Cardiff Road, Reading, RG1 8HD Classification: Rubber & Plastic Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	930	-	470649 174080
265	Contemporary Trade Directory Entries Name: R B Motors Location: Cardiff Rd, Reading, Berkshire, RG1 8HY Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A18NW (N)	938	-	470614 174081
265	Contemporary Trade Directory Entries Name: P L Auto Services Ltd Location: Cardiff Road, Reading, RG1 8HY Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	938	-	470614 174081
265	Contemporary Trade Directory Entries Name: T & T Print Finishers Location: 169-171, Cardiff Road, Reading, RG1 8HD Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	938	-	470614 174081



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
265	Contemporary Trade Directory Entries Name: Hmc Fleet Maintenance Centre Location: Cardiff Road, Reading, RG1 8HY Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	938	-	470614 174081
265	Contemporary Trade Directory Entries Name: P L Auto Services Location: 165-167, Cardiff Road, Reading, RG1 8HD Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	938	-	470614 174081
266	Contemporary Trade Directory Entries Name: Dairy Crest Ltd Location: Portman Road, Reading, RG30 1EA Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	930	-	470185 173854
266	Contemporary Trade Directory Entries Name: Kado Electronics Ltd Location: 1, Loverock Road, Reading, RG30 1DZ Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	930	-	470185 173854
266	Contemporary Trade Directory Entries Name: Quick Circuits Location: 1, Loverock Road, Reading, RG30 1DZ Classification: Printed Circuit Services Status: Active Positional Accuracy: Automatically positioned to the address	A17NE (NW)	930	-	470185 173854
266	Contemporary Trade Directory Entries Name: Business Seating & Desking Location: Unit 1, Loverock Rd Trading Est, Reading, Berkshire, RG30 1DZ Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	931	-	470184 173854
266	Contemporary Trade Directory Entries Name: Dairy Crest Location: Portman Road, Reading, RG30 1EA Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	932	-	470186 173857
267	Contemporary Trade Directory Entries Name: First Great Western Link Location: 37-43, Blagrove Street, Reading, RG1 1PZ Classification: Railways Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	931	-	471603 173692
267	Contemporary Trade Directory Entries Name: Thames Trains Ltd Location: 37-43, Blagrove Street, Reading, RG1 1PZ Classification: Railways Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	931	-	471603 173692
267	Contemporary Trade Directory Entries Name: Thames Trains Location: 37-43, Blagrove Street, Reading, RG1 1PZ Classification: Railways Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	931	-	471603 173692
268	Contemporary Trade Directory Entries Name: Presto Print Ltd Location: 3, London Street, Reading, RG1 4PN Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	932	-	471787 173277
269	Contemporary Trade Directory Entries Name: Beechstone Paving Location: Cow La, Reading, Berkshire, RG1 8NA Classification: Builders' Merchants Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17NE (NW)	934	-	470352 173978



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
270	Contemporary Trade Directory Entries Name: Ephy Location: Ephy, Reading, Berkshire, RG1 8NA Classification: Electrical Heating Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	935	-	470397 174003
270	Contemporary Trade Directory Entries Name: Chrysalis Rail Location: Cow La, Reading, Berkshire, RG1 8NA Classification: Railways Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	935	-	470397 174003
270	Contemporary Trade Directory Entries Name: Etyres Location: Cow La, Reading, Berkshire, RG1 8NA Classification: Tyre Dealers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	935	-	470397 174003
271	Contemporary Trade Directory Entries Name: Repair & Cal Ltd Location: 1, Weighbridge Row, Cardiff Road, Reading, Berkshire, RG1 8LX Classification: Electronic Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	940	-	470749 174102
271	Contemporary Trade Directory Entries Name: Cyrus Accident Repair Centre Location: 64, Cardiff Road, Reading, RG1 8LL Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	946	-	470796 174110
271	Contemporary Trade Directory Entries Name: Rivermead Accident & Repair Centre Ltd Location: 64, Cardiff Road, Reading, RG1 8LL Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	946	-	470796 174110
272	Contemporary Trade Directory Entries Name: C & M Refrigeration & Catering Equipment Location: Reading Business Centre, 33, London Street, Reading, Berkshire, RG1 4PS Classification: Refrigeration Equipment - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	940	-	471807 173170
272	Contemporary Trade Directory Entries Name: Lidimus Location: Reading Business Centre, 33, London Street, Reading, RG1 4PS Classification: Toys, Games & Sporting Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	940	-	471807 173170
273	Contemporary Trade Directory Entries Name: Minerva International Ltd Location: 86, London Street, Reading, RG1 4SQ Classification: Machine Tools - Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	941	-	471806 173012
274	Contemporary Trade Directory Entries Name: Octavia Design Ltd Location: Sussex House, 6, The Forbury, Reading, RG1 3EJ Classification: Toys, Games & Sporting Goods - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SE (NE)	946	-	471724 173522
275	Contemporary Trade Directory Entries Name: Cheapest Carpet Cleaning Location: Dukesbridge House, 23, Duke Street, Reading, RG1 4SA Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	951	-	471795 173333
275	Contemporary Trade Directory Entries Name: Cheapest Cleaning Services Location: Dukesbridge House, 23, Duke Street, Reading, RG1 4SA Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	951	-	471795 173333



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
275	Contemporary Trade Directory Entries Name: Scrap Cars Vans Caravans Buyer Location: Dukesbridge House, 23, Duke Street, Reading, RG1 4SA Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	951	-	471795 173333
275	Contemporary Trade Directory Entries Name: Lincoln Maritime Ltd Location: 21, Duke Street, Reading, RG1 4SA Classification: Freight Forwarders Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	951	-	471795 173333
275	Contemporary Trade Directory Entries Name: One Stop Shop Awnings Location: 23, Duke Street, Reading, Berkshire, RG1 4SA Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14NE (E)	951	-	471795 173333
275	Contemporary Trade Directory Entries Name: Car & Van Deals Direct Location: Dukesbridge House, 23, Duke Street, Reading, RG1 4SA Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	951	-	471795 173333
275	Contemporary Trade Directory Entries Name: Forest Printing Location: 16, Kings Road, Reading, RG1 3AA Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	967	-	471802 173371
276	Contemporary Trade Directory Entries Name: Adams Auto Location: 173, Cardiff Road, Reading, RG1 8HD Classification: Car Customisation & Conversion Specialists Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	955	-	470579 174091
276	Contemporary Trade Directory Entries Name: P L Auto ServicesLtd Location: Cardiff Rd, Reading, Berkshire, RG1 8HY Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	974	-	470579 174110
277	Contemporary Trade Directory Entries Name: Printing.Com Location: 67 London Street, Reading, Berkshire, RG1 4QA Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	957	-	471826 173061
278	Contemporary Trade Directory Entries Name: Shadow Supplies Metal Working Location: 6, Barrett Court, 70, Cardiff Road, Reading, RG1 8ED Classification: Metal Workers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	961	-	470740 174122
278	Contemporary Trade Directory Entries Name: Direct Distribution Services Location: 2, Barrett Court, 70, Cardiff Road, Reading, RG1 8ED Classification: Distribution Services Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	969	-	470699 174127
279	Contemporary Trade Directory Entries Name: Metal-Pro Location: 177, Cardiff Road, READING, RG1 8HD Classification: Metal Products - Fabricated Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	964	-	470558 174094
279	Contemporary Trade Directory Entries Name: C R Services Ltd Location: 181 Cardiff Road, Reading, Berkshire, RG1 8HD Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	973	-	470537 174098



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
279	Contemporary Trade Directory Entries Name: Unimet Enamellers Ltd Location: 181-183, Cardiff Road, Reading, RG1 8HD Classification: Enamelling Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	985	-	470511 174103
279	Contemporary Trade Directory Entries Name: Unimet Enamellers Location: 181-183, Cardiff Road, Reading, Berkshire, RG1 8HD Classification: Enamelling Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	985	-	470511 174103
280	Contemporary Trade Directory Entries Name: Tivall Europe B V Location: 106, London Street, Reading, RG1 4SJ Classification: Frozen Food Processors & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	968	-	471827 172960
280	Contemporary Trade Directory Entries Name: Radiotronics Two Way Radio Sales & Hire Location: London Street, Reading, Berkshire, RG1 4QA Classification: Radio Communication Equipment Status: Active Positional Accuracy: Manually positioned within the geographical locality	A15SW (E)	996	-	471857 172975
281	Contemporary Trade Directory Entries Name: Tea People Location: Prince of Wales House 54a, Prince of Wales Avenue, Reading, RG30 2UH Classification: Food Products - Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	969	-	469854 173326
281	Contemporary Trade Directory Entries Name: T S D Motors Location: 33a, Prince of Wales Avenue, Reading, RG30 2UH Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A12NW (W)	981	-	469837 173297
282	Contemporary Trade Directory Entries Name: Scrap Car Cash Location: Britten Road, Reading, Berkshire, RG2 0AT Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SE (SE)	971	-	471574 172435
283	Contemporary Trade Directory Entries Name: Drews The Ironmongers Location: 71-73, Caversham Road, Reading, RG1 8JA Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	971	-	471236 174038
283	Contemporary Trade Directory Entries Name: Coffey International Ltd Location: 1, Northfield Road, Reading, RG1 8AH Classification: Engineering Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (N)	976	-	471209 174056
284	Contemporary Trade Directory Entries Name: P B E Marking Systems Location: Unit 5 Barrett Court, 70 Cardiff Road, Reading, Berkshire, RG1 8ED Classification: Screen Process Printers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	972	-	470690 174129
284	Contemporary Trade Directory Entries Name: Pretech Location: 1, Barrett Court, 70, Cardiff Road, Reading, RG1 8ED Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A18NW (N)	972	-	470690 174129
285	Contemporary Trade Directory Entries Name: Itron Ltd Location: Kiln Brook House, Rose Kiln Lane, Reading, RG2 0BY Classification: Meter Manufacturers & Suppliers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	974	-	471264 172213



