

GROUND APPRAISAL REPORT
for a site at
1 WADHAM GARDENS, LONDON, NW3 3DN
on behalf of
MARCUS COOPER GROUP



Ground Appraisal Report



Report:	GROUND APPRAISAL REPORT		
Site:	1 WADHAM GARDENS, LONDON, NW3 3DN		
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AMENDMENT RECORD

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CONTENTS

1.0	INTRODUCTION	
1.1	General	
1.2	Form of Development	1
1.3	Objectives	1
1.4	Site Description	
1.5	Standards	
1.6	Conditions	
2.0	DESK STUDY SUMMARY	
2.1	Historical Mapping	
2.2	Geology	
2.2 2.3	Hydrogeology	
2.4	Hydrology	
2.5	Geochemistry	
2.6	Sensitive Land Uses	
2.7	Environmental Data	
2.8	Geotechnical Data	
2.9	Ground Gases	
2.10	Radon	
2.11	Previous Ground Investigations	
2.12	Generic Contamination	
3.0	PRELIMINARY RISK ASSESSMENTS	9
3.1	Preliminary Geotechnical Risk Assessment	9
3.2	Environmental Conceptual Model	9
3.2.1	Methodology	
3.2.2	Summary of Plausible Sources	
3.2.3	Summary of Plausible Pathways	
3.2.4	Summary of Plausible Receptors	
3.3	Preliminary Risk Assessment Summary	
4.0	BASEMENT IMPACT ASSESSMENT SCREENING	
4.0 4.1	Screening Assessment	
4.1.1	Subterranean (Groundwater) Screening Assessment	
4.1.2	Stability Screening Assessment	
4.1.3	Surface Flow and Flooding Screening Assessment	
5.0	SCOPING	
5.1	Potential Impacts	
6.0	GROUND INVESTIGATION	
6.1	Scope of Works	
6.2	Investigation Strategy	
7.0	ENCOUNTERED CONDITIONS	18
7.1	Ground Conditions	18
7.2	Existing Foundations	18
7.3	Groundwater	19
7.4	Obstructions	
7.5	Geochemical Analysis	
7.6	Geotechnical Laboratory Results	
7.7 7.7	Geotechnical Design Parameters	
7.7 8.0	ENGINEERING CONSIDERATIONS	
	Traditional Foundations	
8.1		
8.2	Excavations	
8.3	Basement Construction	
8.4	Basement Retaining Walls	22



8.5	Sub-Surface Concrete	22
9.0	GROUND MOVEMENTS	
9.1	Vertical Movements Due to Excavation (Short Term)	23
9.2	Vertical Movements Due to Excavation (Long Term)	24
9.3	Movements due to pile installation, underpin construction and basement excavation.	.24
9.4	Building Damage Assessment.	25
9.5	Utilities	28
9.6	Monitoring	28
10.0	ENVIRONMENTAL CONSIDERATIONS	29
10.1	Outline Risk Assessment	29
10.2	Soil Contamination vs. End Users	
10.3	Soil Contamination vs. Adjacent Land Users	31
10.4	Soil Contamination vs. Soft Landscaping	31
10.5	Soil Contamination vs. Infrastructure	32
10.6	Ground Gases	
10.7	Waste	
	Reuse of Material	
	Reuse of Waste	
	Disposal to Landfill	
10.7.4	Waste Classification	34
10.8	Discovery Strategy	34

FIGURES

FIGURE 1	Site Location Plan
FIGURE 2	Exploratory Hole Location Plan
FIGURE 3	Short Term Heave Contour Plot
FIGURE 4	Long Term Heave Contour Plot
FIGURE 5	Vertical Settlement Due to Excavation
FIGURE 6	Horizontal Movement Due to Excavation
FIGURE 7	Damage Classification Chart for Neighbouring Party Wall
FIGURE 8	Damage Classification Chart for Neighbouring Front Facade
FIGURE 9	Damage Classification Chart for Neighbouring Internal Perpendicular Wall
FIGURE 10	Damage Categories by Structures

APPENDICES

APPENDIX A:	Desk Study Information
APPENDIX B:	Exploratory Hole Logs & Foundations Sketches/Photographs
APPENDIX C:	Gas Assessment Sheet
APPENDIX D:	Geotechnical Laboratory Results
APPENDIX E:	Geochemical Laboratory Results, CLEA v1.06 & Statistical Calculations
APPENDIX F	PDisp & XDisp Printouts
APPENDIX G	ARUP Hydrogeological Figures



1.0 INTRODUCTION

1.1 General

Geo-Environmental was instructed by Quadrant Harman on behalf of Marcus Cooper Group to investigate the geotechnical and geo-environmental factors pertaining to the proposed redevelopment of 1 Wadham Gardens, London, National Grid coordinates at centre: 527040, 183950, see Figure 1.

1.2 Form of Development

It was understood that it was intended to partly demolish the existing detached house, extend and construct a basement below the retained building. The superstructure is load bearing masonry which is to be supported by the new basement. It is understood from the Client that the new basement is anticipated to be formed by underpinning the perimeter walls.

1.3 Objectives

The investigation was to comprise a desk study of geotechnical and environmental factors pertaining to the site, including a site walkover survey, a review of available historical maps and an examination of other sources of geo-environmental and geotechnical information. Subject to the findings of the desk study, an intrusive investigation was to be undertaken into the geotechnical and geo-environmental conditions pertaining to the site.

The data from the geotechnical investigation was to form the basis of an interpretation with respect to foundation design, basements, retaining walls, concrete specification and excavation stability.

In terms of the environmental investigation, a Preliminary Risk Assessment (PRA) was undertaken as part of the desk study in accordance with CLR11, in order to provide a basis for the scope and rationale of the subsequent Phase II ground investigation. The data from Phase I and Phase II were then to form the basis of a subsequent Generic Quantitative Risk Assessment (GQRA). The objective of the risk assessments was to evaluate the risks posed to the proposed redevelopment, adjacent land uses, and the wider environment, in the context of the development options, immediate liabilities under the Environmental Protection Act 1990, and risks posed to Controlled Waters under the Water Resources Act.

1.4 Site Description

The site comprised an approximately rectangular shaped parcel of land which was occupied by a large one to two storey residential property, which at the time of the investigation was divided into apartments. The property was constructed of load bearing masonry with the footprint of the structure occupying the majority of the plot. Around the perimeter of the property there were areas of hard landscaping covered by gravel and paving with occasional semi-mature trees on and around the boundaries. The topography of the site was relatively flat and level although there was a small retaining wall at the northern end of the site with a step-up of approximately one metre to a higher level adjacent to the boundary.

To the north the property was bounded by the garden of a residential property with the house beyond. On the eastern side, the property was bounded by Wadham Gardens with further residential properties beyond. Elsworthy Road was located to the south of the property with further residential properties



beyond. Beyond the western boundary of the site was a further residential property of a similar size and scale to 1 Wadham Gardens. The party wall was estimated to be approximately 2m remote from the proposed excavation. It was confirmed by the Structural Engineer that there were no basements adjacent to the site

1.5 Standards

Where practicable, the ground investigation and subsequent environmental assessments were undertaken in accordance with the following documents and guidance:

- British Standards Institute Code of Practice for Site Investigations (BS5930:2015).
- British Standards Institute Code of Practice for the Characterisation and Remediation from Ground Gas in Affected Developments (BS8485:2015).
- British Standards Institute Eurocode 7 Geotechnical Design Parts 1 & 2 (BS EN1997-1:2004 & BS EN1997-2:2007).
- British Standards Institute Investigation of Potentially Contaminated Sites Code of Practice (BS10175:2011).
- British Standards Institute Soils for Civil Engineering Purposes (BS1377:1990).
- Building Research Establishment The Performance of Building Materials in Contaminated Land (BRE255) (1994).
- Construction Industry Research and Information Association Assessing risks posed by hazardous ground gases to buildings (C665) (2007).
- Department for Communities and Local Government National Planning Policy Framework (2012).
- Department for Environment Food and Rural Affairs and Environment Agency Model Procedures for the Management of Contaminated Land (CLR11) (2004).
- Department of Environment Industry Profiles (1995 1996).
- Environment Agency Guidance for waste destined for disposal in landfills (2006).
- Environment Agency Guidance on Requirements for Land Contamination Reports (2005).
- National House Building Council, Environment Agency & Chartered Institute of Environmental Health - Guidance for the Safe Development of Housing on Land Affected by Contamination (R&D Publication 66) (2008).
- National House Building Council Guidance on evaluation of development proposals on sites where methane and carbon dioxide are present (10627-R01[04]) (2007).
- National House Building Council Standards, Chapter 4.1 Land Quality Managing Ground Conditions (1999).

1.6 Conditions

The data collected from the investigations have been used to provide an interpretation of the environmental conditions pertaining to the site. The recommendations and opinions expressed in this report are based on the data obtained. Geo-Environmental takes no responsibility for conditions that either have not been revealed in the available records, or that occurs between or under points of physical investigation. Whilst every effort has been made to interpret the conditions, such information is only indicative and liability cannot be accepted for its accuracy.



It should be noted that in particular the concentrations and levels of mobile liquid and gaseous materials are likely to vary with time. The results obtained may therefore only be representative of the conditions at the time of sampling. This report should not be taken as any guarantee that a site is free of hazardous or potentially contaminative materials.

Information contained in this report is intended for the use of the Client, and Geo-Environmental can take no responsibility for the use of this information by any party for uses other than that described in this report. Geo-Environmental makes no warranty or representation whatsoever express or implied with respect to the use of this information by any third party. Geo-Environmental does not indemnify the Client or any third parties against any dispute or claim arising from any finding or other result of this investigation report or any consequential losses.

Assessment criteria or other parameters developed for the evaluation of contamination on this site are based on a number of assumptions regarding exposure and toxicology, and exposure to contaminants and levels of adverse effects may therefore vary. Whilst every care and expertise has been employed in the development of such criteria, no liability is accepted in this respect. Other criteria or guidance on the development of assessment criteria may be published in the future, and no liability is accepted in this respect.



2.0 DESK STUDY SUMMARY

The findings of the Phase I desk study are presented in the following section. A copy of the historical maps and other information obtained as part of the desk study are presented in Appendix A. Comments made in the following section regarding possible ground conditions on the site are based purely on the desk study.

2.1 Historical Mapping

Historic map extracts dating back to 1850 were obtained as part of the desk study. A summary of the apparent key features noted on the map extracts both on the site and within the local area is presented in Table 2.1.

Date	On Site	Off Site	
1850	The site was shown to comprise a large field.	Expansive open fields surround the site.	
1871	No changes shown.	The immediate surrounding area was shown to	
		comprise mainly residential developments to the	
		north, south and west. East of the site comprised	
		open fields with occasional trees.	
1873-	No changes shown.	No significant changes shown.	
1882			
1896	No changes shown.	A plot labelled as "nursery" and a small property	
		immediately north of the site.	
1915	Site comprises of a small property on Wadham	Surrounding fields converted into residential areas as	
1000	Gardens.	"Wadham Gardens" and "Elsworthy Road".	
1920	No changes shown.	No significant changes shown.	
1935	The building appeared to have been extended	No significant changes shown.	
12.12	further to the north.		
1946	Map depicts a number of trees on the property.	No significant changes shown.	
1951	No changes shown.	No significant changes shown.	
1953-	No changes shown.	No changes shown.	
1955			
1957-	No changes shown.	No changes shown.	
1958			
1960-	No changes shown.	Small residential development approximately 100m	
1966		north-west of the site.	
1967-	No significant changes shown.	Development immediately north of the site.	
1972			
1974-	No changes shown.	No significant changes shown.	
1976			
1985	Maps lack sufficient detail to determine if any	Maps lack sufficient detail to determine if any changes	
4004	changes of significance are shown.	of significance are shown.	
1991-	No changes shown.	No significant changes shown.	
1996	N. L	No. 2 m 15 m	
2006	No changes shown.	No significant changes shown.	
2015	No changes shown.	School roughly 200m north-west has appeared to	
1		have been extended.	

Table 2.1: Summary of Historical Map Extracts



2.2 Geology

With reference to British Geological Survey (BGS) mapping, the geology of the site was anticipated to comprise the London Clay Formation.

The **London Clay Formation** comprises brown to bluish grey clay, often weathering to brown. It contains variable amounts of fine-grained sand and silt; and beds of calcareous 'cementstone' occur throughout the formation. Due to the degradation of pyrite found within the weathered portion of the London Clay, selenite crystals (calcium sulphate) occur frequently.

Using historic borehole records obtained from the BGS website, a general summary of the likely geological stratum beneath the site and in the surrounding area is presented in Table 2.2.

Made Ground London Clay Formation					
Top (m bgl)	Base (m bgl)	Top (m bgl)	Base (m bgl)	Location from Site	
0.00	3.00	3.00	15.00+	283m east	
N/A	N/A	0.30	18.00+	293m North-west	
0.00	0.40	0.40	35.00+	500m south	

Table 2.2: Summary of Historical Borehole Logs

2.3 Hydrogeology

With reference to Envirocheck data, the bedrock geology (London Clay Formation) beneath the site is indicated to be an Unproductive stratum. No superficial deposits were anticipated on site.

Unproductive strata are rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow.

Furthermore, reference has been made to the historical borehole records with regards to potential groundwater. There were no historic occurrences of groundwater within the borehole records viewed as part of the desk study.

The site is indicated to fall within the Barrow Hill Source Protection Zone (SPZ), under authority of the Environment Agency. An SPZ is a protection zone placed around a well or borehole that supplies groundwater of potable quality. However, it is anticipated that the SPZ designation would relate to groundwater within the Chalk which is located at considerable depth beneath the London Clay Formation, the latter and underlying Lambeth Group being considered as aquitards and thus providing separation from the groundwater at depth beneath the site.

No recorded pollution incidents, licensed abstraction points or discharge consents to controlled groundwater were identified as part of the desk study within a 250m radius of the site boundary.



2.4 Hydrology

With reference to the Landmark dataset, no surface water features were identified on site or within a 250m radius of the site boundary. The nearest surface water feature is 394m north-west of the site.

The site is indicated to be outside of any current indicative tidal or fluvial flood plain, or any associated flood warning area.

With reference to the publication "The Lost Rivers of London" two tributaries of the River Tyburn formerly flowed north to south in the area. The eastern portion was indicated to be located c.120m to the east and crossed Wadham Gardens and Elsworthy Road. The western arm of the Tyburn flowed north to south approximately 150m to the west of the site before joining the eastern arm and flowing into the boating lake in Regent's Park.

No recorded pollution incidents, licensed abstraction points or discharge consents to controlled surface waters were identified as part of the desk study within a 250m radius of the site boundary.

2.5 Geochemistry

A large portion of the UK's urban soils have naturally elevated concentrations of some potentially harmful chemicals. In some cases these exceed the respective generic assessment criteria (GAC) or Defra's Category 4 Screening Levels (C4SLs). A summary of the estimated urban soil chemistry for the area is presented on the Table 2.3:

Determinant	Concentration (mg/kg)	In Excess of Threshold*?	
Arsenic	15	No	
Cadmium	0.30	No	
Chromium	110	No	
Lead	2419	Yes	
Nickel	40	No	

NOTE: * Comparative threshold concentrations are for a residential end use with plant uptake

Table 2.3: Summary of Site Geochemistry

It should be noted that these values are not necessarily representative of the site's soil chemistry. Furthermore, GACs and C4SLs are dependent on pH and soil organic matter content. Therefore, concentrations of specific determinants and the utilised threshold cannot be determined without site specific investigation and analysis.

2.6 Sensitive Land Uses

A search was made of environmentally sensitive areas, including areas of green belt, scenic or natural beauty, parks, reserves, nitrate zones, protected conservation and scientific areas.

The site was not indicated to occupy any such land uses/designations. Nor were any identified within a 250m radius of the site boundary.



2.7 Environmental Data

Searches of other various environmental databases were made as part of the desk study, including air pollution control sites, Part IIA contaminated land, Integrated Pollution Control (IPC) and Integrated Pollution Prevention and Control (IPPC) sites, registered radioactive substances, COMAH sites, explosives sites, Notification of Installations Handling Hazardous Substances (NIHHS) sites, planning permissions for sites involving hazardous substances, contemporary trade directories and fuel station registers.

The desk study did not identify any Local Authority Pollution Prevention and Controls entries within a 250m radius of the site boundary:

In addition, the desk study did not identify any potentially contaminative contemporary trade directory entries within a 250m radius of the site:

No other such potentially contaminative land uses were identified as part of the desk study within a 250m radius of the site boundary.

2.8 Geotechnical Data

The site lies within an area considered by the Coal Authority as an area that might not be affected by coal mining.

National databases for a number of different geological hazards have been compiled by the British Geological Survey (BGS), and a summary of the hazard data pertaining to the site itself is presented on Table 2.4:

Hazard	Designation
Collapsible ground	Very Low
Compressible ground	No Hazard
Ground dissolution	No Hazard
Landslide	Very Low
Running sand	No Hazard
Swelling clay	Moderate

Table 2.4: Summary of BGS Geological Hazards

2.9 Ground Gases

A search of BGS recorded landfill sites, IPC registered waste sites, licensed waste management facilities, local authority recorded landfill sites, other registered landfill sites, waste transfer stations, and other waste treatment or disposal sites was undertaken as part of the desk study. Such sites may form an artificial source of ground gases, such as carbon dioxide and methane, where wastes are buried or disposed of to landfill.

No such facilities or land uses were identified within a 250m radius of the site boundary.



2.10 Radon

Reference has been made to the Envirocheck data report, which indicates that the site lies in an area where radon protection measures are not required.

2.11 Previous Ground Investigations

Geo-Environmental was not aware of any previous ground investigations which may have been undertaken on the site.

2.12 Generic Contamination

The site has been a residential plot since the earliest map extracts of 1869. This land use is not covered by the National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (2008), provides a summary of industrial profiles (1995 - 1996) published by the former Department of the Environment (DoE) (now part of the Department for Environment, Food and Rural Affairs [DEFRA]).

However, the near surface soils may have been impacted by heavy metals and organic pollutants such as polyaromatic hydrocarbons (PAHs) through direct placement (in the form of ash or clinker) or through aerial deposition. The buildings on site may have been constructed using asbestos containing materials and therefore the potential presence of this contaminant within the near surface soils cannot be discounted.



3.0 PRELIMINARY RISK ASSESSMENTS

Based on the findings of the desk study, the following sections summarise the anticipated geotechnical and environmental factors likely to impact the site.

3.1 Preliminary Geotechnical Risk Assessment

Hazards identified as being potentially present on site could have implications for foundation design and construction. A summary of commonly occurring geotechnical hazards is given in Table 3.1:

Geotechnical Hazard	Probability	Engineering Implications		
Shrinkable soils	High	The London Clay Formation is likely to be shrinkable and may affect depth and type of foundations and floor slab design.		
Aggressive chemical ground conditions (sulphates)	Likely	The possible presence of aggressive chemical gro- conditions may affect foundation design and construction.		

Table 3.1: Possible Geotechnical Hazards

3.2 Environmental Conceptual Model

3.2.1 Methodology

A Preliminary Risk Assessment (PRA) and Conceptual Site Model (CSM) have been prepared in accordance with CLR11 based on information obtained as part of the desk study. Possible risks associated with potential sources of contamination and sensitive receptors identified have been assessed following a source-pathway-receptor (SPR) approach in accordance with current UK protocols.

A risk may only exist where a plausible SPR linkage is present, and where the quantity or concentration of a contaminant is sufficient so as to pose harm. Under the statutory definition, "Contamination" may only strictly exist where contaminants pose a risk of harm to a receptor. Risk may be defined as a function of the likelihood and severity of any adverse effects arising from contamination. The risk classification has been assessed in accordance with CIRIA C552 (Rudland *et al.*, 2001). A summary of how the risks are derived and their definitions are presented in Table 3.2 and 3.3 overleaf:



		Consequence			
		Severe	Medium	Mild	Minor
	High Likelihood	Very high risk	igh risk High risk Moderate risk		Moderate/low risk
Probability	Likely	High risk	Moderate risk	Moderate/low risk	Low risk
	Low Likelihood	Moderate risk	Moderate/low risk	Low risk	Very low risk
	Unlikely	Moderate/low risk	Low risk	Very low risk	Very low risk

Table 3.2: Risk Ratings Matrix

Risk Rating	Definitions
	There is a high probability that severe harm could arise to a designated receptor from an identified hazard, OR, there is evidence that severe harm to a designated receptor is currently happening.
Very high risk	This risk, if realised, is likely to result in a substantial liability.
	Urgent investigation (if not already undertaken) and remediation are likely to be required.
	Harm is likely to arise to a designated receptor from an identified hazard
High risk	Realisation of the risk is likely to present a substantial liability.
	Urgent investigation (if not already undertaken) is required and remediation works may be necessary in the short term and are likely over the longer term.
Moderate risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is either relatively unlikely that any such harm would be severe, or if any harm were to occur it is more likely that the harm would be relatively mild.
Moderate to low risk	It is possible that harm could arise to a designated receptor from an identified hazard. However, it is unlikely that any such harm would be severe, or if any harm were to
	occur it is probable that the harm would be relatively mild.
Low risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild.
Very low risk There is low possibility that harm could arise to a receptor. In the event of some being realised it is not likely to be severe.	

Table 3.3: Risk Ratings Definition



3.2.2 Summary of Plausible Sources

Possible sources of contamination identified or discounted as part of the desk study are summarised on Table 3.4:

Source	Description	Comments
Made Ground and	General background chemical quality of	Possible elevated metals, organic and
near surface soils	the near surface soils	inorganic contaminants

Table 3.4: Possible Sources of Contamination

3.2.3 Summary of Plausible Pathways

The plausible pathways are summarised below:

- direct contact (soil, dust and vegetable ingestion, dermal contact and dust inhalation);
- vertical and lateral migration including leaching;
- root uptake; and
- chemical attack of infrastructure (including water supply pipes) and building foundations.

3.2.4 Summary of Plausible Receptors

Potential receptors associated with the site and its development, identified or otherwise discounted, are summarised on Table 3.5:

Receptor	Description	Comments	
End Users	Occupants of the proposed residential development.	The development will have a private garden.	
Adjacent Land Users	Sensitive land uses identified within the immediate vicinity.	Adjacent land uses are generally commensurate with the proposed development i.e. residential.	
Soft Landscaping	Areas of planting including lawns, shrubs, trees, etc.	A private garden is proposed.	
Water Supply Pipes	New water pipes.	Pipes may be laid within Made Ground.	
Infrastructure	Buried concrete for foundations, etc.	Significant depths of Made Ground are not anticipated; limited chemical degradation of the near surface soils may have taken place	
Groundwater	Controlled waters contained within the aquifer(s) beneath the site.	the site lies upon an Unproductive stratubut is within a SPZ. The SPZ is thought relate to an abstraction from the Chaaquifer at a significant depth beneath the site and overlain by >80m of London Chacting as an aquitard.	
Surface Water	Controlled waters within lakes, rivers, and ponds, etc., or coastal waters.	No surface water features were identified within 250m of the site.	

Table 3.5: Possible Receptors of Contamination



Site workers involved in the preparation and construction of the development have not been considered in this assessment as the principal contractor is duty bound under the current CDM Regulations to undertake their own risk assessments with respect to their employees.

Whilst the above sources and receptors have been identified, Table 3.6 summarises the identified plausible pollution linkages:

Potential Source/Media	Potential Receptors	Possible Pathways	Probability	Consequence	Risk & Justification
	End Users	Direct contact	Likely	Mild	Moderate to Low Future residents are likely to come into contact with soils via direct contact in the private garden or home. The consequence is likely to be mild.
	Adjacent Land Users	Direct contact	Low	Mild	Low It is considered a low probability that adjacent site users will come into contact with soils on site. The consequence affected is likely to be mild.
Made Ground & near surface soils/Soil	Soft Landscaping	Root uptake	Likely	Minor	Low Root uptake is likely for plants but any consequence is likely to be minor.
	Water Supply Pipes	Chemical Attack	Likely	Mild	Moderate to Low Water pipes are likely to come into contact with impacted soils depending upon depth of installation and extent of soil impact. However, the consequence is anticipated to be mild.
	Infrastructure	Chemical Attack	Likely	Mild	Moderate to Low Foundations are likely to come into contact with aggressive soils depending upon depth of installation and extent of soil impact. However, the consequence is anticipated to be mild.

Table 3.6: Plausible Pollution Linkages

3.3 Preliminary Risk Assessment Summary

The PRA and CSM developed from the information gathered as part of the desk study process have identified several plausible pollutant linkages that exist in relation to the proposed redevelopment of the site. However, the preliminary risk rating for each linkage has been classified as moderate to low or low.



4.0 BASEMENT IMPACT ASSESSMENT SCREENING

The London Borough of Camden guidance suggests that any development proposal that includes a subterranean basement should be screened to determine whether or not a full Basement Impact Assessment (BIA) is required.

4.1 Screening Assessment

A number of screening tools are included in the Camden Borough Council document and for the purposes of this report reference has been made to Figures 1 to 3 of their report which include a series of questions within a screening flowchart for three categories: groundwater flow, land stability, and surface water flow. Responses to the questions are presented in Tables 4.1 to 4.3.

4.1.1 Subterranean (Groundwater) Screening Assessment

Question	Response for Site	Action
1a. Is the site located directly above an aquifer?	No. The underlying geology (London Clay Formation) is designated as an Unproductive Stratum and considered to represent an aquitard.	None
1b. Will the proposed basement extend beneath the water table surface?	No. Borehole records do not indicate the presence of groundwater within or at shallow depth beneath the anticipated construction depth zone.	None
2. Is the site within 100m of a watercourse, well (used/ disused) or potential spring line?	No known spring or well was identified within 100m of the site. The nearest surface water feature was >300m from the site. With reference to the "Lost Rivers of London" (mapping included within Arup 2010) tributaries of the Tyburn, would have been located circa 100m west of the site, however this is likely to be culverted.	None
3. Is the site within the catchment of the pond chains on Hampstead Heath?	No. Site is at an elevation of c.47.8mAOD compared to c.62mAOD for the lowest Hampstead Heath pond. As such being down gradient, the site is not within the catchment of the ponds.	None
4. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. The basement extension is beneath the existing ground floor.	None
5. As part of the site drainage, will more surface water (e.g. rainfall and run-off) than at present be discharged to the ground (e.g. via soakaways and/or SUDS)?	No new soakaways or SuDS are planned as part of the proposed development. Proposed site drainage will be connected to the existing mains sewers.	None
6. Is the lowest point of the proposed excavation (allowing for any drainage and foundation space under the basement floor) close to or lower than, the mean water level in any local pond or spring line?	No. The closest surface water feature is c. 394m south east at an elevation of 37m OD compared to the site's 47.8m OD as shown on OS terrain 50 mapping.	None

Table 4.1: Screening Assessment for Groundwater Flow

The above assessment has not identified any potential issues with regard to groundwater.



4.1.2 Stability Screening Assessment

Question	Response for Site	Action
1. Does the existing site include slopes, natural or manmade, greater than 7°?	No. The site is relatively flat and level as shown on Camden geological, hydrogeological and hydrological study, Slope Angle Map (Arup 2010)	None
2. Will the proposed re-profiling of landscaping at the site change slopes at the property boundary to more than 7°?	No. Re-profiling of landscaping at the boundaries of the site is not proposed.	None
3. Does the development neighbour land, including railway cuttings and the like, with a slope greater than 7°?	No. The surrounding area is relatively flat and level as shown on Camden Geological, hydrogeological and hydrological study, Slope Angle Map (Arup 2010)	None
4. Is the site within a wider hillside setting in which the general slope is greater than 7°?	No. With reference to the Slope Angle Map (Arup 2010), the site is not within a hillside setting but the wider area does contain minor slopes (<7°).	None
5. Is the London Clay Formation the shallowest strata at the site?	Yes , although some Made Ground may be present.	Investigation
6. Will any trees be felled as part of the proposed development and / or are any works proposed within any tree protection zones where trees are to be retained?	No. Any existing trees on site will be retained as part of the development.	None
7. Is there a history of seasonal shrink- swell subsidence in the local area and/or evidence of such effects at the site?	No. There is no known shrink/swell subsidence history at the site. However, the London Clay Formation was indicated to be of high volume change potential.	None
8. Is the site within 100m of a watercourse or potential spring line?	No. The nearest surface water feature is 394m north-west of the site.	None
9. Is the site within an area of previously worked ground?	No. The BGS mapping and the Camden Geological Map (Arup 2010), does not indicate the site to be situated within an area of worked ground. A limited thickness (0.60m) of Made Ground was encountered within the rear garden of the site.	None
10. Is the site within an aquifer?	No. The underlying geology (London Clay Formation) is designated as an Unproductive Stratum and considered to comprise and aquitard.	None
11. Is the site within 50m of Hampstead Heath ponds?	No. With reference to the Hampstead Heath Surface Water Features map (Arup 210), the nearest Hampstead Heath pond is situated approximately 1,860m to the north-east of the site.	None
12. Is the site within 5m of a highway or pedestrian right of way?	Yes, it is within 5m of Wadham Gardens.	Utilities Report & Assessment
13. Will the proposed basement significantly increase the differential depth of foundations relative to neighbouring properties?	Yes, the proposed basement foundation will be deeper than foundations for the existing neighbouring properties.	Investigation & Assessment
14. Is the site over (or within the exclusion zone of) any tunnels, e.g. railway lines?	No. With reference to True Geography of the London Underground, Rail Map Online, and Crossrail the closest tunnel is c.115m north the Euston to Watford Line.	None

Table 4.2: Screening Assessment for Land Stability



The above assessment has identified the following potential issues that need to be assessed:

Q5 The London Clay Formation is the shallowest stratum at the site.

Q12 The site is within 5m of Wadham Gardens.

Q13 The proposed basement foundation will be deeper than the existing neighbouring

properties.

4.1.3 Surface Flow and Flooding Screening Assessment

Question	Response for Site	Action
1. Is the site within the catchment of the pond chains on Hampstead Heath?	No. With reference to Arup 2010, the site is situated outside of the Hampstead heath surface water catchments and drainage.	None
2. As part of the proposed site drainage, will surface water flows (e.g. volume of rainfall and peak run-off) be materially changed from the existing route?	No. Storm water will utilise existing sewer connections.	None
3. Will the proposed basement development result in a change in the proportion of hard surfaced / paved areas?	No. Basement is beneath footprint of existing ground floor. Infiltration properties of the site will remain unchanged.	None
4. Will the proposed basement development result in changes to the profile of the inflows (instantaneous and long term) of surface water being received by adjacent properties or downstream watercourses?	No. Basement is beneath footprint of existing ground floor.	None
5. Will the proposed basement result in changes to the quantity of surface water being received by adjacent properties or downstream watercourses?	No. Basement is beneath footprint of existing ground floor.	None
6. Is the site in an area known to be at risk from surface water flooding, or is it at risk of flooding because the proposed basement is below the static water level of a nearby surface water feature?	No. With reference to the map extracts from Camden geological, hydrogeological and hydrological study (Arup 2010) the nearest recorded flood event in the immediate area was from 1975 c.500m north.	None

Table 4.3: Screening Assessment for Surface Water Flow

The above assessment has not identified any potential issues with regard to surface flow and flooding.



5.0 SCOPING

The purpose of scoping is to assess in more detail the factors to be investigated in the impact assessment. Potential consequences are assessed for each of the identified potential impact factors.