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
286	Contemporary Trade Directory Entries Name: Spurlite Location: Unit 1, 6, Portman Road, Reading, RG30 1EA Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	979	-	470137 173876
286	Contemporary Trade Directory Entries Name: Astral Cleaning Services Ltd Location: Unit 2, 6, Portman Road, Reading, RG30 1EA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A17NW (NW)	979	-	470137 173876
286	Contemporary Trade Directory Entries Name: Pierlite Uk Ltd Location: Unit 1, 6, Portman Road, Reading, Berkshire, RG30 1EA Classification: Lighting Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	979	-	470137 173876
286	Contemporary Trade Directory Entries Name: Parsons Metals Location: 3, Loverock Road, Reading, RG30 1NL Classification: Scrap Metal Merchants Status: Active Positional Accuracy: Automatically positioned to the address	A17NW (NW)	982	-	470158 173898
286	Contemporary Trade Directory Entries Name: Sims Location: 3, Loverock Road, Reading, RG30 1NL Classification: Scrap Metal Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NW (NW)	982	-	470158 173898
286	Contemporary Trade Directory Entries Name: The Alexander Location: Unit 2,6 Portman Road, Reading, Berkshire, RG30 1EA Classification: Commercial Cleaning Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17NW (NW)	989	-	470130 173883
287	Contemporary Trade Directory Entries Name: Spacecraft Location: Commercial House, 24-26, East Street, Reading, RG1 4QH Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A15SW (E)	982	-	471851 173107
288	Contemporary Trade Directory Entries Name: Railair Reading Location: Station Approach, Reading, RG1 1LZ Classification: Bus & Coach Operators & Stations Status: Active Positional Accuracy: Automatically positioned to the address	A19NE (NE)	985	-	471539 173841
289	Contemporary Trade Directory Entries Name: Berkshire Independent Hospital Location: Swallowscroft, Wensley Road, Reading, RG1 6UZ Classification: Hospitals Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	986	-	470407 172214
289	Contemporary Trade Directory Entries Name: The Berkshire Independent Hospital Location: Berkshire Independent Hospital, Wensley Road, Reading, RG1 6UZ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	986	-	470407 172214
289	Contemporary Trade Directory Entries Name: Ramsay Healthcare Uk Location: Berkshire Independent Hospital, Wensley Road, Coley Park, Reading, Berkshire, RG1 6UZ Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A7SE (SW)	986	-	470407 172214



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
289	Contemporary Trade Directory Entries Name: Berkshire Private Anaesthesia Location: Wensley Rd, Reading, Berkshire, RG1 6UZ Classification: Hospitals Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7SE (SW)	986	-	470407 172214
290	Contemporary Trade Directory Entries Name: Ephy Location: Cow Lane, Reading, Berkshire, RG1 8NA Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A17NE (NW)	987	-	470269 173990
290	Contemporary Trade Directory Entries Name: Advance Services & Solutions Location: Key House, Cow Lane, READING, RG1 8NA Classification: Recycling Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A17NE (NW)	987	-	470269 173990
291	Contemporary Trade Directory Entries Name: C F M Engineering Location: Unit 21-23, Milford Road, Reading, RG1 8LG Classification: Engine Rebuilding & Reconditioning Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	989	-	470859 174152
291	Contemporary Trade Directory Entries Name: Car & Motor Sports Services Location: Unit 21-23, Milford Road, Reading, RG1 8LG Classification: Car Engine Tuning & Diagnostic Services Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	989	-	470859 174152
291	Contemporary Trade Directory Entries Name: C F M Engineering Ltd Location: Unit 21, Milford Road, Reading, RG1 8LG Classification: Engine Rebuilding & Reconditioning Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	989	-	470859 174152
291	Contemporary Trade Directory Entries Name: Merchant House Location: Unit 23, Milford Road, Reading, RG1 8LG Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	990	-	470855 174153
291	Contemporary Trade Directory Entries Name: Trakwerks Location: Unit 23, Milford Road, Reading, RG1 8LG Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	990	-	470855 174153
291	Contemporary Trade Directory Entries Name: Body Vision Location: Unit 25, Milford Road, Reading, RG1 8LG Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A23SE (N)	991	-	470848 174154
291	Contemporary Trade Directory Entries Name: Sevenash Printing & Graphics Ltd Location: Unit 25, Milford Road, Reading, RG1 8LG Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	991	-	470848 174154
291	Contemporary Trade Directory Entries Name: Finish It Location: Unit 27, Milford Road, Reading, RG1 8LG Classification: Print Finishers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SE (N)	993	-	470842 174156
292	Contemporary Trade Directory Entries Name: High Q Location: 71, Elm Park Road, Reading, RG30 2TP Classification: Tyre Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	989	-	469846 173391



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
293	Contemporary Trade Directory Entries Name: Chestermans Garage Location: A, 1, Chesterman Street, Reading, RG1 2PR Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	990	-	471740 172633
294	Contemporary Trade Directory Entries Name: Pest Solutions Ltd Location: Davidson House, The Forbury, Reading, Berkshire, RG1 3EU Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	994	-	471798 173471
294	Contemporary Trade Directory Entries Name: Beautiful Group Ltd Location: Davidson House, The Forbury, Reading, RG1 3EU Classification: Ironing & Home Laundry Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	994	-	471798 173471
294	Contemporary Trade Directory Entries Name: Forewind Ltd Location: Davidson House, The Forbury, Reading, RG1 3EU Classification: Windmills & Wind Power Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	994	-	471798 173471
294	Contemporary Trade Directory Entries Name: Scrap Cars Vans Caravans Buyer Location: Davidson House, The Forbury, Reading, RG1 3EU Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	994	-	471798 173471
294	Contemporary Trade Directory Entries Name: Dr Boilers Location: Davidson House, Forbury Square, The Forbury, Reading, RG1 3EU Classification: Boilers - Servicing, Replacements & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	994	-	471798 173471
295	Contemporary Trade Directory Entries Name: Wildlife Control Services Location: 13, Upper Crown Street, Reading, RG1 2SS Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (E)	996	-	471806 172765
296	Contemporary Trade Directory Entries Name: Fish Bros Suzuki Location: Unit 4B, Rose Kiln Lane, Reading, RG2 0JZ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	998	-	471409 172264
296	Contemporary Trade Directory Entries Name: Fish Bros Location: Unit 4B, Rose Kiln Lane, Reading, Berkshire, RG2 0JZ Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	998	-	471409 172264
297	Contemporary Trade Directory Entries Name: Silvey Joinery Location: Unit 41, Milford Road, Reading, RG1 8LG Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A23SW (N)	1000	-	470798 174164
298	Fuel Station Entries Name: Tilehurst Sf Connect Location: Tilehurst Road, Reading, Reading, RG1 7TW Brand: BP Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13SW (SW)	169	-	470665 173017



Industrial Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
299	Fuel Station Entries Name: Welldale Service Station Location: Chatham Street , , Reading, Reading, RG1 7JF Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A18SE (NE)	378	-	471025 173477
300	Fuel Station Entries Name: Parsons Garage Location: 211-221, Oxford Road , , Reading, Reading, RG1 7PX Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A12NE (NW)	396	-	470498 173408
301	Fuel Station Entries Name: Krisco Reading Service Station Location: 150, Oxford Road , , Reading, Reading, RG1 7PJ Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A12NE (NW)	451	-	470465 173455
302	Fuel Station Entries Name: Berkeley Service Station Location: 10, Berkeley Avenue , , Reading, Reading, RG1 6JE Brand: ESSO Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A8NE (S)	486	-	470987 172633
303	Fuel Station Entries Name: Save Reading Location: Berkeley Avenue , , Reading, Reading, RG1 6JS Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the address or location	A8NE (SE)	587	-	471113 172570
304	Fuel Station Entries Name: Cardiff Road Service Station Location: 165-7, Cardiff Road , , Reading, Reading, RG1 8HY Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Automatically positioned to the address	A18NW (N)	938	-	470614 174081
304	Fuel Station Entries Name: Brs Southern Location: Cardiff Road , , Reading, Reading, RG1 8HW Brand: Obsolete Premises Type: Not Applicable Status: Obsolete Positional Accuracy: Manually positioned to the road within the address or location	A18NW (N)	973	-	470583 174110



Sensitive Land Use

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
305	Nitrate Vulnerable Zones Name: Thames Wallingford To Caversham Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SW (W)	0	4	470833 173129

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Reading Borough Council - Environmental Health Department Wokingham District Council - Environmental Health Department South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department	April 2014 February 2013 January 2015 November 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Thames Region	July 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Thames Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Thames Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region	July 2019 July 2019	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2015 October 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2015 October 2014	Annual Rolling Update Not Applicable Not Applicable Not Applicable
Local Authority Pollution Prevention and Control Enforcements South Oxfordshire District Council - Environmental Health Department Wokingham District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Reading Borough Council - Environmental Health Department	June 2014 June 2014 June 2015 October 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Thames Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Thames Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Thames Region	June 2016	
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 Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	July 2019 July 2019 July 2019	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Thames Region	July 2019	Quarterly



Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Thames Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	Annually
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	Annually
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	July 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2019	Quarterly
Flood Defences Environment Agency - Head Office	August 2019	Quarterly
OS Water Network Lines Ordnance Survey	April 2019	Quarterly
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually



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	July 2019	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 Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	July 2018 July 2018 July 2018	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - West Thames Area Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	July 2019 July 2019 July 2019	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Wokingham District Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Oxfordshire County Council Reading Borough Council - Planning South Oxfordshire District Council - Environmental Health Department West Berkshire Council - Environmental Health Department Wokingham District Council - Environmental Health Department	May 2000 May 2000 May 2000 May 2000 October 2005	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Registered Landfill Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Thames Region - South East Area Environment Agency - Thames Region - West Area	March 2003 March 2003	Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Oxfordshire County Council South Oxfordshire District Council - Planning Department (West) West Berkshire Council Wokingham District Council Reading Borough Council - Planning	February 2016 February 2016 February 2016 February 2016 May 2016	Variable Variable Variable Variable Variable
Planning Hazardous Substance Consents Oxfordshire County Council South Oxfordshire District Council - Planning Department (West) West Berkshire Council Wokingham District Council Reading Borough Council - Planning	February 2016 February 2016 February 2016 February 2016 May 2016	Variable Variable Variable Variable Variable
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	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	Annual Rolling Update
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	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	May 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Underground Electrical Cables National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Adopted Green Belt South Oxfordshire District Council Wokingham District Council	March 2019 March 2019	As notified As notified
Areas of Unadopted Green Belt South Oxfordshire District Council Wokingham District Council	March 2019 March 2019	As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	June 2019	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually

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	 British Geological Survey NATURAL ENVIRONMENT RESEARCH COUNCIL
Centre for Ecology and Hydrology	 Centre for Ecology & Hydrology NATURAL ENVIRONMENT RESEARCH COUNCIL
Natural Resources Wales	
Scottish Natural Heritage	
Natural England	
Public Health England	
Ove Arup	
Peter Brett Associates	



Useful Contacts

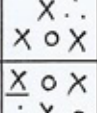
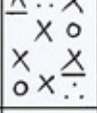
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Reading Borough Council - Environmental Health Department Civic Centre, Reading, Hampshire, RG1 7DT	Telephone: 0118 939 9099 Fax: 0118 958 9770 Website: www.reading.gov.uk
3	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Reading Borough Council - Planning Civic Centre, READING, Hampshire, RG1 7TD	Telephone: 0118 939 0900 Fax: 0118 958 9770 Website: www.reading.gov.uk
7	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
8	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
-	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