5.1 Potential Impacts

The following potential impacts have been identified. It should be noted that all potential impacts were identified within the land stability screening process.

Question	Comment
The London Clay Formation is the shallowest stratum	The London Clay Formation is prone to seasonal
at the site	shrink-swell (subsidence and heave).
Is the site within 5m of a highway or pedestrian right of way?	The site is within 5m of Wadham Gardens.
The proposed basement foundation will be deeper than the existing neighbouring properties	Excavation for a basement may result in structural damage to neighbouring properties if there is a significant differential depth between adjacent foundations.

Table 5.1: Summary of Potential Impacts

These potential impacts have been assessed by a site investigation and utilities report, as detailed in the following section.



6.0 GROUND INVESTIGATION

6.1 Scope of Works

In summary, the following scope of works for the intrusive investigation was specified by the Client:

- The construction of four window sample boreholes to a depth of 5.00m with regular sampling and in situ testing as appropriate to the conditions encountered.
- The installation of two groundwater and ground gas monitoring standpipes with four return monitoring visits. This was agreed with the Client prior to completing the desk study or intrusive investigation and thus enabled monitoring to be undertaken if a plausible pollutant linkage was identified during the desk study or intrusive investigation.
- The excavation of three trial pits to reveal and record the foundations of the existing building on site.
- Laboratory based testing for geotechnical and environmental parameters.

It should be noted that access to the site was restricted which resulted in the window sampling method being limited to hand-held equipment rather than a tracked rig. As a result, the depth the boreholes could be drilled to was limited.

6.2 Investigation Strategy

Tables 6.1 and 6.2 summarise the strategy of the preliminary environmental and geotechnical investigations.

Environmental Area of Concern	Investigation	Positions
Made Ground & Near Surface Soils	Window sample boreholes located across the site, coupled with sampling and laboratory analysis	WS1 – WS4

Table 6.1: Summary of Environmental Investigation Strategy

Geotechnical Area of Concern	Investigation	Positions
Shrinkable Soils	Window sample boreholes located across the site, coupled with regular sampling and laboratory analysis	WS1 – WS4
Existing Foundations	Hand excavated trial pits located adjacent to the building to reveal and plot the existing foundations	TP1 – TP4
Groundwater	A standpipe was installed in order to record water levels.	WS2 & WS4

Table 6.2: Summary of Geotechnical Investigation Strategy

Based on the agreed scope of works, it was possible to make a preliminary appraisal for each area of geotechnical and environmental concerns identified as part of the investigation.



7.0 ENCOUNTERED CONDITIONS

A factual record of the conditions encountered during the physical investigation of the site is presented in the following sections.

For further details of the ground conditions, reference should be made to the exploratory hole logs and foundation sketches/photographs presented in Appendix B, the groundwater/gas monitoring assessment presented in Appendix C, the geotechnical testing results in Appendix D, and the chemical testing results in Appendix E.

The physical ground investigation works were undertaken during September 2015. Both geotechnical and contamination testing was undertaken by UKAS accredited laboratories.

Unless stated otherwise, all depths are reported as metres below ground level (m bgl).

7.1 Ground Conditions

According to published information the anticipated geological succession beneath the site was indicated to comprise the London Clay Formation. The investigation encountered the London Clay Formation beneath variable thicknesses of Topsoil and/or Made Ground in all locations. A summary of the encountered soil conditions is presented in Table 7.1.

Top (m bgl)	Base (m bgl)	Description	Position
0.00 - 0.10	0.30 - 0.40	Topsoil: Black very silty clay with occasional brick fragments.	WS2, WS3 & WS4
0.00 - 0.40	0.55 - 0.60	Made Ground: Heterogeneous soils comprising reworked orangish brown clay, gravel and demolition rubble.	All
0.55 – 0.60	3.00 - 4.50	London Clay Formation: Firm to very stiff orangish brown silty CLAY	All

Table 7.1: Summary of Ground Conditions

For further details of the ground conditions encountered, reference should be made to the borehole logs presented in Appendix B.

7.2 Existing Foundations

Four hand excavated pits were located adjacent to buildings on site to reveal and plot the profiles of the existing foundations. A summary of the existing foundations encountered within the hand pits (referenced TP1 to TP4) is presented in Table 7.2.



Location	Total Depth (mm bgl)	Total Step-Out (mm)	Founding Stratum	Comments
TP1	980	90	London Clay Formation	N/A
TP2	680	60	Unproven	Foul water ingress into pit. Pit terminated on H&S grounds.
TP3	1620	240	London Clay Formation	N/A
TP4	1102	150	London Clay Formation	N/A

Table 7.2: Summary of Existing Foundations

For further details, reference should be made to the foundation sketches and photographs in Appendix B.

7.3 Groundwater

Groundwater was not encountered in the boreholes during the intrusive investigation. However, what appeared from the odour to be foul water was encountered in TP2, which prevented further excavation.

Two groundwater monitoring standpipes were installed in WS2 and WS4 to a depth of 3.0m and 4.50m bgl respectively and were monitored on four occasions during September 2015.

During the first return visit each standpipe was recorded as being dry. During the subsequent monitoring visits, groundwater was recorded at depths of between 2.12m and 3.16mbgl. However, it is likely that this represents an accumulation of perched water, e.g. from a possible leaking drain as tentatively identified in TP2, or infiltration from within the Made Ground and is not necessarily the true groundwater level.

However, changes in groundwater levels do occur for a number of reasons including seasonal effects and variations in drainage. Such fluctuations may only be recorded by the measurement of the groundwater level within a standpipe or piezometer.

7.4 Obstructions

No obstructions were not encountered during the intrusive investigation. However, the presence of obstructions elsewhere on site cannot be discounted.

7.5 Geochemical Analysis

In order to assess the general chemical quality of the strata encountered, samples of soils recovered from the exploratory holes were submitted for analysis for a range of potential contaminants selected on the basis of the findings of the desk study and supported by the joint National House Building Council (NHBC), Environment Agency (EA) and Chartered Institute of Environmental Health (CIEH) publication, 'Guidance for the Safe Development of Housing on Land Affected by Contamination' (2008).

Soil samples were placed into plastic containers for general inorganic analysis and into amber jars for organic analysis. Samples were stored in temperature controlled conditions from sampling until receipt at the laboratory from which time sample preparation and storage was determined by testing requirements and in line with the laboratory's protocols.



Four soil samples were submitted for analysis of a comprehensive suite of commonly occurring brownfield contaminants based upon determinants listed within the above guidance. In addition, asbestos screens were undertaken on all of the above samples.

7.6 Geotechnical Laboratory Results

Atterberg Limit tests were undertaken on eight samples of the London Clay Formation, with the results indicating Plasticity Indices ranging between 30 and 52. The corresponding Moisture Content analyses indicated moisture contents ranging between 20% and 30%.

pH and water soluble sulphate determinations were undertaken on four samples of the London Clay Formation. The results indicate pH values of between pH7.86 and pH8.0, with water soluble sulphate concentrations of between 0.33g/l and 1.18g/l.

7.7 Geotechnical Design Parameters

Geotechnical design parameters for the proposed development are summarised in Tables 7.3 and 7.4 below, they are based on the results of laboratory and in-situ testing and published data for the well-studied London Clay. The undrained Youngs Modulus E_u and drained Young's Modulus E' were calculated based on $E_u = 500S_u$ and $E' = 0.7E_u$ (Edited by J B Burland, 2001). There is considered to be sufficient published information on the strength of the London Clay to assume a linear increase in strength between the base of the borehole and the rigid boundary. Undrained shear strength (Su) in the London Clay is based on a conservative design line derived from Su = 40 + 5.5z where z is the depth below the top of the strata.

Strata	Level at top (bgl))	Young's M	odulus (kPa)	Poisson's ratio
		Тор	Bottom	
Made Ground	0	10,000	10,000	0.2
London Clay	0.6	30,000	220,000	0.5

Rigid boundary taken as -80.0mbgl, inferred base of London Clay.

Table 7.3: Undrained Parameters

Strata	Level at top (mOD)	Young's M	odulus (kPa)	Poisson's ratio
		Тор	Bottom	
Made Ground	0	7,000	7,000	0.20
London Clay	0.6	21000	154,000	0.20

Rigid boundary taken as -80.0mbgl, inferred base of London Clay.

Table 7.4: Drained Parameters



8.0 ENGINEERING CONSIDERATIONS

Subsequent to intrusive investigation of the site and receipt of the laboratory results, the following interpretative assessments have been made with respect to engineering considerations. It is understood that plunge piles are likely to be used to support loads from the upper floors of the development during construction and may at the end of construction be used as tension piles beneath the basement. In order to obtain the necessary geotechnical parameters for a pile design further investigation by means of a cable percussion rig is likely once the site has been secured for construction.

8.1 Traditional Foundations

It is understood that it is proposed to underpin the existing foundations with underpins taken down to bear at a depth of c. 3.5-4.0mbgl.

Based on the ground conditions and results of the dynamic probe tests, a net allowable bearing capacity of 160kPa is recommended for 700mm wide underpinning bearing at approximately 4.0mbgl within the stiff clay of the London Clay Formation. For raft foundations the net allowable bearing capacity should be limited to 40kPa in order to limit total and differential settlements. These bearing capacities should ensure that settlements remain within tolerable limits.

Based on the encountered conditions within the hand excavated trial pits the existing foundations appear to be bearing onto the London Clay Formation. Conventional underpinning or piled underpinning techniques are likely to be appropriate for the construction of the new basement level and for party wall issues.

It has been assumed that the existing party wall foundations are bearing at a depth of c.1.0mbgl.

8.2 Excavations

Shallow excavations within the Made Ground are likely to remain stable in the short term. However, longer deeper excavations within these strata are unlikely to remain stable and some form of temporary support will be necessary. However, the conditions encountered in TP2 were considered likely to indicate a leak from a foul water pipe and this could have resulted in the presence of saturated and/or softened ground, or the presence of a potentially significant volume of perched foul water within the proposed excavation area. This should be investigated further and relevant repairs and construction precautions/contingency measures put in place.

Both shallow and deeper excavations within the cohesive London Clay Formation should remain relatively stable in the short to medium term. However, the clays will soften rapidly when in contact with water and all foundation trenches should be concreted or blinded immediately upon excavation.

Appropriate Health and Safety precautions should be adopted where man entry into excavations is required. However, groundworks should be designed in such a manner to avoid man entry into excavations.



8.3 Basement Construction

Table 8.1 summarises the groundwater conditions anticipated at this site.

Groundwater	No	Standing groundwater is not anticipated within the depth of basement construction.
Perched water	Yes	Perched water may occur locally within any more granular Made Ground overlying the London Clay Formation, though these water bodies are anticipated to be limited in volume. There is also potential for an existing foul water pipe to be leaking and this should be investigated prior to construction.

Table 8.1:Summary of Anticipated Groundwater Conditions

Some limited groundwater control may be required where excavations intercept any perched water trapped within any more granular superficial deposits.

Based on the results of the investigation and the general hydrological conditions within the surrounding environs, it is considered that the construction of the basement will have a negligible effect on the existing groundwater regime in respect of the wider environment.

The basement should be fully tanked and therefore should be designed to resist hydrostatic pressures. It is recommended that the worst case water level is assumed to be ground level.

8.4 Basement Retaining Walls

The full design of any proposed retaining structures was beyond the scope of the report. However, the following values are given as a guide to assist in the design of retaining walls. These parameters assume a level surface to the rear of the retaining wall. The values have been obtained from British Standard 8002:2015 entitled "Code of Practice for Earth Retaining Structures", based on concrete retaining wall construction.

London Clay Formation	Value
Critical state angle of shearing resistance, φ' (degrees)	21
Effective Cohesion kN/m ²	0
Saturated Bulk Weight (γ _{sat}) kN/m ³	19.0

Table 8.2 Summary of Values for Design of Retaining Walls

8.5 Sub-Surface Concrete

The result of the sulphate and pH analyses showed the soil samples tested to have water soluble sulphates ranging between design sulphate (DS) class DS-1 and DS-2 of BRE Special Digest 1. It is recommended that the soils on site be classified *en masse* as DS-2. An aggressive environment for concrete (ACEC) classification of AC-1s is deemed appropriate for the site.

The advice of this publication should be taken for the design and specification of all sub-surface concrete.



9.0 GROUND MOVEMENTS

There is the potential for ground movements due to the proposed development, from the excavation process, including formation of underpins, and from the changes in vertical stress within the soil resulting from the changes in loading from the development.

The effect of excavating soil is to cause a reduction in stress at the new formation level, due to the weight of the overburden removed. Since typically, construction follows on shortly after excavation, this unloading of the ground is normally modelled as producing a short term (undrained) response. However, if there is a delay in the construction phase, a fully drained response to the unloading may develop. In the case of the proposed development, it is assumed that basement excavation will be quickly followed by construction and hence modelling an undrained response is applicable.

The loading that results from the new construction will apply in the long term, over the structure's lifetime. Hence there will be both a short term and long term response. Generally, the long term behaviour results in larger movements. The overall movement of the ground following construction is, however, driven by the total changes in loading that have occurred; thus it is a combination of the unloading caused by demolition and excavation of soil and the imposed loading from the new structure.

The ground response to stress changes have therefore been modelled in the short term for the unloading caused by excavation and removal of overburden pressure. The long term response has been modelled for the net stress change caused by the combination of demolition, the excavation and new loading.

9.1 Vertical Movements Due to Excavation (Short Term)

The OASYS Software PDISP (V19.3) has been used to model the ground movements associated with the changes in stress calculated for the basement excavation and subsequent development. PDISP assumes a linear elastic behaviour of the soil and a flexible structure. In reality, the stiffness of the structures will tend to redistribute the movements, when compared to those predicted by PDISP. The movement calculations therefore represent free field movements unaffected by the stiffness of the structures and are likely to be conservative (i.e. the distortions of the structure would be less than those obtained from the predicted movements).

It is understood that tension piles are likely to be used at the base of the excavation, but the analysis has taken no account of these.

The assessments were undertaken using soil parameters (undrained and drained) derived from the ground investigation to model the stiffness behaviour. A rigid base for the analysis was taken as -80mbgl, which was the inferred depth to the geological boundary with the Lambeth Group beneath the London Clay.

It was estimated that the stress relief due to unloading would be c. 70kPa. Based on an excavation measuring c.32m by 12m, the short term analysis estimated a maximum short term heave of about 12mm occurring within the centre of the excavation (see Figure 3). Predicted heave movements beneath the party walls ranged between a minimum of 2mm at the corners to a maximum of 4mm at the midpoint of the excavation.

It should be noted that the values of heave given at the party walls do not take into account any restraining effect the proposed underpins would have on vertical movements.



It should be noted that in practice, the heave movements that develop from unloading the soil do not occur in isolation from other ground movements (settlements) associated with basement construction so it is unlikely the magnitudes of movement calculated around the perimeter of the excavation would be realised.

9.2 Vertical Movements Due to Excavation (Long Term)

The movements of the ground following construction were also analysed for the long term (drained) case. The analyses were undertaken for the combination of the unloading due to demolition / excavation and then the reloading for the new construction.

The analyses using PDISP indicated that peak heave movements in the long term would occur under the area of greatest vertical stress removal, with a magnitude of about 18mm. The long term heave along party wall was predicted to have the same pattern as that for the short term unloading (see Figure 4). Predicted heave movements the beneath the party walls ranged between a minimum of 4mm at the corners to a maximum of 7mm at the midpoint of the proposed excavation.

However, it should be reiterated that in practice, the heave movements that develop from unloading the soil do not occur in isolation from other ground movements (settlements) associated with basement construction so it is unlikely the magnitudes of movement calculated around the perimeter of the excavation would be realised.

A copy of the printouts from PDISP are presented in Appendix F.

9.3 Movements due to pile installation, underpin construction and basement excavation.

In addition to the movements due to the changes in vertical stress which have been modelled using Pdisp, the ground movements around the excavation have also been modelled using OASYS Xdisp. Each wall around an excavation is assigned as horizontal and vertical ground movement curve that are used to calculate the displacements at various distances from the excavation.

Ground movements resulting from underpinning are not well documented, and there is no specific method for assessing their magnitude. When underpinning is carried out in a well-controlled manner, movements are typically small.

To provide some basis of estimating likely movements and damage resulting from excavating the basement in front of the underpinning, and in the absence of underpinning-specific guidance, the underpinned sections of the new basement have been treated as bored piles.

The assessment of the ground movements due to the construction of the underpins and subsequent excavation has been undertaken in accordance with methodology provided in CIRIA guide C580, "Embedded retaining walls – guidance for economic design". This provides guidance on the horizontal and vertical movements at the soil surface adjacent to an embedded retaining wall as a result of pile installation and of excavation in front of the wall. The guidance is based on numerous case histories, and based on the construction methodology proposed in this case a high stiffness (propped) retaining wall has been assumed. The guidance states that few walls are constructed entirely in stiff overconsolidated fine-grained soils. Although walls may be embedded into such soils, it is likely that they will also retain other soils such as Made Ground, River Terrace Deposits and other alluvial soils. The guidance and principles presented in the guidance also apply to these ground conditions. It is therefore considered a suitable methodology for the ground conditions encountered at Wadham Gardens.



The walls are proposed to be underpinned, rather than piled. It is intended that the underpins will be constructed following a typical underpin 'hit-and-miss' sequence. It is expected that the underpins will be constructed to full depth in a number of stages of pin construction. It is assumed that a high stiffness support system will be applied to the underpins when the main excavation works are undertaken.

Ground movement guidance in C580 is divided into movements resulting from pile installation and from the mass excavation in front of the wall.

Based on the proposed excavation depth of c.3.5m the Xdisp analyses indicates settlements around the perimeter of the excavation (at ground level) of 3-4mm. Settlements are likely to become negligible (<1mm) at a distance of 8m from the excavation. A contour plot of the settlements is presented in Figure 5.

The movements given by CIRIA are for excavations with straight walls; corners tend to restrict movements, such that horizontal deflections towards an excavation in the vicinity of a corner to the excavation are typical reduced to about half that predicted from 'plane strain' movements, though this does not apply for re-entrant corners. The effect of the corner stiffening is calculated in Xdisp in accordance with the methodology derived by Fuentes R. and Devriendt M. (2010).

Horizontal movements in towards the excavation have also been analysed using Xdisp and are likely to be in the order of 6-7mm at the perimeter of the excavation, becoming negligible at 12m from the excavation. As stated above the Xdisp analyses has considered corner stiffening which serve to restrict movements at the corners of excavations. A contour plot of the settlements is presented in Figure 6.

A copy of the printouts from PDISP are presented in Appendix F.

9.4 Building Damage Assessment.

The adjoining structures have been modelled in Xdisp in order to assess the potential category of damage in accordance with the criteria derived by Burland (1997) presented overleaf:



Damage Category	Category of damage	Description of typical damage* (Ease of repair is underlined)	Approx. crack width* (mm)	Limiting tensile strain (%)
0	Negligible	Hairline cracks	< 0.1	< 0.05
1	Very Slight	Fine cracks that can easily be treated during normal decoration. Perhaps isolated slight fracture in buildings. Cracks in external brickwork visible on inspection.	_ 1	0.05 - 0.075
2	Slight	Cracks easily filled. Redecorating probably required. Several slight fractures showing inside of building. Cracks are visible externally and some repointing may be required externally to ensure weather tightness. Doors and windows may stick slightly.	< 5	0.075 - 0.15
3	Moderate	The cracks require some opening up and can be patched by a mason. Recurrent cracks can be masked by suitable linings. Repointing of external brickwork and possibly a small amount of brickwork to be replaced. Doors and windows sticking. Service pipes may fracture. Weather tightness often impaired.	5 - 15 or a number of cracks > 3	0.15 – 0.3
4	Severe	Extensive repair work involving breaking out and replacing sections of walls, especially over doors and windows. Windows and door frames distorted, floor sloping noticeably. Walls leaning and bulging noticeably, some loss of bearing in beams. Service pipes disrupted.	15 - 25 but also depends on number of cracks	> 0.3
5	Very Severe	This requires a major repair job involving partial or complete rebuilding. Beams lose bearing, walls lean badly and require shoring. Windows broken due to distortion. Danger of instability.	Usually > 25 but	-

Table 9.1 Building / Structure Damage Risk Classification (Burland 1997)Notes

Table 9.2 summarises the findings for the structures assessed and the worst case category of damage calculated.

^{*} In assessing the degree of damage, account must be taken of its location in the building or structure.

^{*} Crack width is only one aspect of damage and should not be used on its own as a direct measure.



Ground Appraisal Report

Specific Building Damage Results - Detail

Specific Building Ref.	g: Specific Building: Name	Vertica Offset	l Segment	Start	Length	Curvature	Deflection Ratio	Average Horizontal Strain	Max Tensile Strain	Damage Category
		[m]		[m]	[m]		[%]	[%]	[%]	
1	Neighbouring Party Wall	0	1	0	32	Sagging	0.0036171	3.79E-06	0.0040046	0 (Negligible)
2	Neighbouring Facade	0	1	0	3.6311	Sagging	0.0069499	0.056531	0.061719	1 (Very Slight)
			2	3.63	5.4598	Hogging	0.006992	0.03751	0.041547	0 (Negligible)
3	Neighbouring Perp wall	0	1	0	3.5135	Sagging	0.0065234	0.05609	0.060821	1 (Very Slight)
			2	3.51	5.5775	Hogging	0.0070679	0.037683	0.041846	0 (Negligible)

Tensile horizontal strains are +ve, compressive horizontal strains are -ve.

Table .9.2 Summary of Building Damage Assessment



In summary, the analysis indicates that the predicted ground movements in response to the basement excavation would cause negligible to very slight damage (Category 0 to Category 1) to the adjoining structures. It is anticipated that cross-propping of the excavation will be introduced early in the works, providing a very stiff support system to the walls. Furthermore, it has been assumed that the underpinning will be undertaken to a high standard of workmanship and measures are taken to avoid instability of excavations and keep ground loss to a minimum.

Full details of the Xdisp results are appended.

9.5 Utilities

A utilities report for the site has been obtained which identified the following services within the vicinity of the site:

Utility Company	Estimated Distance	Estimated Horizontal	Estimated Vertical
	From Excavation (m)	Movement (mm)	Movement (mm)
UKPN	5	3-4	2-3
Gas	5	3-4	2-3
BT	6	2-3	1-2
Thames Water (Foul)	10	1-2	0-1
Thames Water	10	1-2	0-1
(Surface)			
Verizon	6	2-3	1-2
Virgin	5	3-4	2-3

Table 9.3 Estimated Displacement of Utilities

It should be noted that the displacements in the table above are calculated for the existing ground surface level and it is likely that the displacements at the depths the utilities have been placed will be proportionately less.

9.6 Monitoring

The results of the Xdisp analyses indicate that with good construction control, damage to adjacent structures generated by the assumed construction methods and sequence are likely to be (within Category 1) 'very slight'. A formal monitoring strategy is recommended in order to observe and control ground movements during construction. This should ensure movement do not start to fall outside of that predicted.

It is recommended that the monitoring system be designed and operated broadly in accordance with the 'Observational Method' as defined in CIRIA Report 185. Regular monitoring of positions will determine if any horizontal translation, tilt or differential settlement of the neighbouring structures is occurring as the construction progresses. Monitoring data should be checked against predefined trigger limits and should also be further analysed to assess and manage the damage category of the adjacent building as construction progresses.



10.0 ENVIRONMENTAL CONSIDERATIONS

A Generic Quantitative Risk Assessment (GQRA) incorporating the results of the desk study and ground investigation was undertaken in accordance with CLR11, the findings of which are presented in the following sections.

10.1 Outline Risk Assessment

A number of plausible pollutant linkages were identified as part of the desk study, as summarised in Section 3.

10.2 Soil Contamination vs. End Users

Based on a visual assessment of the soils encountered, in conjunction with the known site history and proposed development, it was considered that the risk from any potentially contaminated soils at shallow depth was of a moderate to low order. On this basis, and given the sensitivity of the proposed development, a total of three soil samples were submitted to a UKAS accredited laboratory for general chemical screening including common zootoxic and phytotoxic elements and asbestos screening.

The presence of a possible contaminant does not necessarily imply that a site or area is contaminated or that there is any unacceptable risk to human health. A Preliminary Quantitative Risk Assessment has been undertaken in accordance with CLR11, in order to evaluate any unacceptable risks posed to human health with respect to the proposed redevelopment. It should be noted that this assessment is protective of the chronic long-term effects of contaminants, which is also likely to be protective of any possible immediate acute effects.

A quantitative risk assessment has been undertaken by comparing the results of the laboratory chemical testing of shallow Made Ground soils against Site Specific Assessment Criteria (SSAC) generated using the Contaminated Land Exposure Assessment (CLEA) model v1.06 published by the Environment Agency, or against Defra's Category 4 Screening Levels (C4SL).

The assumptions made as part of the CLEA v1.06 calculations for a residential end use with plant uptake are presented in Table 10.1.

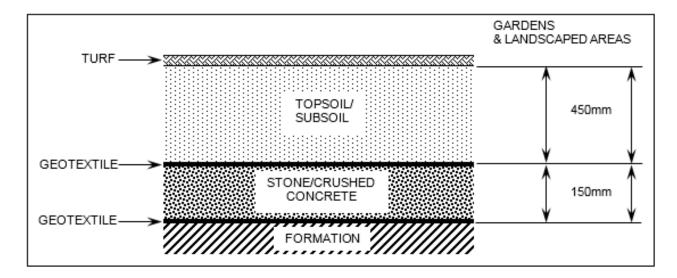


	Assumptio	ns		Comments		
Land Use	Residential	with home grow	n produce	Commensurate with proposed development.		
Receptor	Female (res	s)		A conservative assumption using the most sensitive possible receptor.		
Receptor Age	1 to 6			Critical receptor age from birth to age 6.		
Building	Detached H	louse		A conservative assumption of the private residences proposed		
Soil Type	Silty clay loam	pH 7.5	SOM 1.2%	Based on an average of the chemical laboratory results.		
Exposure	Oral	Direct soil & do consumption of produce & soil home grown pr	f home grown I attached to	Default setting for land use.		
Pathways	Dermal	Indoor & outdo	or	Default setting for land use.		
	Inhalation	Indoor & outo	door dust &	Default setting for land use.		
Occupancy	days/year	hours/day hour/day (indoors) (outdoors)		Default settings for the critical receptor.		
	180 - 365 19 - 23 1		1			

Table 10.1: Assumptions for SSAC Calculation (CLEA v1.06 Software)

Statistical analysis of the non-targeted samples within the dataset has been undertaken in accordance with guidance contained in the CIEH/CL:AIRE report 'Comparing Soil Contamination Data with a Critical Concentration' (May 2008). If the contamination status of the soils is considered in a planning context, the null hypothesis tested by the analysis is whether the true mean concentration is equal to or greater than the critical concentration for a given determinand, with the critical concentration being the relevant SSAC or GAC (the soil screening value) for that determinand in the context of the intended end use of the site. If the analysis shows that the true mean concentration is less than the critical concentration the null hypothesis can be rejected. The guidance recommends that for the null hypothesis to be rejected the analysis should show that there is a 95% (or higher) likelihood that the true mean concentration is below the critical concentration. Where this is the case the site is considered to be acceptable for the planned end use without further remediation.

The results of the statistical analysis indicated that the null hypothesis could be rejected for all of the determinands with the exception lead. No outliers were detected for lead, though there were two results (761mg/kg and 2400mg/kg) which significantly exceeded the C4SL of 200mg/kg. The proposed landscaping plans indicate that much of the external garden areas are to be hard paved, which would effectively sever the pathway to the end users. However, within areas of proposed soft landscaping within the private gardens a cover system is recommended.



Within root protection areas (RPAs) it may not be feasible to implement the above cover system and the advice of an arboriculutralist should be sought. Remedial measures in RPAs are likely to comprise the following:

- Removal of 50mm of turf using a mechanical excavator fitted with a toothless bucket, standing outside of the RPA and excavating to within 500mm of the trunks or edges of buttress roots.
- Ground beneath to be covered with semi-impermeable geotextile membrane (Treetex T-300 or similar).
- 150mm of topsoil to be placed above and lightly compacted.

The remediation should be undertaken in accordance with a Regulatory Approved Remedial Strategy and Verification Plan.

In addition, all samples submitted for asbestos screens were returned with no asbestos fibres identified.

10.3 Soil Contamination vs. Adjacent Land Users

Surrounding land uses were identified to mostly comprise residential properties analogous with the proposed development of the site. No significant concentrations of potentially mobile contamination were encountered as part of the investigation. Therefore, no remedial action is considered necessary to protect adjacent land users from soils on site.

However, it is recommended that dust suppression techniques, e.g. damping down exposed soils, are employed during the demolition and construction phases on site in order to minimise the potential for airborne migration of specific hazards and to manage potential nuisance issues for adjacent land users.

10.4 Soil Contamination vs. Soft Landscaping

British Standard BS3882:2015 'Specification for topsoil and requirements for use' provides assessment criteria for a number of potentially phytotoxic contaminants in terms of new planting.



The results of the chemical analysis for determinants known to pose a potential phytotoxic risk to plant growth are summarised in Table 10.2, together with the respective adopted Generic Assessment Criteria (GAC) for plant growth. The compliance criteria set out in BS3882:2015 are pH dependent and thus the GAC used relate to the pH range measured on samples recovered from the site.

	Phy	Phytotoxicity GAC (mg/kg)			
Determinand	pH <6.0	pH 6.0- 7.0	pH >7.0	GAC Exceedances	
Zinc	200	200	300	No	
Copper	100	135	200	No	
Nickel	60	75	110	No	

Table 10.2: Summary of Plant Phytotoxicity Assessment

The phytotoxicity assessment did not identify the presence of any concentrations of concern, nor any need for further assessment or remedial action to protect plants.

10.5 Soil Contamination vs. Infrastructure

Recommendations with respect to sulphate and buried concrete are made in Section 8.5. The current guidance on selection of materials for water supply pipes to be laid in contaminated land is contained in UKWIR Report 10/WM/03/02 (re-issued 2010). However, the guidance is not mandatory and there has been concerns raised by various industry technical associations regarding the document and the methodologies proposed.

Although there are concerns regarding the document, in lieu of any further guidance in the first instance the results of this investigation have been compared with the proposed thresholds published in UKWIR Table 3.1. Localised exceedances were recorded within the Made Ground for SVOCs (PAHs >2mg/kg).

The presumption in the guidance is that barrier pipe will be adopted for any brownfield site. It is therefore recommended that the results of this investigation be presented to the water utility company as soon as reasonably practical in order to confirm the pipe material.

As a matter of good practice, and to maximise the protection to utilities, it is recommended that clean, granular backfill is used in service runs and that marker tapes are used for all buried services.

10.6 Ground Gases

The desk study and preliminary risk assessment did not identify a plausible pollutant linkage between ground gases and end users due to the absence of a source. Four rounds of monitoring were included within the original scope of works (as stated in Section 3.4) and this verified the preliminary risk assessment.

Therefore, on the basis of the ground gas assessment and supported by the data presented in Appendix D, it is considered that the site's gassing regime is representative of Characteristic Situation 2 (BS8485 and CIRIA) for which gas protection measures would be required.

The proposed building would be classified as a Type B building for which the gas protection measures would be required to score a minimum of 3.5 points in accordance with the scoring system in BS8485.



Based on the calculated hazardous gas flows for carbon dioxide, together with the overall concentrations encountered it is recommended that ground gas protection measures be installed in accordance with Characteristic Situation 2.