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



APPENDIX 3
CONTINUOUS FLIGHT AUGER BOREHOLE LOGS

Borehole No: 1		Sheet: 1 of 1		SOIL INVESTIGATION EASTERN LIMITED Tel/Fax 01245 237555 Mobile 07810 820620					
		Job No: ZB3346							
Boring Method: 100mmø CFA		Date: 16/07/2019							
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.					
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type	Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TARMAC.	40							
40	MADE GROUND: Medium compact, dark grey, gravelly, sandy, SILT, with numerous pieces of brick & clinker & tarmac rubble.	260		•	Tub & Jar		300	200 Numerous roots of live appearance to 10mmø to	
300	MADE GROUND: Loose, dark brown, gravelly, sandy, clayey, SILT, with brick fragments.	800		•	I	9 8 10 10	1.0	600 Numerous roots of live appearance to 3mmø to	
1.1	Loose, mid brown, mottled orange, clayey, sandy, SILT, with occasional fine & medium gravel.	1.6		•			1.5	1.3 Numerous roots of live appearance to 1mmø to 2.2m.	
2.7	Medium dense to dense, mid brown, mottled grey, gravelly, very silty, fine & medium SAND.	1.1		•	I	7 8 8 9	2.0	No roots observed below 2.2m.	
3.8	Medium dense, mid brown, mottled orange, gravelly, clayey, sandy, SILT.	400		•	I	40 50 50 50(10mm)	3.0		
4.2	Very stiff, mid brown, mottled orange, gravelly, sandy, very silty, CLAY.	200		•	I	31 42 42 40	4.0		
4.4	Dense, mid brown/orange, silty, sandy, fine, medium & coarse GRAVEL.	1.6		•	I	36 29 47 50	5.0		
6.0	Borehole ends at 6.0m. Too dense for drill to penetrate.			•	I Too Dense To Drive.		6.0		
Remarks: Borehole dry & open on completion.				Key: • Small disturbed sample B Bulk disturbed sample U Undisturbed sample(U100) W Water sample J Jar sample V Pilcon Vane (kPa) I Mackintosh Probe S Standard penetration test N SPT blow count					

Borehole No: 2		Sheet: 1 of 1		SOIL INVESTIGATION EASTERN LIMITED Tel/Fax 01245 237555 Mobile 07810 820620					
		Job No: ZB3346							
Boring Method: 100mmø CFA		Date: 16/07/2019							
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.					
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type	Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TARMAC.	50							
50	MADE GROUND: Medium compact, dark grey, gravelly, sandy, SILT, with brick & clinker rubble.	150		•	Tub & Jar		200	300	
200	MADE GROUND: Loose, mid brown, gravelly, sandy, SILT, with numerous pieces of brick rubble.	900		•	I	2 5 5 7	1.0	Numerous roots of live appearance to 5mmø to	
1.1	Loose, mid brown, mottled orange, gravelly, sandy, SILT, with lenses of clay.	1.1		•			1.5	600	
2.2	Medium dense, mid brown, mottled orange, gravelly, sandy, SILT, with lenses of clay.	2.1		•	I	23 13 19 22	2.0	Numerous roots of live appearance to 3mmø to	
4.3	Medium dense, mid brown, mottled orange, gravelly, clayey, sandy, SILT.	1.4		•			2.5	1.4	
5.7	Medium dense, pungent (suspected Naphthalene), gravelly, clayey, sandy, SILT.	1.1		•	I	31 34 39 40	3.0	Numerous roots of live appearance to 1mmø to 1.7m.	
6.8	Medium dense, mid brown, mottled orange, gravelly, sandy, clayey, SILT.	6.4		•	I	41 37 44 50	4.0	No roots observed below 1.7m.	
13.2	Borehole ends at 13.2m. Obstruction, too dense for drill to penetrate. Standpipe installed at 8.6m.			•	Tub & Jar		6.0		
				•	I	20 30 41 50	6.0		
				•	I	22 39 41 47	8.0		
				•	I	20 39 47 50	10.0		
				•	I	34 39 49	12.0		
						50(30mm)			
Remarks: Borehole collapsing from 8.6m. Gas Monitoring Standpipe installed from Ground Level to 8.6m, using 7.6m of slotted standpipe, and 1.0m of plain standpipe b.g.l. Backfilled with 7.6m of gravel, 600mm of bentonite pellets, and a 400mm concrete collar installed. A standpipe cap with gas taps installed.				Key: • Small disturbed sample V Pilcon Vane (kPa) B Bulk disturbed sample I Mackintosh Probe U Undisturbed sample(U100) S Standard W Water sample penetration test J Jar sample N SPT blow count					

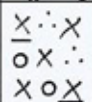
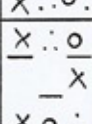
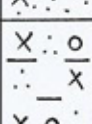
Borehole No: 3		Sheet: 1 of 1		SOIL INVESTIGATION EASTERN LIMITED Tel/Fax 01245 237555 Mobile 07810 820620				
		Job No: ZB3346						
Boring Method: 100mmø CFA		Date: 16/07/2019						
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TARMAC.	70						
70	MADE GROUND: Medium compact, dark grey, gravelly, sandy, SILT, with brick & clinker rubble.	230		•	Tub & Jar	400		
300	MADE GROUND: Loose, mid brown, gravelly, clayey, sandy, SILT, with brick fragments.	600		•	I	17	200	
900	Medium dense, mid brown, mottled orange, gravelly, very sandy, SILT.	900		•		31	Numerous roots of live appearance to 10mmø to	
1.8	Medium dense, mid brown/orange, gravelly, sandy, SILT, with lenses of clay.	900		•	I	31		
2.7	Medium dense to dense, mid brown, mottled orange, gravelly, very silty, fine & medium SAND.	2.1		•		40		
4.8	Medium dense to dense, mid brown, mottled orange, clayey, gravelly, very sandy, SILT.	600		•	I	27	500	
5.4	Very stiff, mid brown, mottled orange, gravelly, sandy, very silty, CLAY.	1.9		•		39	Numerous roots of live appearance to 3mmø to	
7.3	Moist white CHALK (recovered as putty chalk), with numerous chalk nodules & medium flints.	3.1		•	50(30mm)	49	1.4	
10.4	Moist white CHALK (recovered as putty chalk), with numerous chalk nodules & medium to large flints.	1.6		•	I	41	Numerous roots of live appearance to 1mmø to 1.7m.	
12.0	Borehole ends at 12.0m.			•	50(30mm) Too Dense To Drive.	50	No roots observed below 1.7m.	
				•	I T.D.T.D.	4.0		
				•	I T.D.T.D.	5.0		
				•	I	47		
				•	I	50		
				•	I	50		
				•	50(40mm)			
				•	I	30		
				•	I	29		
				•	I	29		
				•	I	29		
				•	I	20		
				•	I	21		
				•	I	31		
				•	I	50		
				•	I	42		
				•	I	50		
				•	I	50		
				•	I	50		

Remarks: Borehole collapsing from 8.8m.	Key: • Small disturbed sample - B Bulk disturbed sample - U Undisturbed sample(U100) - W Water sample - J Jar sample - V Pilcon Vane (kPa) - I Mackintosh Probe - S Standard penetration test - N SPT blow count
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Remarks: Borehole collapsing from 8.8m.

Key:

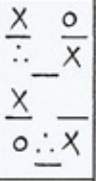
- Small disturbed sample
- B Bulk disturbed sample
- U Undisturbed sample(U100)
- W Water sample
- J Jar sample
- V Pilcon Vane (kPa)
- I Mackintosh Probe
- S Standard penetration test
- N SPT blow count

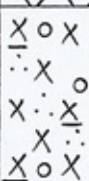
Borehole No: 4		Sheet: 1 of 1		SOIL INVESTIGATION EASTERN LIMITED Tel/Fax 01245 237555 Mobile 07810 820620				
		Job No: ZB3346						
Boring Method: 100mmø CFA		Date: 16/07/2019						
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TARMAC.	80						
80	MADE GROUND: Medium compact, dark brown, gravelly, sandy, SILT, with numerous pieces of brick rubble.	720		•	Tub & Jar	300	200	
800	Medium dense, mid brown, mottled orange, clayey, gravelly, sandy, SILT.	500		•	I 50 50(10mm) 50(10mm) 50(10mm)	1.0	Numerous roots of live appearance to 3mmø to	
1.3	Medium dense to dense, mid brown, mottled orange, gravelly, silty, fine & medium SAND.	1.1		•	I 39 50(20mm) 50(10mm) 50(10mm)	1.5 2.0	600 Numerous roots of live appearance to 1mmø to 900mm.	
2.4	Very stiff, mid brown, mottled orange, gravelly, sandy, very silty, CLAY.	900		•		2.5	No roots observed below 900mm.	
3.3	Medium dense, mid brown/orange, very silty, fine SAND, with lenses of clay.	2.2		•	I 43 50(30mm) 50(10mm) 50(10mm)	3.0 4.0		
5.5	Very stiff, mid brown, mottled orange, gravelly, very silty, very sandy, CLAY.	900		•	I 50(10mm) Too Dense To Drive.	5.0		
6.4	Moist white CHALK (recovered as putty chalk), with numerous chalk nodules & medium flints.	2.8		•	I 50 50(40mm) 50(10mm) 50(10mm)	6.0		
9.2	Moist white CHALK (recovered as putty chalk), with numerous chalk nodules & medium to large flints.	2.8		•	I 27 37 48 50	8.0		
12.0	Borehole ends at 12.0m. Standpipe installed at 6.0m.			•	I 40 50 50(10mm) 50(10mm)	10.0 12.0		
Remarks: Borehole dry & open on completion. Borehole backfilled to 6.0m. Gas Monitoring Standpipe installed from Ground Level to 6.0m, using 5.0m of slotted standpipe, and 1.0m of plain standpipe b.g.l. Backfilled with 5.0m of gravel, 600mm of bentonite pellets, and a 400mm concrete collar installed. A standpipe cap with gas taps installed.				Key: • Small disturbed sample V Pilcon Vane (kPa) B Bulk disturbed sample I Mackintosh Probe U Undisturbed sample(U100) S Standard penetration test W Water sample N SPT blow count J Jar sample				

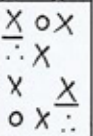


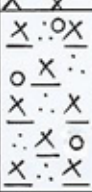
APPENDIX 4
HAND DUG TRIAL PIT LOGS

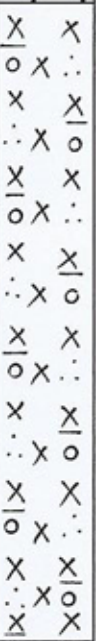
Trial Pit No: 1		Sheet: 1 of 1		SOIL INVESTIGATION EASTERN LIMITED Tel/Fax 01245 237555 Mobile 07810 820620					
		Job No: ZB3346							
Boring Method: Hand Tools		Date: 16/07/2019							
Client: ZBU Enterprises Holdings Ltd.					Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)	
G.L.	TARMAC, over MADE GROUND: Medium compact, gravelly, sandy, SILT, with brick fragments.	300		•	Tub & Jar	200	100 Numerous roots of live appearance to 10mmø to		
300	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with occasional small brick fragments.	300							
600	MADE GROUND: Moist white CHALK, with hard white chalk nodules & flint.	200					600 Numerous roots of live appearance to 2mmø to 1050mm.		
800	MADE GROUND: Medium compact, orange brown, gravelly, sandy, SILT, with occasional small brick fragments.	150							
950	Orange brown, gravelly, sandy, clayey, SILT.	100							
1050	Trial Pit ends at 1050mm.								
Remarks: Trial Pit moist at base & open on completion.					Key: • Small disturbed sample V Pilcon Vane (kPa) B Bulk disturbed sample I Mackintosh Probe U Undisturbed sample(U100) S Standard penetration test W Water sample N SPT blow count J Jar sample				