The gas protection measures should comprise at least two different elements from structural barriers, ventilation measures and membranes. It should be noted that basement floor and walls conforming to BS8102:2009, Grade 2 waterproofing would score 2 points and those conforming to Grade 3, 2.5 points.

10.7 Waste

10.7.1 Reuse of Material

In accordance with CL:AIRE Code of Practice (2011) materials are only considered waste if 'they are discarded, intended to be discarded or required to be discarded by the holder'.

The Code of Practice therefore allows soils to be reused on site where the following criteria are met:

- Pollution of the environment and harm to human health is prevented in reusing the excavated materials;
- The materials are suitable for use (without any further processing);
- There is certainty of use; and
- The quantity that is absolutely necessary (and no more) is used.

In order to comply with the Code of Practice, a material management plan that confirms the above criteria are met has to be prepared. The material management plan must be reviewed by a 'Qualified Person' who then issues a declaration to the Environment Agency. Geo-Environmental can provide this service should it be required.

Where materials do not meet the required criteria, it may be possible to treat them under an environmental permit so that they may be re-used on site.

10.7.2 Reuse of Waste

Where material is discarded as waste, it may still be possible to reuse the waste on site under a standard rules environmental permit or a U1 waste exemption. However, strict limits on the volumes that can be reused apply in these cases.

10.7.3 Disposal to Landfill

Under current legislation, where wastes are to be disposed of to landfill they may, depending on their classification, require pre-treatment. Pre-treatment shall comprise a chemical, physical (including sorting), thermal or biological process. The pre-treatment is required to change the characteristics of the waste, reduce its volume, reduce its hazardous nature, and facilitate its handling and enhance its recovery.



10.7.4 Waste Classification

The following information is provided for preliminary guidance purposes, as different landfill facilities or operators may have differing acceptance criteria.

It is likely that the Made Ground from around the perimeter of the building would attract a premium for disposal on account of the elevated lead concentrations. However, the soils beneath the building footprint may not have been impacted as the source of the lead is most likely from aerial deposition. It is recommended that further chemical testing is undertaken on soils removed from beneath the building in order to correctly classify the soils from the basement excavation. Additional testing of soils from beneath the building would be prudent and is likely to reduce the overall cost of waste soil disposal

10.8 Discovery Strategy

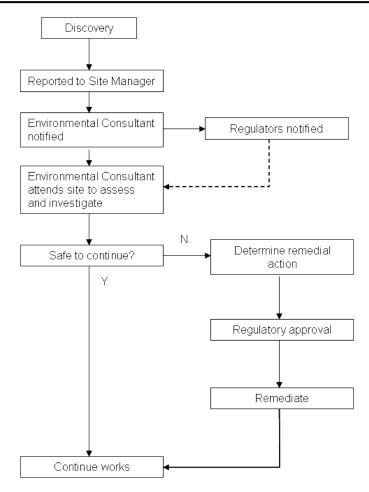
Whilst the investigation undertaken on the site to date is considered to be thorough, it remains possible that previously unexpected soil conditions may be encountered during the process of site demolition and construction.

Examples may include oily pockets within the soil, pockets of cement boarding or fibrous materials within the soil, black ashy materials, soils exhibiting strong odours, brightly coloured materials, and former structures or brickwork.

Should previously undiscovered contamination be encountered during the demolition/construction of the new buildings the following course of action should be adhered to:

- Works in the area of the suspected contamination should seize immediately. The ground workers should report any suspected contamination immediately to the Client's site supervisor. The supervisor should contact the Environmental Consultant, who should visit the site to assess the extent of the 'contamination'.
- The Environmental Consultant shall make records of their inspection, and pass details of these to the Local Authority.
- Where the conditions revealed differ from those previously anticipated, the Environmental Consultant shall take samples as deemed appropriate to be dispatched for appropriate chemical testing.
- Depending on the results of the testing either: 1) no further work will be required; 2) a further detailed risk assessment will be required; and/or 3) localised specific remedial measures will be necessary. Appraisal criteria will vary depending on the nature of the assessment.
- The results of any such testing will be sent to the Regulatory Authority for consultation. If remediation is required, the Regulatory Authority will be informed of the date and time of the proposed works.
- Remediation will be undertaken in accordance with a method statement submitted to the Local Authority for approval. The works shall be supervised by the Environmental Consultant who shall provide a Validation Report for the Local Authorities purposes.

The process is summarised overleaf:

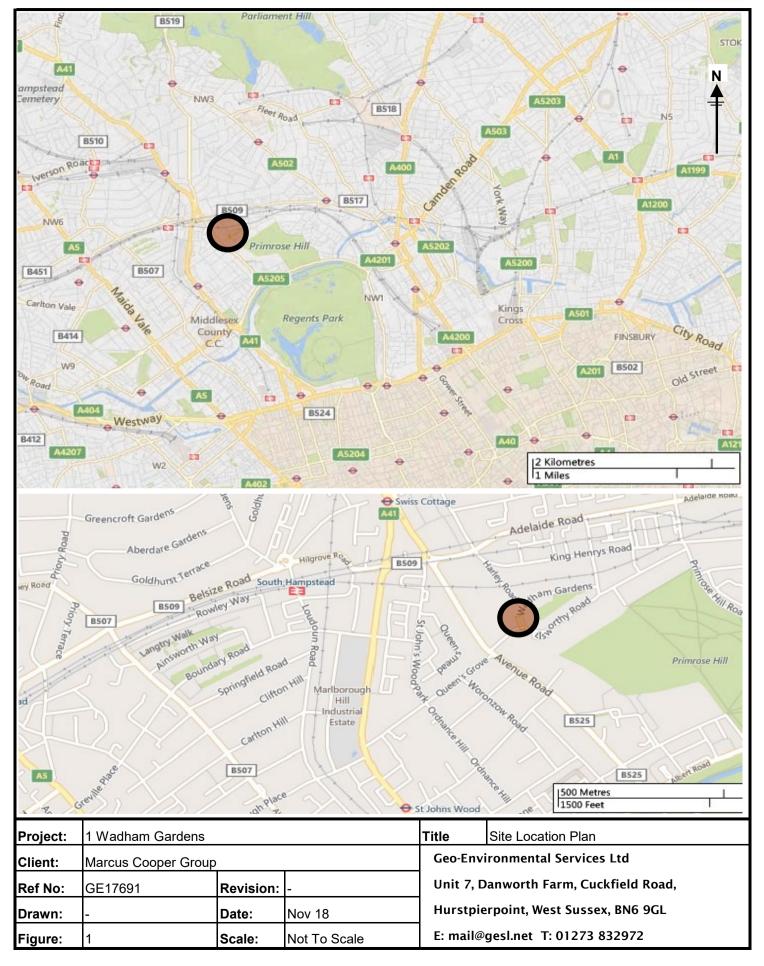


A copy of this strategy should be lodged on site, and provisions made to ensure that all workers are made aware of their responsibility to observe, report, and act on any potentially suspicious or contaminated materials they may encounter.

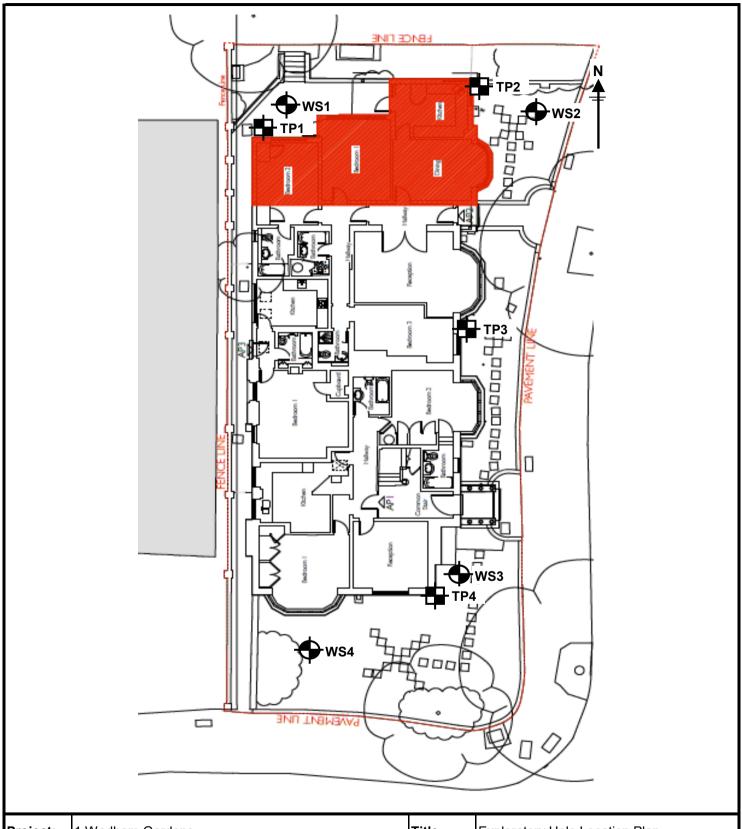
FIGURES





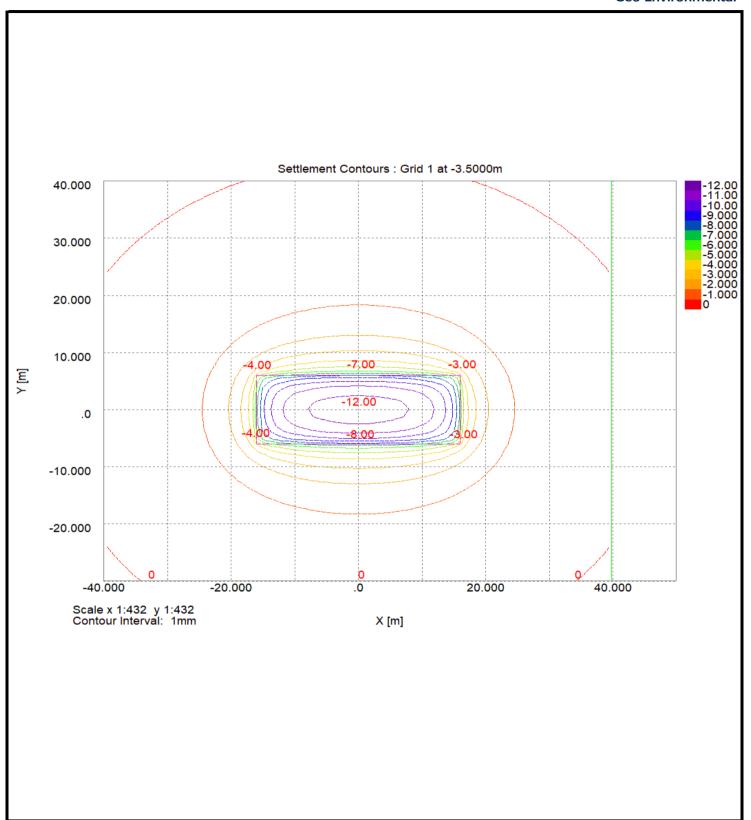






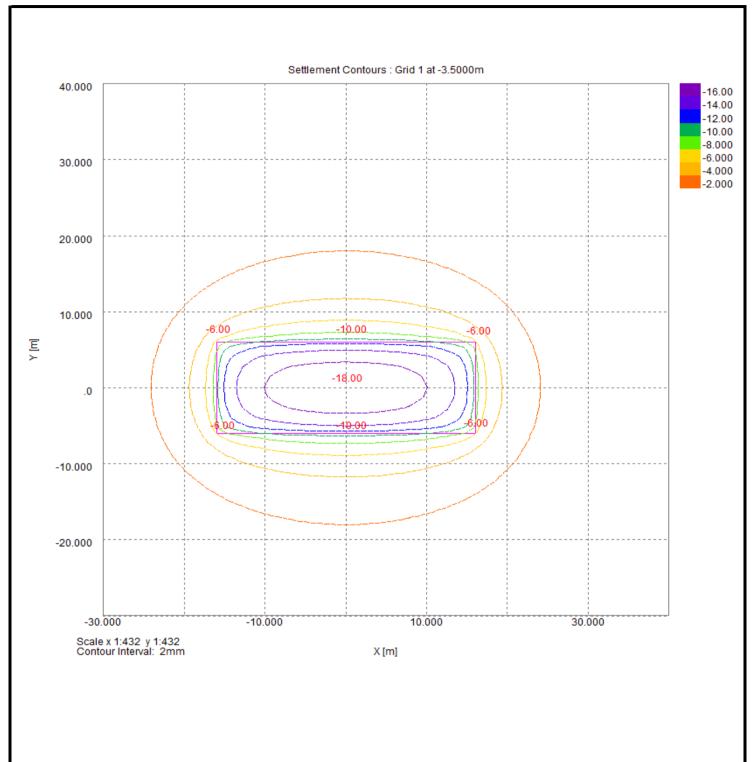
Project:	1 Wadham Gard	lens		Title	Exploratory Hole Location Plan			
Client:	Marcus Cooper Group			Geo-En	Geo-Environmental Services Ltd			
Ref No:	GE17691	Revision:	-	Unit 7,	Unit 7, Danworth Farm, Cuckfield Road,			
Drawn:	-	Date:	Nov 18	Hurstp	ierpoint, West Sussex, BN6 9GL			
Figure:	2	Scale:	Not To Scale	E: mail@	E: mail@gesl.net T: 01273 832972			





Project:	1 Wadham Gardens, London		Title	Short Term Heave of Excavation			
Client:	Marcus Cooper Group			Geo-Environmental Services Ltd			
Ref No:	GE17691	Revision:	-	Unit 7, 1	Unit 7, Danworth Farm, Cuckfield Road,		
Drawn:	-	Date:	Nov 18	Hurstpi	erpoint, West Sussex, BN6 9GL		
Figure:	3	Scale:	Not To Scale	E: mail@	E: mail@gesl.net T: 01273 832972		





Project:	1 Wadham Gardens, London			Title	LongTerm Heave of Excavation	
Client:	Marcus Cooper Grou	ıp		Geo-Environmental Services Ltd		
Ref No:	GE17691	Revision:	-	Unit 7, Danworth Farm, Cuckfield Road,		
Drawn:	-	Date:	Nov 18	Hurstpierpoint, West Sussex, BN6 9GL		
Figure:	4	Scale:	Not To Scale	E: mail@gesl.net T: 01273 832972		



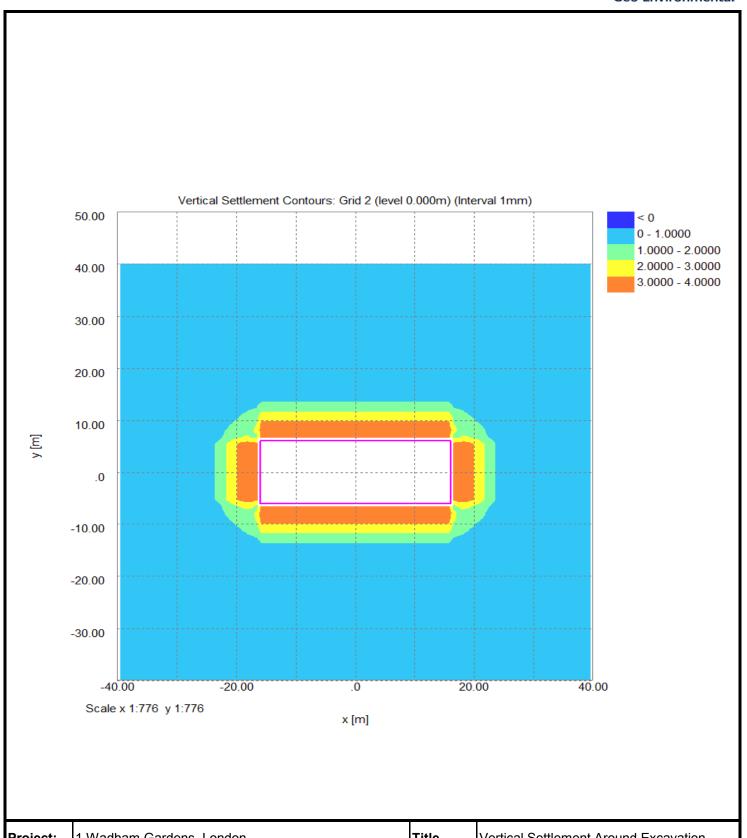
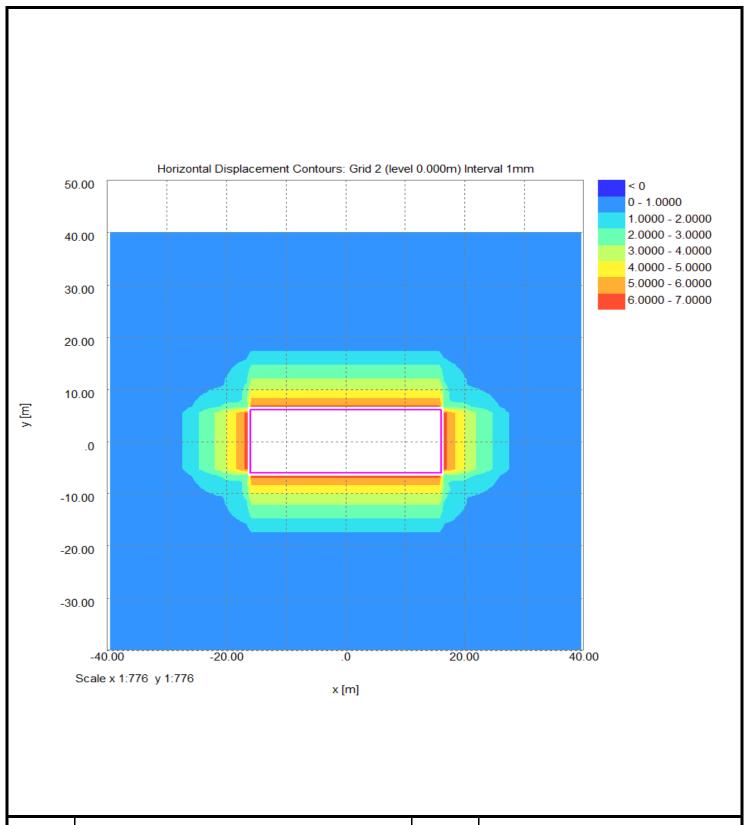


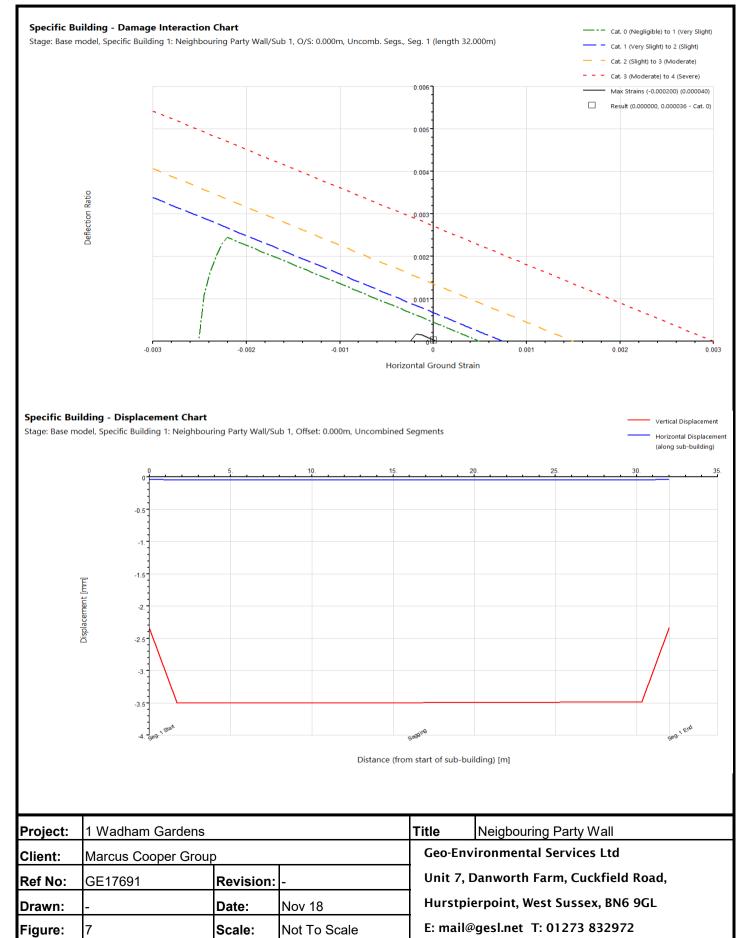
Figure:	5	Scale:	Not To Scale	E: mail@gesl.net T: 01273 832972		
Drawn:	-	Date:	Nov 18	Hurstpie	rpoint, West Sussex, BN6 9GL	
Ref No:	GE17691	Revision:	-	Unit 7, Danworth Farm, Cuckfield Road,		
Client:	Marcus Cooper Group			Geo-Environmental Services Ltd		
Project:	1 Wadham Gardens, I	₋ondon		Title Vertical Settlement Around Excavation		



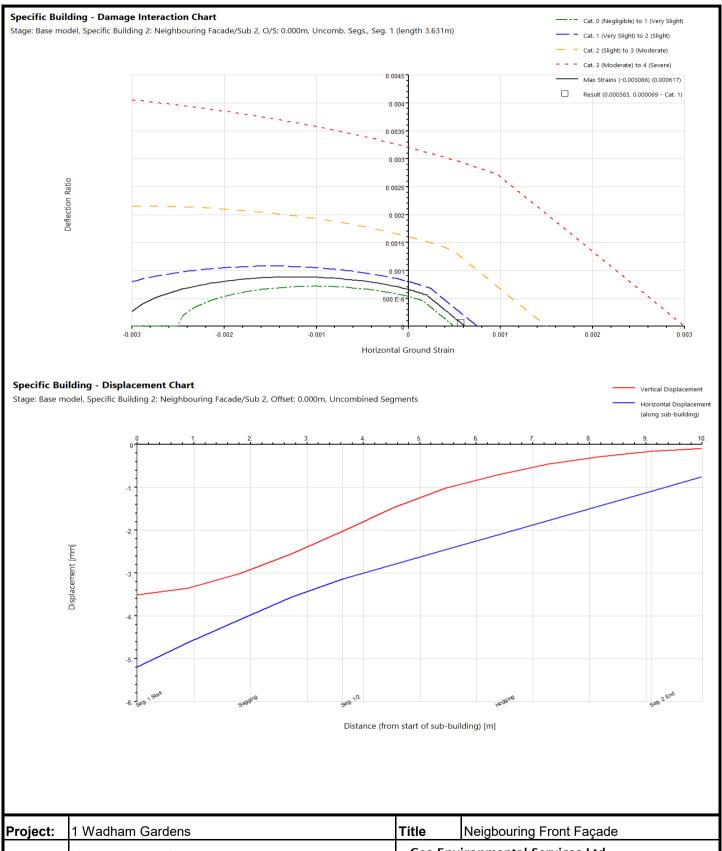


Project:	1 Wadham Gardens, London			Title	Horizontal Movement Around Excavation			
Client:	Marcus Cooper Group			Geo-Env	Geo-Environmental Services Ltd			
Ref No:	GE17691	Revision:	-	Unit 7, E	Unit 7, Danworth Farm, Cuckfield Road,			
Drawn:	-	Date:	Nov 18	Hurstpie	erpoint, West Sussex, BN6 9GL			
Figure:	6	Scale:	Not To Scale	E: mail@	E: mail@gesl.net T: 01273 832972			



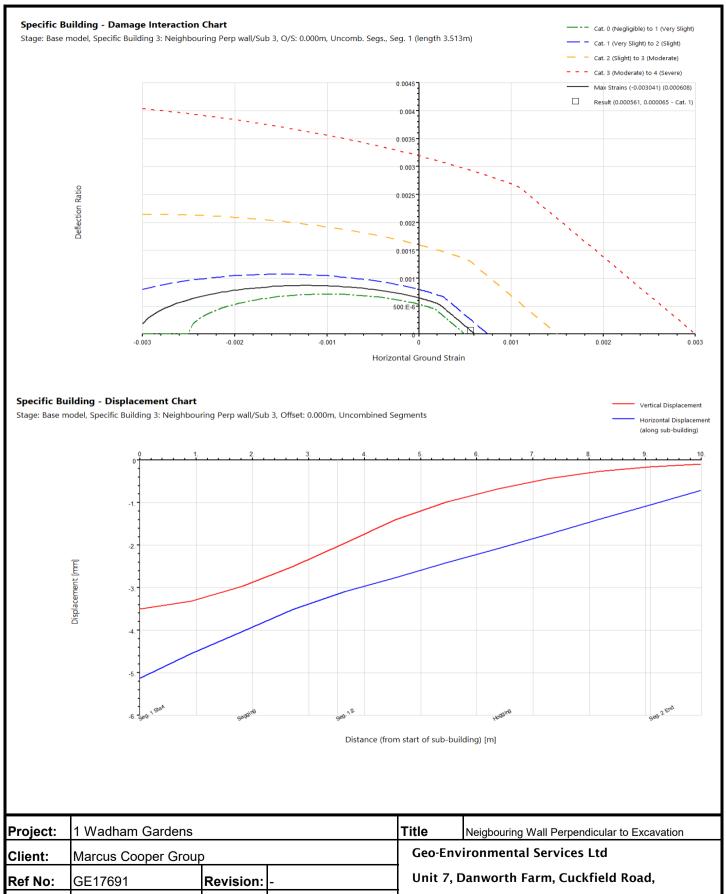






Project:	1 Wadham Gardens			Title	tle Neigbouring Front Façade		
Client:	Marcus Cooper Group			Geo-Environmental Services Ltd			
Ref No:	GE17691	Revision:	-	Unit 7, Danworth Farm, Cuckfield Road,			
Drawn:	-	Date:	Nov 18	Hurstpierpoint, West Sussex, BN6 9GL			
Figure:	8	Scale:	Not To Scale	E: mail@gesl.net T: 01273 832972			





Nov 18

Not To Scale

Date:

Scale:

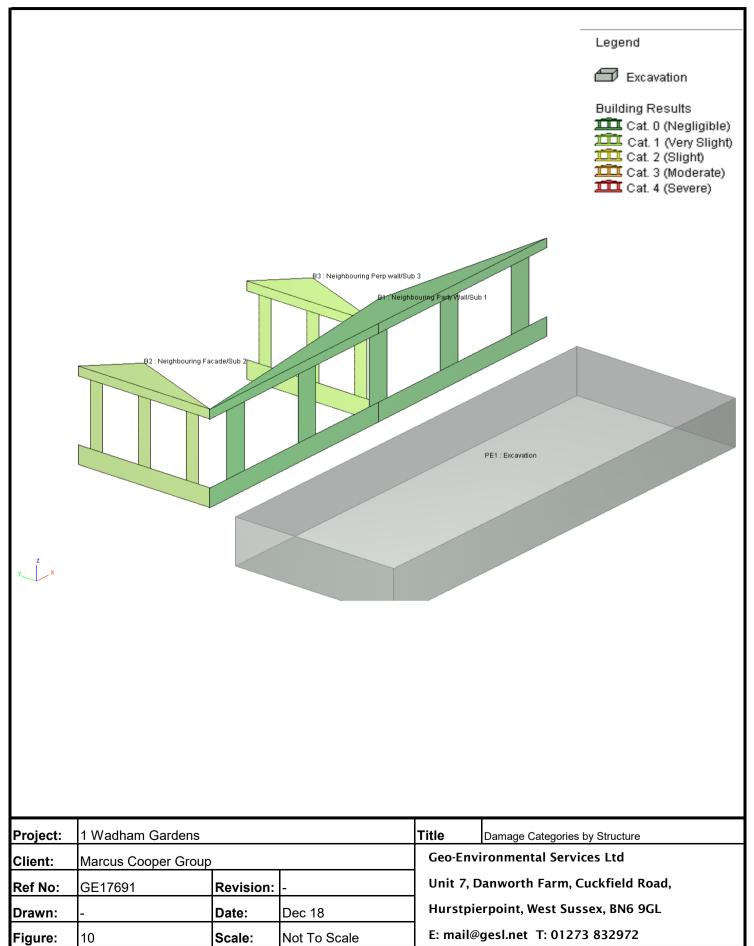
Drawn:

Figure:

Hurstpierpoint, West Sussex, BN6 9GL

E: mail@gesl.net T: 01273 832972





APPENDIX A DESK STUDY INFORMATION





Envirocheck® Report:

Datasheet

Order Details:

Order Number:

72033053_1_1

Customer Reference:

GE10977

National Grid Reference:

527040, 183950

Slice:

Α

Site Area (Ha):

0.09

Search Buffer (m):

1000

Site Details:

1 Wadham Gardens LONDON NW3 3DN

Client Details:

MR J Tingley
Geo Environmental Services Ltd
Unit 7 Danworth Farm
Cuckfield Road
Hurstpierpoint
West Sussex
BN6 9GL







Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	13
Hazardous Substances	-
Geological	14
Industrial Land Use	20
Sensitive Land Use	35
Data Currency	36
Data Suppliers	43
Useful Contacts	44

Introduction

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

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

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Report Version v50.0



Summary

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1				1
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 1			1	17
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 3			Yes	
Pollution Incidents to Controlled Waters	pg 3				3
Prosecutions Relating to Authorised Processes					
Prosecutions Relating to Controlled Waters					
Registered Radioactive Substances	pg 4				6
River Quality	pg 5				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 5			4	3 (*18)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 11	Yes	n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations			n/a	n/a	n/a
Source Protection Zones	pg 11	1		1	1
Extreme Flooding from Rivers or Sea without Defences				n/a	n/a
Flooding from Rivers or Sea without Defences				n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
Detailed River Network Lines	pg 12		Yes		n/a
Detailed River Network Offline Drainage					n/a



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					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 13				1
Local Authority Recorded Landfill Sites					
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					
Geological					
BGS 1:625,000 Solid Geology	pg 14	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 14	Yes	Yes		Yes
BGS Recorded Mineral Sites					
BGS Urban Soil Chemistry	pg 15		Yes	Yes	Yes
BGS Urban Soil Chemistry Averages	pg 18	Yes			
Brine Compensation Area			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 18	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 19	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards				n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 19	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

Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
pg 20			11	154
pg 33				4
pg 35				1
	pg 20 pg 33	pg 20 pg 33	pg 20 pg 33	Pg 20 11 11 pg 33



Agency & Hydrological

Page 1 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
1	Discharge Consent Operator: Property Type: Location: Authority: Catchment Area: Reference: Permit Version: Effective Date: Issued Date: Revocation Date: Discharge Type: Discharge Environment: Receiving Water: Status: Positional Accuracy:	Thames Water Utilities Ltd Reservoir/Borehole Site Barrow Hill Environment Agency, Thames Region Not Supplied Temp.0018 1 15th September 1989 15th September 1989 5th October 2000 Trade Effluent Freshwater Stream/River River Thames Authorisation revokedRevoked Located by supplier to within 100m	A9NW (SE)	635	3	527600 183600
2	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Iution Prevention and Controls Kings Dry Cleaners 25 Winchester Road, London, E4 London Borough of Waltham Forest, Environmental Health Department DC05 6th July 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A18SW (NW)	406	4	526812 184310
3	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Iution Prevention and Controls Swiss Cottage Dry Cleaners 121 Finchley Road, London, Nw3 6hy London Borough of Camden, Pollution Projects Team PPC/DC10 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A12NE (NW)	504	5	526626 184270
4	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	lution Prevention and Controls Ivy Dry Cleaner 4 Queens Terrace, London, Nw8 6dx Westminster City Council, Environmental Health Department 06/40583/EE1EP 14th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A7NE (SW)	533	6	526672 183539
5	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Iution Prevention and Controls St John'S Wood Dry Cleaners 47 Charlbert Street, London, NW8 6JN Westminster City Council, Environmental Health Department 09/53345/EE1EP 10th November 2009 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A8NE (S)	600	6	527114 183327
6	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Iution Prevention and Controls Masterclean Dry Cleaners 6 Langtry Walk, London, Nw8 0du London Borough of Camden, Pollution Projects Team PPC/DC38 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A12NW (W)	677	5	526352 184004
7	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	lution Prevention and Controls Johnsons Cleaners 69 St Johns Wood High Street, London, Nw8 7nl Westminster City Council, Environmental Health Department 06/40583/EE1EP 7th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Site Closed Manually positioned to the address or location	A8SW (S)	700	6	526938 183230