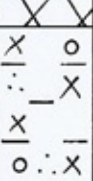
Trial Pit No: 2		Sheet: 1 of 1		 Tel/Fax 01245 237555 Mobile 07810 820620				
		Job No: ZB3346						
Boring Method: Hand Tools		Date: 16/07/2019						
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	CONCRETE.	100						
100	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with brick fragments, glass, polythene & small pieces of polystyrene.	200		•	Tub & Jar	100	100 Numerous roots of live appearance to 20mmø to	
300	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with occasional small brick fragments.	600					800 Numerous roots of live appearance to 2mmø to 1.0m.	
900	Orange brown, gravelly, sandy, very silty, CLAY.	100						
1.0	Trial Pit ends at 1.0m.							
Remarks: Trial Pit dry & open on completion.				Key: • Small disturbed sample V Pilcon Vane (kPa) B Bulk disturbed sample I Mackintosh Probe U Undisturbed sample(U100) S Standard penetration test W Water sample N SPT blow count J Jar sample				

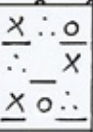
Trial Pit No: 3		Sheet: 1 of 1			 Tel/Fax 01245 237555 Mobile 07810 820620																							
		Job No: ZB3346																										
Boring Method: Hand Tools		Date: 16/07/2019																										
Client: ZBU Enterprises Holdings Ltd.					Site: 57 Baker Street, Reading.																							
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)																				
G.L.	TARMAC, over MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with brick rubble & limestone gravel.	300		•	Tub & Jar	300	100 Numerous roots of live appearance to 6mmø to																					
300	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with small brick fragments & ash.	600																										
900	Orange brown, gravelly, clayey, sandy, SILT.	100																										
1.0	Trial Pit ends at 1.0m.																											
Remarks: Trial Pit dry & open on completion.					Key: <table border="0"> <tr> <td>•</td><td>Small disturbed sample</td> <td>V</td><td>Pilcon Vane (kPa)</td> </tr> <tr> <td>B</td><td>Bulk disturbed sample</td> <td>I</td><td>Mackintosh Probe</td> </tr> <tr> <td>U</td><td>Undisturbed sample(U100)</td> <td>⊞</td><td>Standard penetration test</td> </tr> <tr> <td>W</td><td>Water sample</td> <td>N</td><td>SPT blow count</td> </tr> <tr> <td>J</td><td>Jar sample</td> <td></td><td></td> </tr> </table>				•	Small disturbed sample	V	Pilcon Vane (kPa)	B	Bulk disturbed sample	I	Mackintosh Probe	U	Undisturbed sample(U100)	⊞	Standard penetration test	W	Water sample	N	SPT blow count	J	Jar sample		
•	Small disturbed sample	V	Pilcon Vane (kPa)																									
B	Bulk disturbed sample	I	Mackintosh Probe																									
U	Undisturbed sample(U100)	⊞	Standard penetration test																									
W	Water sample	N	SPT blow count																									
J	Jar sample																											

Trial Pit No: 4		Sheet: 1 of 1			 Tel/Fax 01245 237555 Mobile 07810 820620				
		Job No: ZB3346							
Boring Method: Hand Tools		Date: 16/07/2019							
Client: ZBU Enterprises Holdings Ltd.					Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type	Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TARMAC, over MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with hardcore, brick & carbon fragments.	300						100 Occasional roots of live appearance to 2mmø to	
300	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with small brick, mortar & carbon fragments.	800		•	Tub & Jar		500	600 Occasional hair & fibrous roots to 1.2m.	
1.1	Orange brown, gravelly, clayey, sandy, SILT.	100							
1.2	— Trial Pit ends at 1.2m. —								
Remarks: Trial Pit moist at base & open on completion.					Key: • Small disturbed sample - B Bulk disturbed sample - U Undisturbed sample(U100) - W Water sample - J Jar sample - V Pilcon Vane (kPa) - I Mackintosh Probe - Standard penetration test - N SPT blow count				

Trial Pit No: 5		Sheet: 1 of 1		 Tel/Fax 01245 237555 Mobile 07810 820620				
		Job No: ZB3346						
Boring Method: Hand Tools		Date: 16/07/2019						
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	TARMAC, over MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with brick rubble.	400		•	Tub & Jar	400	100 Occasional roots of live appearance to 3mmø to	
400	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with small brick & carbon fragments, mortar & chalk nodules.	500						
900	Orange brown, gravelly, very sandy, very silty, CLAY/clayey, sandy, SILT.	100						
1.0	Trial Pit ends at 1.0m.							
Remarks: Trial Pit dry & open on completion.				Key: • Small disturbed sample - B Bulk disturbed sample - U Undisturbed sample(U100) - W Water sample - J Jar sample - V Pilcon Vane (kPa) - I Mackintosh Probe - S Standard penetration test - N SPT blow count				

Trial Pit No: 6		Sheet: 1 of 1		 Tel/Fax 01245 237555 Mobile 07810 820620					
		Job No: ZB3346							
Boring Method: Hand Tools		Date: 16/07/2019							
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.					
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type	Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	CONCRETE.	150						100 Occasional roots of live appearance to 1mmø to 600mm.	
150	MADE GROUND: Medium compact, brick rubble & hardcore.	100							
250	Orange brown, gravelly, clayey, sandy, SILT.	350		•	Tub & Jar		300		
600	— Trial Pit ends at 600mm. —								
Remarks: Trial Pit moist at base & open on completion.				Key: • Small disturbed sample V Pilcon Vane (kPa) B Bulk disturbed sample I Mackintosh Probe U Undisturbed sample(U100) S Standard W Water sample penetration test J Jar sample N SPT blow count					

Trial Pit No: 7		Sheet: 1 of 1		 Tel/Fax 01245 237555 Mobile 07810 820620				
		Job No: ZB3346						
Boring Method: Hand Tools		Date: 16/07/2019						
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.				
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L. 60	TARMAC.	60						
	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with brick rubble.	340					100 Numerous roots of live appearance to 3mmø to	
400	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with small brick & carbon fragments.	400		•	Tub & Jar	450		
800	Orange brown, gravelly, sandy, very silty, CLAY.	100					600 Occasional roots of live appearance to 1mmø to 900mm.	
900	— Trial Pit ends at 900mm. —							
Remarks: Trial Pit moist at base & open on completion.				Key: • Small disturbed sample - B Bulk disturbed sample - U Undisturbed sample(U100) - W Water sample - J Jar sample - V Pilcon Vane (kPa) - I Mackintosh Probe - Standard penetration test - N SPT blow count				

Trial Pit No: 8		Sheet: 1 of 1		 Tel/Fax 01245 237555 Mobile 07810 820620					
		Job No: ZB3346							
Boring Method: Hand Tools		Date: 16/07/2019							
Client: ZBU Enterprises Holdings Ltd.				Site: 57 Baker Street, Reading.					
Depth (m)	Description of Strata	Thick- Ness (m)	Legend	Sample	Test Type	Result	Depth (m)	Field Records/ Comments	Depth to water (m)
G.L.	CONCRETE.	150		•	Tub & Jar	250	250	100 Numerous roots of live appearance to 3mmø to	
150	MADE GROUND: Medium compact, BRICK RUBBLE & HARDCORE.	100							
250	MADE GROUND: Medium compact, brown, gravelly, very silty, SAND, with brick fragments.	250							
500	MADE GROUND: Medium compact, brown, gravelly, sandy, SILT, with small brick, mortar & carbon fragments.	700							
1.2	Orange brown, gravelly, very sandy, very silty, CLAY.	100							
1.3	— Trial Pit ends at 1.3m. —								
Remarks: Trial Pit moist & open on completion.				Key: • Small disturbed sample V Pilcon Vane (kPa) B Bulk disturbed sample I Mackintosh Probe U Undisturbed sample(U100) S Standard W Water sample penetration test J Jar sample N SPT blow count					



APPENDIX 5
ANALYTICAL TEST RESULTS



2683



THE ENVIRONMENT AGENCY'S
MONITORING CERTIFICATION SCHEME

Unit A2
Windmill Road
Ponswood Industrial Estate
St Leonards on Sea
East Sussex
TN38 9BY
Telephone: (01424) 718618

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info@elab-uk.co.uk

THE ENVIRONMENTAL LABORATORY LTD

Analytical Report Number: 19-24064

Issue: 1

Date of Issue: 29/07/2019

Contact: Sandra Brown

Customer Details: Soil Investigation (Eastern) Ltd
Office F, The Dutch Barn
Old Park Farm
Chelmsford
Essex CM3 1LN

Quotation No: Q17-00801

Order No: ZB3346

Customer Reference: ZB3346

Date Received: 18/07/2019

Date Approved: 29/07/2019

Details: 57 Baker Street, Reading RG1 7XX

Approved by: 

Mike Varley, Technical Manager

Any comments, opinions or interpretations expressed herein are outside the scope of UKAS accreditation (Accreditation Number 2683)



Sample Summary

Report No.: 19-24064, issue number 1

Elab No.	Client's Ref.	Date Sampled	Date Scheduled	Description	Deviations
179333	BH1 0.30	16/07/2019	18/07/2019	Sandy silty loam	
179334	BH2 0.20	16/07/2019	18/07/2019		
179335	BH2 6.00	16/07/2019	18/07/2019	Sandy silty loam	
179336	BH3 0.40	16/07/2019	18/07/2019		
179337	BH4 0.30	16/07/2019	18/07/2019		
179338	TP1 0.20	16/07/2019	18/07/2019	Sandy silty loam	
179339	TP2 0.10	16/07/2019	18/07/2019	Sandy silty loam	
179340	TP3 0.30	16/07/2019	18/07/2019		
179341	TP4 0.50	16/07/2019	18/07/2019	Sandy silty loam	
179342	TP5 0.40	16/07/2019	18/07/2019	Sandy silty loam	
179343	TP6 0.30	16/07/2019	18/07/2019	Sandy silty loam	
179344	TP7 0.45	16/07/2019	18/07/2019	Sandy silty loam	
179345	TP8 0.25	16/07/2019	18/07/2019	Sandy silty loam	



Results Summary

2683

Report No.: 19-24064, issue number 1

ELAB Reference	179333	179335	179338	179339	179341
Customer Reference					
Sample ID					
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location	BH1	BH2	TP1	TP2	TP4
Sample Depth (m)	0.30	6.00	0.20	0.10	0.50
Sampling Date	16/07/2019	16/07/2019	16/07/2019	16/07/2019	16/07/2019

Determinand	Codes	Units	LOD					
Soil sample preparation parameters								
Material removed	N	%	0.1	28.1	39.0	42.1	44.3	34.5
Description of Inert material removed	N		0	Stones,brick	Stones	Stones,Clinker	Stones	Stones
Metals								
Arsenic	M	mg/kg	1	27.5	18.6	50.7	20.7	49.5
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	0.8	< 0.5	< 0.5
Chromium	M	mg/kg	5	33.4	39.4	37.8	35.5	30.1
Copper	M	mg/kg	5	84.7	16.5	151	50.7	59.3
Lead	M	mg/kg	5	365	27.5	794	410	202
Mercury	M	mg/kg	0.5	2.2	< 0.5	1.8	0.8	0.5
Nickel	M	mg/kg	5	33.8	28.3	54.5	27.9	30.5
Selenium	M	mg/kg	1	< 1.0	< 1.0	1.8	< 1.0	< 1.0
Zinc	M	mg/kg	5	173	66.1	541	365	141
Inorganics								
Elemental Sulphur	M	mg/kg	20	< 20	< 20	< 20	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8	< 0.8
Thiocyanate	N	mg/kg	4	< 4.0	< 4.0	< 4.0	< 4.0	< 4.0
Total Cyanide	M	mg/kg	1	2.1	< 1.0	11.2	1.4	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.02	< 0.02	0.04	0.09	0.02
Water Soluble Boron	N	mg/kg	0.5	0.7	1.2	1.4	5.0	1.3
Miscellaneous								
Acid Neutralisation Capacity	N	mol/kg	0.1	< 0.1	< 0.1	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	4.63	1.09	n/t	n/t	n/t
pH	M	pH units	0.1	8.1	8.1	7.5	7.8	8.2
Soil Organic Matter	U	%	0.1	2.1	0.5	5.1	8.8	1.2
Total Organic Carbon	N	%	0.01	3.6	0.14	n/t	n/t	n/t
Organics								
>C8-C10 BCB	N	mg/kg	1	< 1.0	n/t	n/t	< 1.0	< 1.0
>C10-C12 BCB	N	mg/kg	1	1.1	n/t	n/t	< 1.0	< 1.0
>C12-C16 BCB	N	mg/kg	1	40.4	n/t	n/t	< 1.0	< 1.0
>C16-C21 BCB	N	mg/kg	1	186	n/t	n/t	< 1.0	1.0
>C21-C35 BCB	N	mg/kg	1	1150	n/t	n/t	35.5	13.9
>C35-C40 BCB	N	mg/kg	1	250	n/t	n/t	14.0	3.3
Total (>C8-C40) BCB	N	mg/kg	1	1620	n/t	n/t	49.5	17.3
Phenols								
Phenol	M	mg/kg	1	< 1	< 1	< 1	< 1	< 1
M,P-Cresol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1
O-Cresol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1
3,4-Dimethylphenol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1
2,3-Dimethylphenol	M	mg/kg	1	< 1	< 1	< 1	< 1	< 1
1-Naphthol	N	mg/kg	1	< 1	< 1	< 1	< 1	< 1
2,3,5-trimethylphenol	M	mg/kg	1	< 1	< 1	< 1	< 1	< 1
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6	< 6



Results Summary

2683

Report No.: 19-24064, issue number 1

ELAB Reference				179333	179335	179338	179339	179341
Customer Reference								
Sample ID								
Sample Type				SOIL	SOIL	SOIL	SOIL	SOIL
Sample Location				BH1	BH2	TP1	TP2	TP4
Sample Depth (m)				0.30	6.00	0.20	0.10	0.50
Sampling Date				16/07/2019	16/07/2019	16/07/2019	16/07/2019	16/07/2019
Determinand	Codes	Units	LOD					
Polyaromatic hydrocarbons								
Naphthalene	M	mg/kg	0.1	0.3	< 0.1	3.8	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	0.3	< 0.1	0.8	< 0.1	0.2
Acenaphthene	M	mg/kg	0.1	1.5	< 0.1	10.1	< 0.1	< 0.1
Fluorene	M	mg/kg	0.1	1.2	< 0.1	9.7	< 0.1	< 0.1
Phenanthrene	M	mg/kg	0.1	9.1	0.2	60.3	0.1	0.5
Anthracene	M	mg/kg	0.1	4.4	< 0.1	22.5	< 0.1	< 0.1
Fluoranthene	M	mg/kg	0.1	39.6	0.4	78.5	0.3	3.2
Pyrene	M	mg/kg	0.1	37.7	0.3	64.7	0.3	3.1
Benzo(a)anthracene	M	mg/kg	0.1	23.2	0.2	31.7	0.1	2.3
Chrysene	M	mg/kg	0.1	23.9	0.1	33.2	0.3	2.5
Benzo(b)fluoranthene	M	mg/kg	0.1	25.3	< 0.1	27.5	0.5	2.8
Benzo(k)fluoranthene	M	mg/kg	0.1	24.3	< 0.1	29.1	0.6	2.9
Benzo(a)pyrene	M	mg/kg	0.1	27.8	0.1	31.6	0.4	3.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	18.6	< 0.1	20.6	< 0.1	2.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	3.0	< 0.1	3.3	< 0.1	0.4
Benzo[g,h,i]perylene	M	mg/kg	0.1	16.6	< 0.1	18.9	< 0.1	2.1
Total PAH(16)	M	mg/kg	0.4	257	1.6	446	2.7	25.4
Total PAH (Including Coronene)	N	mg/kg	2	263	< 2	n/t	n/t	n/t
BTEX								
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
MTBE	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	< 0.01	< 0.01	n/t	n/t	n/t
TPH CWG								
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	12.5	< 1.0	11.9	< 1.0	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	26.4	< 1.0	44.2	< 1.0	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	107	< 1.0	172	5.5	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	27.9	< 1.0	30.2	< 1.0	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	15.8	< 1.0	27.3	< 1.0	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	90.3	< 1.0	153	1.0	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	497	1.2	644	21.0	5.0
>C35-C40 Aromatic	N	mg/kg	1	84.6	< 1.0	84.6	6.1	1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	862	1.2	1170	33.6	6.0
Total Petroleum Hydrocarbons								
Mineral Oil	M	mg/kg	5	^ 1660	^ < 5	n/t	n/t	n/t
PCB (ICES 7 congeners)								
PCB (Total of 7 Congeners)	M	mg/kg	0.03	< 0.03	< 0.03	n/t	n/t	n/t

Results Summary

2683

Report No.: 19-24064, issue number 1

ELAB Reference	179342	179343	179344	179345
Customer Reference				
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	TP5	TP6	TP7	TP8
Sample Depth (m)	0.40	0.30	0.45	0.25
Sampling Date	16/07/2019	16/07/2019	16/07/2019	16/07/2019

Determinand	Codes	Units	LOD				
Soil sample preparation parameters							
Material removed	N	%	0.1	40.2	8.1	31.2	25.5
Description of Inert material removed	N		0	Stones	Stones	Stones	Stones
Metals							
Arsenic	M	mg/kg	1	66.6	12.5	24.5	15.2
Cadmium	M	mg/kg	0.5	< 0.5	< 0.5	< 0.5	< 0.5
Chromium	M	mg/kg	5	37.4	17.5	20.9	23.1
Copper	M	mg/kg	5	53.3	24.6	68.5	56.7
Lead	M	mg/kg	5	381	54.4	212	145
Mercury	M	mg/kg	0.5	1.1	< 0.5	0.7	1.1
Nickel	M	mg/kg	5	48.5	15.4	22.4	21.8
Selenium	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Zinc	M	mg/kg	5	178	60.6	134	99.2
Inorganics							
Elemental Sulphur	M	mg/kg	20	< 20	< 20	< 20	< 20
Hexavalent Chromium	N	mg/kg	0.8	< 0.8	< 0.8	< 0.8	< 0.8
Thiocyanate	N	mg/kg	4	< 4.0	< 4.0	< 4.0	< 4.0
Total Cyanide	M	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
Acid Soluble Sulphate (SO4)	U	%	0.02	0.03	0.02	0.03	0.02
Water Soluble Boron	N	mg/kg	0.5	0.6	0.6	0.7	0.9
Miscellaneous							
Acid Neutralisation Capacity	N	mol/kg	0.1	n/t	n/t	n/t	n/t
Loss On Ignition (450°C)	M	%	0.01	n/t	n/t	n/t	n/t
pH	M	pH units	0.1	8.3	7.9	7.9	8.2
Soil Organic Matter	U	%	0.1	1.0	0.7	2.5	1.0
Total Organic Carbon	N	%	0.01	n/t	n/t	n/t	n/t
Organics							
>C8-C10 BCB	N	mg/kg	1	n/t	n/t	< 1.0	n/t
>C10-C12 BCB	N	mg/kg	1	n/t	n/t	< 1.0	n/t
>C12-C16 BCB	N	mg/kg	1	n/t	n/t	2.4	n/t
>C16-C21 BCB	N	mg/kg	1	n/t	n/t	18.0	n/t
>C21-C35 BCB	N	mg/kg	1	n/t	n/t	193	n/t
>C35-C40 BCB	N	mg/kg	1	n/t	n/t	38.6	n/t
Total (>C8-C40) BCB	N	mg/kg	1	n/t	n/t	252	n/t
Phenols							
Phenol	M	mg/kg	1	< 1	< 1	< 1	< 1
M,P-Cresol	N	mg/kg	1	< 1	< 1	< 1	< 1
O-Cresol	N	mg/kg	1	< 1	< 1	< 1	< 1
3,4-Dimethylphenol	N	mg/kg	1	< 1	< 1	< 1	< 1
2,3-Dimethylphenol	M	mg/kg	1	< 1	< 1	< 1	< 1
1-Naphthol	N	mg/kg	1	< 1	< 1	< 1	< 1
2,3,5-trimethylphenol	M	mg/kg	1	< 1	< 1	< 1	< 1
Total Phenols	N	mg/kg	6	< 6	< 6	< 6	< 6

Results Summary

Report No.: 19-24064, issue number 1

ELAB Reference	179342	179343	179344	179345
Customer Reference				
Sample ID				
Sample Type	SOIL	SOIL	SOIL	SOIL
Sample Location	TP5	TP6	TP7	TP8
Sample Depth (m)	0.40	0.30	0.45	0.25
Sampling Date	16/07/2019	16/07/2019	16/07/2019	16/07/2019