Agency & Hydrological

Page 2 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Pol	lution Prevention and Controls				
7	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Madame George 9 Circus Road, London, Nw8 6nx Westminster City Council, Environmental Health Department 06/39117/EE1EP 7th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A8SW (S)	709	6	526902 183227
	Local Authority Pol	lution Prevention and Controls				
8	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Tempo Dry Cleaners 98 St Johns Wood High Street, London, Nw8 7sh Westminster City Council, Environmental Health Department 06/38279/EE1EP 7th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Site Closed Manually positioned to the address or location	A8SW (S)	739	6	527019 183184
	Local Authority Pol	lution Prevention and Controls				
9	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Chequers Textile Care Ltd 48 Englands Lane, London, Nw3 4ue London Borough of Camden, Pollution Projects Team PPC/DC47 5th December 2006 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A19SW (NE)	753	5	527498 184580
	Local Authority Pol	lution Prevention and Controls				
10	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Connoisseur Dry Cleaners 3-5 Fairhazel Gardens, London, Nw6 3qe London Borough of Camden, Pollution Projects Team PPC/DC11 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A12NW (W)	781	5	526262 184119
	Local Authority Pol	lution Prevention and Controls				
10	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Sqweaky Clean Professional Dry Cleaners 13 Fairhazel Gardens, London, Nw6 3qe London Borough of Camden, Pollution Projects Team PPC/DC37 12th January 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Located by supplier to within 10m	A12NW (W)	809	5	526237 184134
	Local Authority Pol	lution Prevention and Controls				
11	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	B P Harmony 104a Finchley Road, London, NW3 5EY London Borough of Camden, Pollution Projects Team Not Given 1st July 1999 Local Authority Air Pollution Control PG1/14 Petrol filling station Authorised Automatically positioned to the address	A17SE (NW)	810	5	526471 184554
	Local Authority Pol	lution Prevention and Controls				
11	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Bp Harmony 104a Finchley Road, LONDON, NW3 5EY London Borough of Camden, Pollution Projects Team PPC18 1st July 1999 Local Authority Pollution Prevention and Control PG1/14 Petrol filling station Permitted Automatically positioned to the address	A17SE (NW)	810	5	526471 184554



Agency & Hydrological

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Elias Dry Cleaners 68 St Johns Wood High Street, London, Nw8 7sh Westminster City Council, Environmental Health Department 08/15232/EE1EP 6th March 2008 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A8SE (S)	813	6	527077 183110
13	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Ution Prevention and Controls Bp Filling Station 21-41 Wellington Road, St John's Wood, LONDON, NW8 9SP Westminster City Council, Environmental Health Department VR 8 7th May 1999 Local Authority Air Pollution Control PG1/14 Petrol filling station Authorised Manually positioned to the address or location	A8SW (S)	861	6	526864 183080
14	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Primrose Valet 91 Regent'S Park Road, London, Nw1 8ur London Borough of Camden, Pollution Projects Team PPC/DC53 28th January 2009 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A14NE (E)	885	5	527917 184155
15	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Abbey Dry Cleaners 11 Blenheim Terrace, London, Nw8 0eh Westminster City Council, Environmental Health Department 07/71922/EE1EP 25th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Site Closed Manually positioned to the address or location	A7NW (SW)	932	6	526303 183355
16	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:	Siciliana 6 Blenheim Terrace, London, Nw8 0eb Westminster City Council, Environmental Health Department 06/48997/EE1EP 25th September 2007 Local Authority Pollution Prevention and Control PG6/46 Dry cleaning Permitted Manually positioned to the address or location	A7NW (SW)	995	6	526198 183395
	Nearest Surface Wa	ter Feature	A13NW (NW)	394	-	526783 184274
17	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given LONDON, NW8 Environment Agency, Thames Region Oils - Unknown Not Supplied 2nd February 1996 SE960054 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A8SW (S)	762	3	526800 183200



Agency & Hydrological

Page 4 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
18	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given LONDON, NW8 Environment Agency, Thames Region Miscellaneous - Natural Not Supplied 10th September 1996 SE960481 Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A8SE (S)	766	3	527300 183200
19	Property Type: Location: Authority: Pollutant: Note: Incident Date: Incident Reference: Catchment Area: Receiving Water: Cause of Incident: Incident Severity:	to Controlled Waters Not Given Hampstead Road Lock, CAMDEN TOWN Environment Agency, Thames Region Oils - Unknown Not Supplied 17th December 1998 THNE1998041401 Not Given Not Given Not Given Not Given Category 3 - Minor Incident Located by supplier to within 100m	A14NE (E)	947	3	528000 184000
20	Registered Radioad Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Wellington Hospital 8a Wellington Place, LONDON, NW8 9LE Environment Agency, Thames Region Bw7716 1st December 2003 Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Minor variation to authorisation under RSA Application has been authorised and any conditions apply to the operator Authorised Automatically positioned to the address	A8SW (S)	827	3	526814 183127
20	Registered Radioad Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Wellington Hospital 8a Wellington Place, LONDON, NW8 9LE Environment Agency, Thames Region Br5558 28th March 2002 Registration under S7 RSA for the keeping and use of Radioactive materials (was RSA60 S1) Registration under the Act of an open source which is also the subject of an authorisation Application has been authorised and any conditions apply to the operator Authorised Automatically positioned to the address	A8SW (S)	827	3	526814 183127
20	Registered Radioad Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status:		A8SW (S)	827	3	526814 183127
20	Registered Radioad Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Humana Hospital Wellington 27 Circus Road, LONDON, Greater London, NW8 9JG Environment Agency, Thames Region AB8520 31st March 1991 Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Authorisation under RSA in respect of a registration under S7 when Technetium 99M is used being =< 10 gigabecquerels Authorisation either revoked or cancelledCancelled	A8SW (S)	827	3	526794 183133



Agency & Hydrological

Page 5 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Registered Radioac Name: Location: Authority: Permit Reference:	tive Substances Wynn Institute For Metabolic Research Flat 21, Cavendish House, 21 Wellington Road, LONDON, Greater London, NW8 9SQ Environment Agency, Thames Region AC0591	A8SW (S)	909	3	526898 183025
	Dated: Process Type: Description: Status:	31st March 1991 Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Authorisation under RSA Authorisation either revoked or cancelledCancelled Automatically positioned to the address				
	Registered Radioac	tive Substances				
22	Name: Location: Authority: Permit Reference: Dated: Process Type: Description: Status: Positional Accuracy:	Humana Hospital Wellington 8A Wellington Place, LONDON, Greater London, NW8 9LE Environment Agency, Thames Region AB8511 31st March 1991 Authorisation under S13 RSA for the disposal of Radioactive waste (was RSA60 S7) Authorisation under RSA Authorisation either revoked or cancelledCancelled Unknown	A8SW (S)	969	3	526918 182961
	River Quality					
	Name: GQA Grade: Reach: Estimated Distance (km): Flow Rate: Flow Type: Year:	Guc (Paddington Arm) River Quality E Canal Feeder - Camden Road 10.5 Flow greater than 80 cumecs Canal 2000	A9NW (SE)	749	3	527449 183288
	Water Abstractions					
23	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	London Borough Of Camden 28/39/39/0219 1 Swiss Cottage Open Space- Borehole Environment Agency, Thames Region Municipal Grounds: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Swiss Cottage Open Space, Winchester Road, London. 01 January 31 December 1st April 2008 Not Supplied Located by supplier to within 10m	A13NW (NW)	388	3	526800 184280
24	Operator:	London Borough Of Camden	A13NW	405	3	526750
	Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Th/039/0039/087 1 Swiss Cottage Open Space- Borehole Environment Agency, Thames Region Municipal Grounds: Spray Irrigation - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Swiss Cottage Open Space, Winchester Road, London 01 April 31 March 5th December 2013 Not Supplied Located by supplier to within 10m	(NW)	700	Ü	184261



Agency & Hydrological

Page 6 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
24	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	London Borough Of Camden Th/039/0039/087 1 Swiss Cottage Open Space- Borehole Environment Agency, Thames Region Municipal Grounds: General Washing/Process Washing Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Swiss Cottage Open Space, Winchester Road, London 01 April 31 March 5th December 2013 Not Supplied Located by supplier to within 10m	A13NW (NW)	405	3	526750 184261
24	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	London Borough Of Camden Th/039/0039/087 1 Swiss Cottage Open Space- Borehole Environment Agency, Thames Region Municipal Grounds: Lake And Pond Throughflow Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Swiss Cottage Open Space, Winchester Road, London 01 April 31 March 5th December 2013 Not Supplied Located by supplier to within 10m	A13NW (NW)	405	3	526750 184261
25	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Thames Water Utilities Ltd Th/039/0039/058 1 Borehole At Barrow Hill Environment Agency, Thames Region Public Water Supply: Potable Water Supply - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied O1 April 31 March 1st April 2013 Not Supplied Located by supplier to within 10m	A14SW (SE)	624	3	527636 183697
25	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Thames Water Utilities Ltd 28/39/39/0231 1 Barrow Hill Pumping Station - Borehole Environment Agency, Thames Region Public Water Supply: Potable Water Supply - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Barrow Hill Pumping Station 01 January 31 December 1st April 2007 Not Supplied Located by supplier to within 10m	A14SW (SE)	630	3	527640 183690



Agency & Hydrological

Page 7 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Water Abstractions Operator: Thames Water Utilities Ltd		A14SW	630	3	527640
23	Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End:	28/39/39/0202 1 Barrow Hill Pumping Station - Borehole Environment Agency, Thames Region Public Water Supply: Potable Water Supply - Direct Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Barrow Hill Pumping Station 01 January 31 December	(SE)	050	3	183690
	Permit Start Date: Permit End Date:	26th September 2002 Not Supplied Located by supplier to within 10m				
	Water Abstractions	· · · ·				
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Positional Accuracy:	Zoological Society Of London 28/39/39/0035 100 Borehole At Regent'S Park, London Nw1 Environment Agency, Thames Region Zoos/Kennels/Stables: Animal Watering & General Use (Non Agricultural) Water may be abstracted from a single point Groundwater 59 681 Regent'S Park, London Nw1 01 January 31 December 4th April 1966 Not Supplied Located by supplier to within 100m	A9NE (SE)	1081	3	528000 183400
	Water Abstractions		A 4811A/	4055	2	507400
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy: Water Abstractions	Abbey Lodge Rtm Company Limited 28/39/39/0115 101 Abbey Lodge, Park Road, London Nw8-Two Boreholes Environment Agency, Thames Region Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Abbey Lodge, Park Road, London Nw8 01 January 31 December 1st June 2006 Not Supplied Located by supplier to within 10m	A4NW (S)	1355	3	527420 182620
	Operator:	Wood Management Trustees Ltd	A4NW	1355	3	527420
	Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3):	28/39/39/0115 100 Two Boreholes At Abbey Lodge, Park Road, London Nw8 Environment Agency, Thames Region Household Water Supply: Drinking; Cooking; Sanitary; Washing; (Small Garden) Water may be abstracted from a single point Groundwater 100 28640	(S)			182620
	Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date:	Abbey Lodge, Park Road, London Nw8 01 January 31 December 28th November 1991 Not Supplied Located by supplier to within 100m				



Agency & Hydrological

Page 8 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	British Waterways Board 28/39/39/0173 100 Oval Road, Camden - Grand Union Regents Canal Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Non-Evaporative Cooling Water may be abstracted from a single point Surface 20 7000 Land At Oval Road, Camden, London 01 January 31 December 1994 Not Supplied Located by supplier to within 10m	A15NE (E)	1437	3	528490 184020
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	British Waterways 28/39/39/0164B Not Supplied Southampton Bridge, LONDON, Nw8 Environment Agency, Thames Region Industrial Cooling (Cegb) Not Supplied River 3840 1 Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Not Supplied Located by supplier to within 100m	A15NE (E)	1446	3	528500 184000
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Canal And River Trust 28/39/39/0164 101 Southampton Bridge, London, Nw8 - Regents Canal Environment Agency, Thames Region Amenity: Spray Irrigation - Direct Water may be abstracted from a single point Surface Not Supplied Not Supplied Not Supplied Pipeline Alongside The Regents Canal, London 01 January 31 December 17th December 2007 Not Supplied Located by supplier to within 10m	A15NE (E)	1447	3	528500 184020
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	British Waterways Board 28/39/39/0164 100 Southampton Bridge, London, Nw8 - Regents Canal Environment Agency, Thames Region Amenity: Spray Irrigation - Direct Water may be abstracted from a single point Surface 3840 1 Pipeline Alongside The Regents Canal, London 01 January 31 December 25th April 1983 Not Supplied Located by supplier to within 10m	A15NE (E)	1447	3	528500 184020



Agency & Hydrological

Page 9 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	Canal And River Trust 28/39/39/0164 101 St John'S Wood, London - Regents Canal Environment Agency, Thames Region Amenity: Spray Irrigation - Direct Water may be abstracted from a single point Surface Not Supplied Not Supplied Pipeline Alongside The Regents Canal, London 01 January 31 December 17th December 2007 Not Supplied Located by supplier to within 10m	A3SE (S)	1462	3	527050 182460
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	British Waterways Board 28/39/39/0164 100 St John'S Wood, London - Regents Canal Environment Agency, Thames Region Amenity: Spray Irrigation - Direct Water may be abstracted from a single point Surface 3840 1 Pipeline Alongside The Regents Canal, London 01 January 31 December 25th April 1983 Not Supplied Located by supplier to within 10m	A3SE (S)	1462	3	527050 182460
	Water Abstractions					
		British Waterways 28/39/39/0164A Not Supplied St Johns Wood, LONDON, Nw1 Environment Agency, Thames Region Industrial Cooling (Cegb) Not Supplied River 1920 1 Annual Abstraction Total Aggregated To Another Licence For Quantity Purposes. Not Supplied Located by supplier to within 100m	A3SW (S)	1523	3	527000 182400
	Water Abstractions					
	Operator: Licence Number: Permit Version: Location: Authority: Abstraction: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit End Date: Permit End Date: Positional Acquiracy:	Greenwich Leisure Limited 28/39/39/0091 101 Kentish Town Sports Centre, Prince Of Wales St Environment Agency, Thames Region Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden) Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Not Supplied Kentish Town Sports Centre, Prince Of Wales Road, London 01 January 31 December 25th May 2012 Not Supplied Located by supplier to within 100m	(NE)	1894	3	528800 184700