Determinand	Codes	Units	LOD				
Polyaromatic hydrocarbons							
Naphthalene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	< 0.1
Acenaphthylene	M	mg/kg	0.1	0.2	< 0.1	< 0.1	< 0.1
Acenaphthene	M	mg/kg	0.1	0.7	< 0.1	0.5	< 0.1
Fluorene	M	mg/kg	0.1	0.6	< 0.1	0.5	< 0.1
Phenanthrene	M	mg/kg	0.1	3.7	< 0.1	2.4	< 0.1
Anthracene	M	mg/kg	0.1	1.5	< 0.1	1.9	< 0.1
Fluoranthene	M	mg/kg	0.1	6.4	< 0.1	6.6	< 0.1
Pyrene	M	mg/kg	0.1	5.7	< 0.1	5.1	< 0.1
Benzo(a)anthracene	M	mg/kg	0.1	3.5	< 0.1	3.3	< 0.1
Chrysene	M	mg/kg	0.1	3.9	< 0.1	4.0	< 0.1
Benzo(b)fluoranthene	M	mg/kg	0.1	4.7	< 0.1	4.3	< 0.1
Benzo(k)fluoranthene	M	mg/kg	0.1	4.7	< 0.1	3.9	< 0.1
Benzo(a)pyrene	M	mg/kg	0.1	5.5	< 0.1	4.2	< 0.1
Indeno(1,2,3-cd)pyrene	M	mg/kg	0.1	4.0	< 0.1	3.0	< 0.1
Dibenzo(a,h)anthracene	M	mg/kg	0.1	0.8	< 0.1	0.6	< 0.1
Benzo[g,h,i]perylene	M	mg/kg	0.1	3.5	< 0.1	2.5	< 0.1
Total PAH(16)	M	mg/kg	0.4	49.6	< 0.4	42.7	< 0.4
Total PAH (Including Coronene)	N	mg/kg	2	n/t	n/t	n/t	n/t
BTEX							
Benzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Toluene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Ethylbenzene	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Xylenes	M	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
MTBE	N	ug/kg	10	< 10.0	< 10.0	< 10.0	< 10.0
Total BTEX	M	mg/kg	0.01	n/t	n/t	n/t	n/t
TPH CWG							
>C5-C6 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C6-C8 Aliphatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aliphatic	N	mg/kg	1	< 1.0	< 1.0	2.8	< 1.0
>C16-C21 Aliphatic	N	mg/kg	1	1.4	< 1.0	6.9	< 1.0
>C21-C35 Aliphatic	N	mg/kg	1	22.6	< 1.0	32.2	< 1.0
>C35-C40 Aliphatic	N	mg/kg	1	5.4	< 1.0	3.6	< 1.0
>C5-C7 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C7-C8 Aromatic	N	mg/kg	0.01	< 0.01	< 0.01	< 0.01	< 0.01
>C8-C10 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C10-C12 Aromatic	N	mg/kg	1	< 1.0	< 1.0	< 1.0	< 1.0
>C12-C16 Aromatic	N	mg/kg	1	< 1.0	< 1.0	2.6	< 1.0
>C16-C21 Aromatic	N	mg/kg	1	3.5	< 1.0	27.1	< 1.0
>C21-C35 Aromatic	N	mg/kg	1	51.4	< 1.0	291	< 1.0
>C35-C40 Aromatic	N	mg/kg	1	14.0	< 1.0	47.4	< 1.0
Total (>C5-C40) Ali/Aro	N	mg/kg	1	98.3	< 1.0	413	< 1.0
Total Petroleum Hydrocarbons							
Mineral Oil	M	mg/kg	5	n/t	n/t	n/t	n/t
PCB (ICES 7 congeners)							
PCB (Total of 7 Congeners)	M	mg/kg	0.03	n/t	n/t	n/t	n/t

Results Summary

2683

Report No.: 19-24064, issue number 1

WAC Analysis

Elab Ref:	179335					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	16/07/2019					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	BH2							
Depth (m)	6							
Site:	57 Baker Street, Reading RG1 7XX							
Determinand		Code	Units					
Total Organic Carbon		N	%		0.14	3	5	6
Loss on Ignition		M	%		1.1	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		< 5	500	--	--
Total (of 17) PAHs		N	mg/kg		< 2	100	--	--
pH		M			8.1	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate

Eluate Analysis

			10:1	10:1	Limit values for compliance leaching test using BS EN 12457-2 at L/S 10 l/kg		
			mg/l	mg/kg			
Arsenic		N	< 0.005	< 0.05	0.5	2	25
Barium		N	< 0.005	< 0.05	20	100	300
Cadmium		N	< 0.001	< 0.01	0.04	1	5
Chromium		N	< 0.005	< 0.05	0.5	10	70
Copper		N	< 0.005	< 0.05	2	50	100
Mercury		N	< 0.005	< 0.01	0.01	0.2	2
Molybdenum		N	< 0.005	< 0.05	0.5	10	30
Nickel		N	< 0.001	< 0.05	0.4	10	40
Lead		N	< 0.001	< 0.05	0.5	10	50
Antimony		N	< 0.005	< 0.05	0.06	0.7	5
Selenium		N	< 0.005	< 0.05	0.1	0.5	7
Zinc		N	< 0.005	< 0.05	4	50	200
Chloride		N	< 5	< 50	800	15000	25000
Fluoride		N	< 5	< 10	10	150	500
Sulphate		N	3	29.70	1000	20000	50000
Total Dissolved Solids		N	39	395.00	4000	60000	100000
Phenol Index		N	< 0.01	< 0.10	1	-	-
Dissolved Organic Carbon		N	5.580	56.00	500	800	1000

Leach Test Information

pH		N	7.7					
Conductivity (uS/cm)		N	59					
Dry mass of test portion (g)			102.000					
Dry Matter (%)			90					
Moisture (%)			11					
Eluent Volume (ml)			966					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.

Results Summary

2683

Report No.: 19-24064, issue number 1

WAC Analysis

Elab Ref:	179333					Landfill Waste Acceptance Criteria Limits*		
Sample Date:	16/07/2019					Inert Waste Landfill	Stable Non-reactive Hazardous waste in non-hazardous Landfill	Hazardous Waste Landfill
Sample ID:	BH1							
Depth (m)	0.3							
Site:	57 Baker Street, Reading RG1 7XX							
Determinand		Code	Units					
Total Organic Carbon		N	%		3.60	3	5	6
Loss on Ignition		M	%		4.6	--	--	10
Total BTEX		M	mg/kg		< 0.01	6	--	--
Total PCBs (7 congeners)		M	mg/kg		< 0.03	1	--	--
TPH Total WAC		M	mg/kg		1660	500	--	--
Total (of 17) PAHs		N	mg/kg		263.0	100	--	--
pH		M			8.1	--	>6	--
Acid Neutralisation Capacity		N	mol/kg		< 0.1	--	To evaluate	To evaluate

Eluate Analysis

			mg/l		mg/kg	using BS EN 12457-2 at L/S 10 l/kg		
Arsenic		N	0.006		0.06	0.5	2	25
Barium		N	0.014		0.14	20	100	300
Cadmium		N	< 0.001		< 0.01	0.04	1	5
Chromium		N	< 0.005		< 0.05	0.5	10	70
Copper		N	0.006		0.06	2	50	100
Mercury		N	< 0.005		< 0.01	0.01	0.2	2
Molybdenum		N	0.013		0.13	0.5	10	30
Nickel		N	< 0.001		< 0.05	0.4	10	40
Lead		N	0.001		< 0.05	0.5	10	50
Antimony		N	< 0.005		< 0.05	0.06	0.7	5
Selenium		N	< 0.005		< 0.05	0.1	0.5	7
Zinc		N	0.013		0.13	4	50	200
Chloride		N	< 5		< 50	800	15000	25000
Fluoride		N	< 5		< 10	10	150	500
Sulphate		N	3		27.80	1000	20000	50000
Total Dissolved Solids		N	84		838.00	4000	60000	100000
Phenol Index		N	< 0.01		< 0.10	1	-	-
Dissolved Organic Carbon		N	7.070		71.00	500	800	1000

Leach Test Information

pH	N	7.9					
Conductivity (uS/cm)	N	125					
Dry mass of test portion (g)		102.000					
Dry Matter (%)		90					
Moisture (%)		11					
Eluent Volume (ml)		970					

Results are expressed on a dry weight basis, after correction for moisture content where applicable

* Stated limits are for guidance only, and not for conformity assessment.



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Results Summary

Report No.: 19-24064, issue number 1

Asbestos Results

Analytical result only applies to the sample as submitted by the client. Any comments, opinions or interpretations (marked #) in this report are outside UKAS accreditation (Accreditation No2683). They are subjective comments only which must be verified by the client.

Elab No	Depth (m)	Clients Reference	Description of Sample Matrix #	Asbestos Identification	Gravimetric Analysis Total (%)	Gravimetric Analysis by ACM Type (%)	Free Fibre Analysis (%)	Total Asbestos (%)
179334	0.20	BH2	Brown soil, stones, brick, clinker, slate	No asbestos detected	n/t	n/t	n/t	n/t
179336	0.40	BH3	Brown soil, stones, brick, clinker, plant-material	No asbestos detected	n/t	n/t	n/t	n/t
179337	0.30	BH4	Brown soil, stones, brick, clinker	No asbestos detected	n/t	n/t	n/t	n/t
179340	0.30	TP3	Brown sandy soil, stones, brick, road-stone, pottery,	No asbestos detected	n/t	n/t	n/t	n/t
179343	0.30	TP6	Brown soil, stones	No asbestos detected	n/t	n/t	n/t	n/t

Method Summary

Report No.: 19-24064, issue number 1

Parameter	Codes	Analysis Undertaken On	Date Tested	Method Number	Technique
Soil					
Hexavalent chromium	N	As submitted sample	23/07/2019	110	Colorimetry
Acid Soluble Sulphate	U	Air dried sample	24/07/2019	115	Ion Chromatography
Aqua regia extractable metals	M	Air dried sample	23/07/2019	118	ICPMS
Phenols in solids	M	As submitted sample	23/07/2019	121	HPLC
Elemental Sulphur	M	Air dried sample	23/07/2019	122	HPLC
PAH (GC-FID)	M	As submitted sample	23/07/2019	133	GC-FID
Thiocyanate	N	As submitted sample	23/07/2019	146	Colorimetry
Low range Aliphatic hydrocarbons soil	N	As submitted sample	23/07/2019	181	GC-MS
Low range Aromatic hydrocarbons soil	N	As submitted sample	23/07/2019	181	GC-MS
Water soluble boron	N	Air dried sample	23/07/2019	202	Colorimetry
Total cyanide	M	As submitted sample	23/07/2019	204	Colorimetry
Aliphatic hydrocarbons in soil	N	As submitted sample	23/07/2019	214	GC-FID
Aliphatic/Aromatic hydrocarbons in soil	N	As submitted sample	25/07/2019	214	GC-FID
Aromatic hydrocarbons in soil	N	As submitted sample	23/07/2019	214	GC-FID
Basic carbon banding in soil	N	As submitted sample	23/07/2019	218	GC-FID
Soil organic matter	U	Air dried sample	26/07/2019	BS1377:P3	Titrimetry
Asbestos identification	U	Air dried sample	23/07/2019	PMAN	Microscopy
Leachate					
Arsenic	N		25/07/2019	101	ICPMS
Cadmium	N		25/07/2019	101	ICPMS
Chromium	N		25/07/2019	101	ICPMS
Lead	N		25/07/2019	101	ICPMS
Nickel	N		25/07/2019	101	ICPMS
Copper	N		25/07/2019	101	ICPMS
Zinc	N		25/07/2019	101	ICPMS
Mercury	N		25/07/2019	101	ICPMS
Selenium	N		25/07/2019	101	ICPMS
Antimony	N		25/07/2019	101	ICPMS
Barium	N		25/07/2019	101	ICPMS
Molybdenum	N		25/07/2019	101	ICPMS
pH Value	N		25/07/2019	113	Electrometric
Electrical Conductivity	N		25/07/2019	136	Probe
Dissolved Organic Carbon	N		25/07/2019	102	TOC analyser
Chloride	N		25/07/2019	131	Ion Chromatography
Fluoride	N		25/07/2019	131	Ion Chromatography
Sulphate	N		25/07/2019	131	Ion Chromatography
Total Dissolved Solids	N		25/07/2019	144	Gravimetric
Phenol index	N		25/07/2019	121	HPLC
WAC Solids analysis	N				
pH Value	M	Air dried sample	24/07/2019	113	Electrometric
Total Organic Carbon	N	Air dried sample	24/07/2019	210	IR
Loss on Ignition	M	Air dried sample	24/07/2019	129	Gravimetric
Acid Neutralization Capacity to pH 7	N	Air dried sample	24/07/2019	NEN 737	Electrometric
Total BTEX	M	As submitted sample	23/07/2019	181	GCMS
Mineral Oil	M	As submitted sample	23/07/2019	117	GCFID
Total PCBs (7 congeners)	M	Air dried sample	23/07/2019	120	GCMS
Total PAH (17)	N	As submitted sample	25/07/2019	133	GCFID

Tests marked N are not UKAS accredited

Report Information

Report No.: 19-24064, issue number 1

Key

U	hold UKAS accreditation
M	hold MCERTS and UKAS accreditation
N	do not currently hold UKAS accreditation
^	MCERTS accreditation not applicable for sample matrix
*	UKAS accreditation not applicable for sample matrix
S	Subcontracted to approved laboratory UKAS Accredited for the test
SM	Subcontracted to approved laboratory MCERTS/UKAS Accredited for the test
NS	Subcontracted to approved laboratory. UKAS accreditation is not applicable.
I/S	Insufficient Sample
U/S	Unsuitable sample
n/t	Not tested
<	means "less than"
>	means "greater than"

Soil sample results are expressed on an air dried basis (dried at < 30°C), and are uncorrected for inert material removed.

ELAB are unable to provide an interpretation or opinion on the content of this report.

The results relate only to the sample received.

PCB congener results may include any coeluting PCBs

Uncertainty of measurement for the determinands tested are available upon request

Unless otherwise stated, sample information has been provided by the client

Deviation Codes

a	No date of sampling supplied
b	No time of sampling supplied (Waters Only)
c	Sample not received in appropriate containers
d	Sample not received in cooled condition
e	The container has been incorrectly filled
f	Sample age exceeds stability time (sampling to receipt)
g	Sample age exceeds stability time (sampling to analysis)

Where a sample has a deviation code, the applicable test result may be invalid.

Sample Retention and Disposal

All soil samples will be retained for a period of one month

All water samples will be retained for 7 days following the date of the test report

Charges may apply to extended sample storage



APPENDIX 6
CONTAMINATION ASSESSMENT GUIDELINES

Guidelines on Contamination Levels.

Human Health

CLEA Soil Guideline values (SGV)

The UK's primary contaminated land guidance is contained within the Contaminated Land Exposure Assessment (CLEA) framework. Within this framework a number of Soil Guideline Values (SGVs) were published for key contaminants along with toxicological guideline values relating to intake thresholds. The soil guideline values provided by the CLEA model represent intervention values for end uses based upon potential human exposure and soil concentrations of a contaminant above these values might represent an unacceptable risk to the health of the site users. The Environment Agency had an ongoing programme of SGV publication with associated toxicological information for key contaminants. Where SGVs are available then they should be used as the basis for any human health risk assessment.

All CLEA SGVs were withdrawn for use by the Environment Agency in 2008 whilst they are under review and pending the availability of new toxicological data. To date, new SGV values have been set for benzene, toluene, ethylbenzene and xylene and mercury and selenium. In the absence of the new SGVs and toxicological report data, GES have used appropriate screening tools or Generic Assessment Criteria Levels as assessment criteria guidelines for those determinands not currently assigned SGVs. It should be noted that the former SGVs for metals were in general agreement with those site specific levels generated by RBCA and other similar computer model based risk assessment tools.

The GES screening assessment of contaminants within samples has been carried out using these model generated values in the absence of any other values or guidelines. The version of the CLEA model, v1.06, was used. The published SGVs are shown below. Nickel SGV has been withdrawn (2015) pending an assessment of the toxicological data used in the model for nickel. Published SGV values:

Land use	Soil Guideline Value (mg kg ⁻¹)		
	Residential	Allotment	Commercial
Inorganic arsenic	32	43	640
Nickel	130	230	1,800
Cadmium	10	1.8	230
Phenol	420	280	3200
Elemental Hg	1	26	26
Inorganic Hg	170	80	3600
Methyl Hg	11	8	410
Selenium	350	120	13,000
Benzene	0.33	0.07	95
Toluene	610	120	4400
Ethylbenzene	350	90	2800
o-Xylene	250	160	2600
r-Xylene	240	180	3500
m-Xylene	230	160	3200

Based on a sandy loam soil as defined in Environment Agency (2009b) and 6% SOM.

Guidelines on Contamination Levels.

DEFRA Category four screening level (C4SL)

In addition to the SGVs, guideline screening values proposed in the DEFRA document SP1010-Development of Category 4 Screening Levels for Assessment of Land affected by Contamination Final Project Report (C4SL) are considered along with the suitable for use levels (S4USL) derived by the Chartered Institute of Environmental Health (CIEH) in partnership with the Land Quality Management Organization (LQM). The screening levels are given for residential, commercial, allotment or public open space end uses.

PARAMETER	Residential		Commercial	Allotment	Public open Space near residential POS _{resi}	Public park land POS _{park}	Sources
	With Plant uptake	Without Plant uptake					
Inorganics - mg/kg unless stated							
Arsenic (inorganic)	37	40	640	49	79	170	DEFRA C4SL
Beryllium	1.7	1.7	12	35	2.2	63	LQM/S4USL
Boron	290	11,000	240,000	45	21,000	46,000	LQM/CIEH
Cadmium	22	150	410	3.9	220	880	LQM/S4USL
Chromium III	910	910	8,600	18,000	1,500	33,000	LQM/CIEH
Chromium VI	21	21	49	170	21	250	LQM/S4USL
Copper	2,400	7,100	68,000	520	12,000	44,000	LQM/CIEH
lead	200	310	2,300	80	630	1,300	DEFRA C4SL
Mercury (Inorganic)	40	56	1,100	19	120	240	LQM/CIEH
Nickel	180	180	980	230	230	3,400	LQM/CIEH
Selenium	250	430	12,000	88	1,100	1,800	LQM/CIEH
Vanadium	410	1,200	9,000	91	2,000	5,000	LQM/CIEH
Zinc	3,700	40,000	730,000	620	81,000	170,000	LQM/CIEH
Total sulphate	2400	2400	2400	2400	2400	2400	BRE (2005)
Water-soluble sulphate (g/l)	0.5	0.5	0.5	0.5	0.5	0.5	BRE (2005)
pH	<5	<5	<5	<5	<5	<5	-

CLEA does not currently provide guidance for total Polycyclic Aromatic Hydrocarbons (PAHs). A standalone Defra C4SL for benzo(a)pyrene has been assigned and is shown below. In addition, the Chartered Institute of Environmental Health (CIEH) in partnership with the Land Quality Management Organization (LQM) used CLEA software to derive Generic Assessment Criteria (GAC) and Assessment Sub Criteria (ASC) for the following PAH compounds.



Guidelines on Contamination Levels.

PARAMETER	Residential												PO S	PO S	Source
	With Plant uptake			Without Plant uptake											
	SOM %	1	2.5	6	1	2.5	6	1	2.5	6	1	2.5	6	resi	
Organics - mg/kg unless stated															
Acenaphthene	200	490	1080	2000	3600	5200	75000	92000	100000	34	85	202			CLEA/LQM CIEH
Acenaphthylene	170	400	900	2000	3600	5200	76000	92000	100000	28	68	163			CLEA/LQM CIEH
Anthracene	2300	5400	10700	30000	34000	36000	520000	530000	540000	380	947	2230			CLEA/LQM CIEH
Benzo(a)anthracene	7.5	11	13	12	14	15	170	170	180	2.9	6.5	13			CLEA/LQM CIEH
Benzo(a)pyrene C4SL			5			5.3			77			5.7	10	21	DEFRA C4SL
Benzo(a)pyrene	2.2	2.7	3	3.2	3.2	3.2	3.6	3.7	3.7	35	35	36			CLEA/LQM CIEH
Benzo(b)fluoranthene	2.6	3.3	3.7	3.9	4	4	44	45	45	1	2.2	3.9			CLEA/LQM CIEH
Benzo(g,h,i)perylene	315	340	350	360	360	360	3900	4000	4000	290	480	646			CLEA/LQM CIEH
Benzo(k)fluoranthene	77	93	100	110	110	110	1200	1200	1200	37	76	129			CLEA/LQM CIEH
Chrysene	15	22	27	30	31	32	350	350	350	4.1	9.5	19			CLEA/LQM CIEH
Dibenzo(a,h)anthracene	0.24	0.28	0.3	0.31	0.32	0.32	3.5	3.6	3.6	0.14	0.27	0.44			CLEA/LQM CIEH
Fluoranthene	280	560	890	1500	1600	1600	23000	23000	23000	52	127	288			CLEA/LQM CIEH
Fluorene	165	390	850	2200	3400	4200	60000	67000	70000	27	67	158			CLEA/LQM CIEH
Indeno(1,2,3-cd)pyrene	27	36	41	45	46	46	500	510	510	9.5	21	40			CLEA/LQM CIEH
Naphthalene	1	2.3	5.5	1	2.4	6	100	260	600	4	9.8	23			CLEA/LQM CIEH
Phenanthrene	95	220	440	1300	1400	1500	22000	22000	23000	15	38	90			CLEA/LQM CIEH
Pyrene	620	1200	2000	3700	3800	3800	54000	54000	55000	11	271	620			CLEA/LQM CIEH

Petroleum Hydrocarbons represent a complex situation being a mixture of a range of compounds, the relative concentrations of which may change over time.

As discussed above, Generic Assessment Criteria (GAC) for total petroleum hydrocarbons according to both their molecular weight and chemical structure and also for a range of soil organic matter (SOM) content values have been derived using CLEA software.

The LQM CIEH GACs are again presented according to their soil organic matter content and proposed end use of the land. The generic assessment criteria for a 1%, 2.5% and 6% SOM content are tabulated below and presented according to the proposed end use.



TPH values calculated using CLEA v1.06 with parameter changes in accord with DEFRA (2014) C4SL and LQM/CIEH (2015)

Guidelines on Contamination Levels.

Risks to Plants

The CLEA framework does not provide a method for the assessment of phytotoxic risks to plants. However maximum permissible concentrations have been published in the Sludge (Use in Agriculture) Regulations 1989 (SI 1989, No. 1263). This legislation enforces the provisions of the EC Directive 86/278/EEC for potentially toxic elements (PTEs) on soils for agricultural use where sewage sludge has been applied (see table below). These limits relate to the potential risk to plants and not human health for which CLEA is the overriding risk assessment model.

Maximum permissible concentration in agricultural soils following sewage sludge application (mg/kg).				
	pH 5.0<5.5	pH 5.5<6.0	pH 6.0-7.0	pH >7.0
Zinc	200	250	300	450
Copper	80	100	135	200
Nickel	50	60	75	110

Risks to buried concrete

The potential risks to buried concrete can be assessed by reference to the BRE Special Digest 1 (SD1) entitled 'Concrete in Aggressive Ground'. This document provides a methodology for the specification of concrete based on the ground conditions encountered and is based upon chemical analysis and associated factors (e.g. groundwater). The guidance provides a Design Sulphate Class (DS) based upon the ground conditions and it is considered that a low concentration of sulphate and pH (i.e. DS – 1 and DS – 2) is considered to represent a low risk to buildings.

Risks to buried services

In addition, where water is supplied in plastic pipes which could come into contact with contaminated ground then this can lead to premature failures, resulting in leakage and loss of water quality. Risks to water supply pipes are assessed using guidance published by the UK Water Industry Research (UKWIR) entitled '*Guidance for the Selection of Water Pipes to be used in Brownfield Sites*' (Report Ref. No. 10/WM/03/21). This is known as the UKWIR guidance.

Previous guidance from WRAS has been withdrawn but may still be in use by certain water supply companies. In general water companies have adopted a common set of guidelines as given in the ***Contaminated Land Assessment Guidance from January 2014***.

Guidelines on Contamination Levels.

Additional threshold values for determining pipe material have also been published by certain water supply companies. If these threshold values are exceeded then consideration should be given to the selection of pipe material or to the use of barrier pipes. The UKWIR threshold values, together with those of certain water supply companies are presented in the table below for a range of potential hazards.

Substance ⁽¹⁾	Water UK Guidance	Thames Water
Total VOC	0.5	-
Total BTEX & MTBE	0.1	0.1 of either
Total SVOC	2	-
EC5-EC10 aliphatic and aromatic hydrocarbons	2	-
EC5-EC12 aliphatic hydrocarbons		0.5
EC5-EC12 aromatic hydrocarbons		0.5
EC10-EC16 aliphatic and aromatic hydrocarbons	10	-
EC12-EC21 aliphatic hydrocarbons		10
EC12-EC21 aromatic hydrocarbons		10
EC16-EC40 aliphatic and aromatic hydrocarbons	500	-
EC21-EC35 aliphatic hydrocarbons		500
EC21-EC35 aromatic hydrocarbons		500
Phenols	2	5*
Cresols and chlorinated phenols	2	2
Naphthalene	-	5
Ethers	0.5	-
Nitrobenzene	0.5	-
Ketones	0.5	-
Aldehydes	0.5	-
Amines	0	-
Corrosives pH and EC	#	
	##	

All units mg kg⁻¹ in soil;

pH <7 for wrapped steel, pH <5 wrapped ductile iron and copper and ##EC >400µS/cm;

*Phenol limit at 2mg/kg in presence of BTEX.



APPENDIX 7

ESI STATISTICS CALCULATOR RESULTS

Test Results

Arsenic

Client/client ref: Soil Investigatio Site ref: 57 Bakers Street, Reading

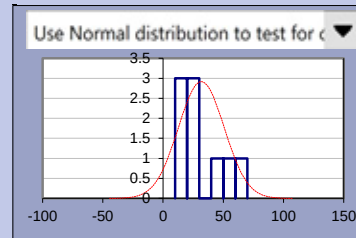
Project ref: 12240

Data description:

Date: 04-Sep-2019

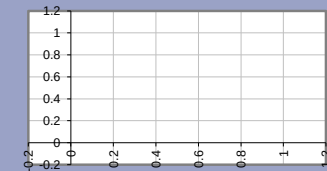
User details:

Dataset:	Arsenic	▼
Sample mean	$\bar{X}$	31.756
Sample standard deviation, s		19.036
Sample size, n		9
Critical concentration, Cc		37



Outliers & non-detects

Outliers present?	No
Significance level	5% ▼
Outliers excluded	0
Non-detects	0

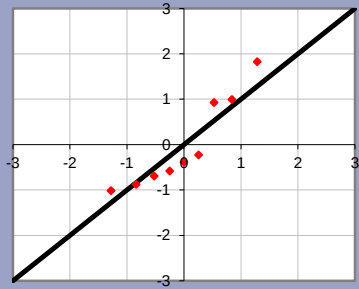


Normality test

Significance level: 5% ▼

Normal distribution

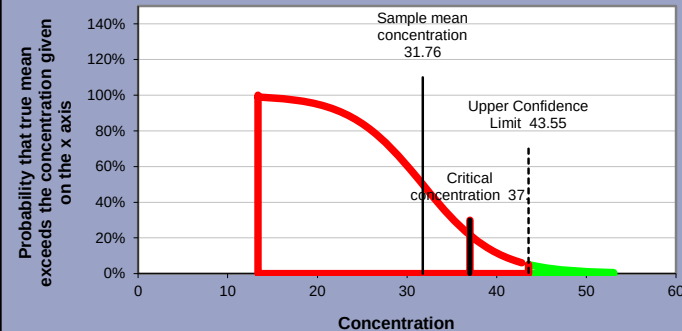
Use: Auto: One-sample t-test ▼



Test scenario: Planning: is true mean lower than critical concentration ($\mu < C_c$)? ▼

Null hypothesis: The true mean concentration is equal to or greater than the critical concentration: $\mu \geq C_c$

Alternative hypothesis: The true mean concentration is less than the critical concentration: $\mu < C_c$



Evidence against Null hypothesis: 78%

Base decision on: evidence level ▼

Evidence level required: 95%

Balance of probability? N/A

Reject Null Hypothesis? No

Not enough evidence

[Back to data](#)

[Back to summary](#)

[Go to outlier test](#)

[Go to normality test](#)

Test Results

Lead

Client/client ref: Soil Investigatio Site ref: 57 Bakers Street, Reading

Date: 04-Sep-2019

Project ref: 12240

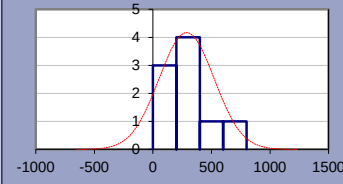
Data description:

User details:

Dataset: Lead

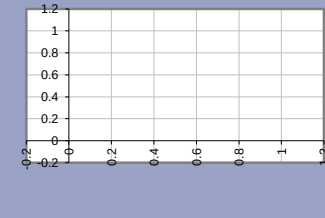
Sample mean	$\bar{X}$	287.88
Sample standard deviation, s		234.93
Sample size, n		9
Critical concentration, Cc		200

Use Normal distribution to test for c



Outliers & non-detects

Outliers present?	Yes
Significance level	5%
Outliers excluded	0
Non-detects	0

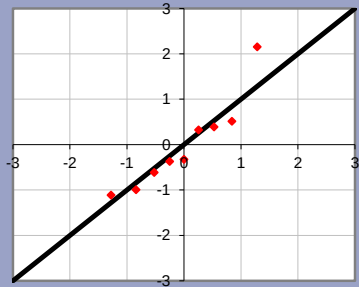


Normality test

Significance level: 5%

Normal distribution

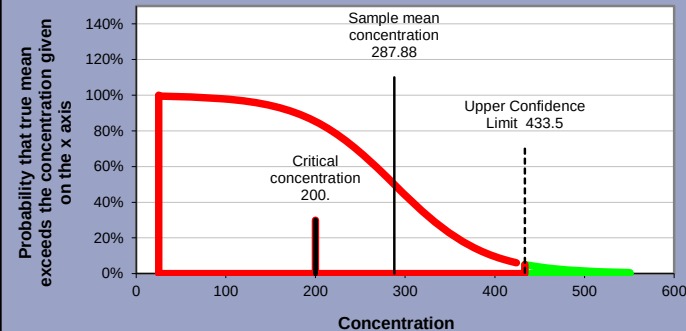
Use: Auto: One-sample t-test



Test scenario: Planning: is true mean lower than critical concentration ($\mu < C_c$)?

Null hypothesis: The true mean concentration is equal to or greater than the critical concentration: $\mu \geq C_c$

Alternative hypothesis: The true mean concentration is less than the critical concentration: $\mu < C_c$



Evidence against Null hypothesis: 15%

Base decision on: evidence level

Evidence level required: 95%

Balance of probability? N/A

Reject Null Hypothesis? No

$\mu \geq C_c$

Back to data

Back to summary

Go to outlier test

Go to normality test



APPENDIX 8

BRE COVER SYSTEMS SPREADSHEET

Calculations based on mixed zone (M)	600	mm
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Contaminant	Site Data				Expressed as a Factor of Target Guideline Value				Cover Thickness Required for Compliance to Specified Target Guideline Value	
	Contamination of Ground (Cg)	Contamination of Cover (Cc)	Res with PU	RwPU	Soil / Res with PU	Cover / Res with PU	Soil / RwPU	Cover / RwPU	Res with PU	RwPU
	Units		Units		Fraction				(mm)	
Arsenic	66.6	10	37	40	1.8	0.3	1.7	0.3	314	282
Beryllium										
Chromium										
Chromium (VI)										
Mercury										
Selenium										
Copper										
Nickel										
Zinc										
Lead	794	100	200	310	4.0	0.5	2.6	0.3	514	418
Boron (Water sol)										
Sulphate (total)										
Phenols										
Sulphide										
Cyanide										
Solvent Extractable Matter										
Dibenz(a,h)anthracene	3.3	0.1	0.3	0.32	11.0	0.3	10.3	0.3	563	559
Benzo(a)anthracene	31.7	0.1	13	15	2.4	0.0	2.1	0.0	355	317
Chrysene	33.2	0.1	27	32	1.2	0.0	1.0	0.0	112	22
Benzo(b)fluoranthene	27.5	0.1	3.7	4	7.4	0.0	6.9	0.0	521	515
Benzo(a)pyrene	31.6	0.1	5	3.2	6.3	0.0	9.9	0.0	507	541

Summary		
	Res with PU	RwPU
Number of contaminants	17	21
Number of contaminants with no thickness calculation	14	14
Breakdown - Number for which no TV specified	14	14
Breakdown - Number for which no soil specified	14	14
Breakdown - Number for which no cover specified	14	14
Breakdown - Number for which cover > TV	0	0
Number of contaminants with thickness calculation	3	7
Breakdown - Number for which no cover required	0	0
Breakdown - Number for which cover required	3	7
Overall thickness of cover required	563	559