Agency & Hydrological

Page 10 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator:	Greenwich Leisure Limited	(NE)	1894	3	528800
	Licence Number: Permit Version: Location: Authority:	28/39/39/0091 101 Kentish Town Sports Centre, Prince Of Wales St Environment Agency, Thames Region	(NL)	1094	3	184700
	Abstraction: Abstraction Type: Source:	Other Industrial/Commercial/Public Services: Process Water Water may be abstracted from a single point Groundwater				
	Daily Rate (m3): Yearly Rate (m3): Details:	Not Supplied Not Supplied St. Pancras Public Baths, Prince Of Wales Road, London Nw1				
	Authorised Start: Authorised End: Permit Start Date: Permit End Date:	01 January 31 December 25th May 2012 Not Supplied				
		Located by supplier to within 100m				
	Water Abstractions Operator:	Greenwich Leisure Ltd	(NE)	1894	3	528800
	Licence Number: Permit Version: Location: Authority: Abstraction:	28/39/39/0091 101 Two Bores At Kentish Town Sports Centre, Prince Of Wales St Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Process Water	(NE)	1004	J	184700
	Abstraction Type: Source: Daily Rate (m3):	Water may be abstracted from a single point Groundwater Not Supplied				
	Yearly Rate (m3): Details: Authorised Start: Authorised End:	Not Supplied St. Pancras Public Baths, Prince Of Wales Road, London Nw1 01 January 31 December				
	Permit Start Date: Permit End Date:	5th April 2012 Not Supplied Located by supplier to within 100m				
	Water Abstractions					
	Operator: Licence Number: Permit Version:	London Borough Of Camden 28/39/39/0091 100	(NE)	1894	3	528800 184700
	Location: Authority: Abstraction:	Two Bores At Kentish Town Sports Centre, Prince Of Wales St Environment Agency, Thames Region Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing; (Small Garden)				
	Abstraction Type: Source: Daily Rate (m3):	Water may be abstracted from a single point Groundwater 605				
	Yearly Rate (m3): Details: Authorised Start: Authorised End:	76509 Kentish Town Sports Centre, Prince Of Wales Road, London 01 January 31 December				
	Permit Start Date: Permit End Date: Positional Accuracy:	13th June 1966 Not Supplied Located by supplier to within 100m				
	Water Abstractions		(AUE)	4004	•	F00000
	Operator: Licence Number: Permit Version: Location:	London Borough Of Camden 28/39/39/0091 100 Two Bores At Kentish Town Sports Centre, Prince Of Wales St Environment Agency, Thames Region	(NE)	1894	3	528800 184700
	Authority: Abstraction: Abstraction Type: Source:	Industrial; Commercial And Public Services: Laundry Use Water may be abstracted from a single point Groundwater				
	Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start:	Not Supplied Not Supplied St. Pancras Public Baths, Prince Of Wales Road, London Nw1 01 January				
	Authorised End: Permit Start Date: Permit End Date:	31 December 13th June 1966 Not Supplied Located by supplier to within 10m				



Agency & Hydrological

/lap ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator:	London Borough Of Camden	(NE)	1894	3	528800
	Licence Number: Permit Version: Location: Authority: Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	28/39/39/0091 100 Two Bores At Kentish Town Sports Centre, Prince Of Wales St Environment Agency, Thames Region Other Industrial/Commercial/Public Services: Process Water Water may be abstracted from a single point Groundwater Not Supplied Not Supplied St. Pancras Public Baths, Prince Of Wales Road, London Nw1 01 January 31 December 13th June 1966 Not Supplied Located by supplier to within 10m				184700
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction:	Abbey National Plc 28/39/39/0070 101 Borehole At Abbey House, Baker Street, London Nw1 Environment Agency, Thames Region Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing;	(S)	1972	3	527800 182100
	Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	(Small Garden) Water may be abstracted from a single point Groundwater 91 2273 Abbey House, Baker Street, London Nw1 01 January 31 December 2nd May 2000 Not Supplied Located by supplier to within 100m				
	Water Abstractions Operator: Licence Number: Permit Version: Location: Authority: Abstraction:	Baskerville Estates (Gp) Limited 28/39/39/0070 102 Abbey House, Baker Street- Borehole Environment Agency, Thames Region Commercial/Industrial/Public Services: Drinking; Cooking; Sanitary; Washing;	(SE)	1991	3	527850 182100
	Abstraction Type: Source: Daily Rate (m3): Yearly Rate (m3): Details: Authorised Start: Authorised End: Permit Start Date: Permit End Date: Positional Accuracy:	(Small Garden) Water may be abstracted from a single point Groundwater Not Supplied Not Supplied Abbey House, Baker Street, London Nw1 01 January 31 December 19th December 2003 Not Supplied Located by supplier to within 10m				
	Groundwater Vulne Soil Classification: Map Sheet: Scale:		A13NE (N)	0	3	527044 183949
	Drift Deposits None					
	Bedrock Aquifer De Aquifer Designation:	-	A13NE (N)	0	2	527044 183949
	Superficial Aquifer I No Data Available	Designations				
26	Source Protection 2 Name: Source: Reference: Type:	Rones Barrow Hill Environment Agency, Head Office Th405 Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A13NE (N)	0	3	527044 183949
27	Source Protection Z Name: Source: Reference: Type:	Cones Barrow Hill Environment Agency, Head Office Th405 Zone I (Inner Protection Zone): Travel time of 50 days or less to the	A13SE (E)	331	3	527370 183822



Agency & Hydrological

Page 12 of 44

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Source Protection Zones Name: Barrow Hill Source: Environment Agency, Head Office Reference: Th405 Type: Groundwater Source	A14SW (SE)	630	3	527640 183690
	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				
	Detailed River Network Lines				
29	River Type: Extended Culvert (greater than 50m) River Name: St Agnes's Well D006 River Flow Type: Primary Flow Path River Surface Level: Below Surface Drain Feature: Not a Drain Flood Risk Other Rivers Management Status: Water Course Not Supplied Name: Water Course Not Supplied Reference:	A13SE (E)	110	3	527167 183945
	Detailed River Network Offline Drainage				
	None				



Waste

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Licensed Waste Ma	icensed Waste Management Facilities (Locations)				
30	Licence Number: Location: Operator Name: Operator Location: Authority: Site Category: Licence Status: Issued: Last Modified: Expires: Suspended: Revoked: Surrendered: IPPC Reference: Positional Accuracy:	401853 Regents Park Office, The Store Yard, Inner Circle, Regents Park, London, NW1 4NR The Royal Parks Not Supplied Environment Agency - Thames Region, North East Area Composting Issued 24th February 2015 Not Supplied Located by supplier to within 10m	A9SW (SE)	920	3	527519 183131
	Local Authority Lan	dfill Coverage				
	Name:	London Borough of Camden - Has no landfill data to supply		0	9	527044 183949
	Local Authority Lan	Local Authority Landfill Coverage				
	Name:	Westminster City Council - Has supplied landfill data		147	6	527050 183776





Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid	d Geology				
	Description:	Thames Group	A13NE (N)	0	2	527044 183949
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic Concentration:	British Geological Survey, National Geoscience Information Service London no data	A13NE (N)	0	2	527044 183949
	Cadmium Concentration: Chromium	no data				
	Concentration: Lead Concentration:					
	Nickel Concentration:	no data				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type:	British Geological Survey, National Geoscience Information Service London	A13NE (N)	25	2	527044 184000
	Arsenic Concentration: Cadmium	no data				
	Concentration: Chromium	no data				
	Concentration: Lead Concentration: Nickel	no data no data				
	Concentration:					
	BGS Estimated Soil Source:	Chemistry British Geological Survey, National Geoscience Information Service	A13NW	28	2	527000
	Soil Sample Type: Arsenic	London no data	(W)	20	2	183949
	Concentration:	no data				
	Concentration: Chromium Concentration:	no data				
	Lead Concentration: Nickel Concentration:	no data no data				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type: Arsenic	British Geological Survey, National Geoscience Information Service London no data	A13NW (NW)	44	2	527000 184000
	Concentration: Cadmium	no data				
	Concentration: Chromium Concentration:	no data				
	Lead Concentration: Nickel	no data no data				
	Concentration:	Chamiatry				
	BGS Estimated Soil Source:	British Geological Survey, National Geoscience Information Service	A8SE	922	2	527044
	Soil Sample Type: Arsenic Concentration:	London no data	(S)			183000
	Cadmium Concentration:	no data				
	Chromium Concentration:	no data				
	Lead Concentration: Nickel Concentration:	no data no data				
	BGS Estimated Soil	Chemistry				
	Source: Soil Sample Type:	British Geological Survey, National Geoscience Information Service London	A8SW (S)	923	2	527000 183000
	Arsenic Concentration:	no data				
	Cadmium Concentration:	no data				
	Chromium Concentration: Lead Concentration:	no data				
	Nickel Concentration:	no data				





Map ID	Details		Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR	
	BGS Estimated Soil Source: Soil Sample Type: Arsenic	Chemistry British Geological Survey, National Geoscience Information Service London no data	A14NE (E)	945	2	528000 183949	
	Concentration: Cadmium Concentration: Chromium	no data					
	Concentration: Lead Concentration: Nickel Concentration:						
	BGS Estimated Soil Source: Soil Sample Type: Arsenic Concentration: Cadmium Concentration:	British Geological Survey, National Geoscience Information Service London no data	A14NE (E)	947	2	528000 184000	
	Chromium Concentration: Lead Concentration: Nickel Concentration:	no data no data					
	BGS Measured Urba	an Soil Chemistry			<u> </u>		
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration: Cadmium Measured Concentration: Chromium Measured Concentration: Lead Measured Concentration: Nickel Measured	British Geological Survey, National Geoscience Information Service 527263, 183792 Topsoil London 15.00 mg/kg 0.30 mg/kg	A13SE (SE)	247	2	527263 183792	
	Concentration:						
	BGS Measured Urba Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration: Cadmium Measured Concentration: Chromium Measured	British Geological Survey, National Geoscience Information Service 526761, 183848 Topsoil London 24.00 mg/kg 0.30 mg/kg	A13SW (W)	290	2	526761 183848	
	Concentration: Lead Measured Concentration:	572.00 mg/kg					
	Nickel Measured Concentration:	38.00 mg/kg					
	BGS Measured Urban Soil Chemistry						
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration: Cadmium Measured Concentration: Chromium Measured Concentration: Lead Measured Concentration:	British Geological Survey, National Geoscience Information Service 527207, 184291 Topsoil London 13.00 mg/kg 0.70 mg/kg 181.00 mg/kg 714.00 mg/kg	A18SE (NE)	353	2	527207 184291	
	Nickel Measured Concentration:	26.00 mg/kg					





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urba	n Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured	British Geological Survey, National Geoscience Information Service 526761, 184231 Topsoil London 7.00 mg/kg	A13NW (NW)	376	2	526761 184231
	Concentration: Cadmium Measured Concentration: Chromium Measured	0.30 mg/kg				
	Concentration: Lead Measured Concentration:	38.00 mg/kg				
	Nickel Measured Concentration:	7.00 mg/kg				
	BGS Measured Urba	n Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration: Cadmium Measured	British Geological Survey, National Geoscience Information Service 527278, 183302 Topsoil London 32.00 mg/kg	A8NE (S)	662	2	527278 183302
	Concentration: Chromium Measured Concentration:	91.00 mg/kg				
	Lead Measured Concentration: Nickel Measured Concentration:	2587.00 mg/kg 46.00 mg/kg				
	BGS Measured Urba	n Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured	British Geological Survey, National Geoscience Information Service 527717, 184227 Topsoil London 21.00 mg/kg	A14NE (E)	713	2	527717 184227
	Concentration: Cadmium Measured Concentration:					
	Chromium Measured Concentration: Lead Measured	77.00 mg/kg 2046.00 mg/kg				
	Concentration: Nickel Measured Concentration:	34.00 mg/kg				
	BGS Measured Urba	n Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration:	British Geological Survey, National Geoscience Information Service 527766, 183762 Topsoil London 18.00 mg/kg	A14SE (E)	729	2	527766 183762
	Cadmium Measured Concentration:	0.30 mg/kg				
	Chromium Measured Concentration:					
	Lead Measured Concentration: Nickel Measured	432.00 mg/kg 27.00 mg/kg				
	Concentration:					
	BGS Measured Urba Source:	In Soil Chemistry British Geological Survey, National Geoscience Information Service	A8SW	729	2	526820
	Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration:	526820, 183228 Topsoil London 12.00 mg/kg	(S)	129		183228
	Cadmium Measured Concentration:					
	Chromium Measured Concentration:					
	Lead Measured Concentration: Nickel Measured	221.00 mg/kg 19.00 mg/kg				
	Concentration:					





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urba	an Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area:	British Geological Survey, National Geoscience Information Service 526703, 184701 Topsoil London	A17NE (NW)	803	2	526703 184701
	Arsenic Measured Concentration: Cadmium Measured Concentration: Chromium Measured					
	Concentration: Lead Measured Concentration:	770.00 mg/kg				
	Nickel Measured Concentration:	44.00 mg/kg				
	BGS Measured Urba	an Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration:	British Geological Survey, National Geoscience Information Service 526218, 183841 Topsoil London 19.00 mg/kg	A12SW (W)	820	2	526218 183841
	Cadmium Measured Concentration: Chromium Measured Concentration: Lead Measured	91.00 mg/kg				
	Concentration: Nickel Measured Concentration:	938.00 mg/kg 30.00 mg/kg				
	BGS Measured Urba	•				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration:	British Geological Survey, National Geoscience Information Service 527169, 184808 Topsoil London 21.00 mg/kg	A18NE (N)	841	2	527169 184808
	Cadmium Measured Concentration: Chromium Measured					
	Concentration: Lead Measured	2154.00 mg/kg				
	Concentration: Nickel Measured Concentration:	35.00 mg/kg				
	BGS Measured Urba	an Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured	British Geological Survey, National Geoscience Information Service 526268, 184340 Topsoil London 30.00 mg/kg	A17SW (NW)	847	2	526268 184340
	Concentration: Cadmium Measured Concentration:	0.80 mg/kg				
	Chromium Measured Concentration:					
	Lead Measured Concentration: Nickel Measured	689.00 mg/kg 45.00 mg/kg				
	Concentration:					
	BGS Measured Urba	•	A 475 " * *	000	•	50007
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration:	British Geological Survey, National Geoscience Information Service 526344, 184653 Topsoil London 47.00 mg/kg	A17NW (NW)	969	2	526344 184653
	Cadmium Measured Concentration:					
	Chromium Measured Concentration: Lead Measured	111.00 mg/kg 1463.00 mg/kg				
	Concentration: Nickel Measured Concentration:	71.00 mg/kg				





Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Measured Urba	an Soil Chemistry				
	Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured	British Geological Survey, National Geoscience Information Service 527775, 183248 Topsoil London 16.00 mg/kg	A9SE (SE)	988	2	527775 183248
	Concentration: Cadmium Measured Concentration: Chromium Measured Concentration: Lead Measured Concentration: Nickel Measured					
	Concentration:					
	BGS Measured Urba Source: Grid: Soil Sample Type: Sample Area: Arsenic Measured Concentration: Cadmium Measured Concentration: Lead Measured Concentration: Lead Measured Concentration: Nickel Measured Concentration:	British Geological Survey, National Geoscience Information Service 527678, 184753 Topsoil London 19.00 mg/kg 0.70 mg/kg	A19NW (NE)	1000	2	527678 184753
	BGS Urban Soil Che	emistry Averages				
	Source: Sample Area: Count Id: Arsenic Minimum Concentration: Arsenic Average Concentration: Arsenic Maximum Concentration: Cadmium Minimum Concentration: Cadmium Average Concentration: Cadmium Maximum Concentration: Cadmium Maximum Concentration: Chromium Minimum Concentration: Chromium Average Concentration: Chromium Average Concentration: Lead Minimum Concentration: Lead Average Concentration: Lead Average Concentration: Lead Average Concentration: Lead Average Concentration: Lead Maximum	0.90 mg/kg 165.20 mg/kg 13.00 mg/kg 79.00 mg/kg 2094.00 mg/kg 11.00 mg/kg 280.00 mg/kg	A13NE (N)	0	2	527044 183949
	Lead Maximum Concentration: Nickel Minimum Concentration: Nickel Average	10000.00 mg/kg 2.00 mg/kg 28.00 mg/kg				
	Concentration: Nickel Maximum Concentration:	506.00 mg/kg				
	Coal Mining Affecte	d Areas not be affected by coal mining				
	Non Coal Mining Ar No Hazard	eas of Great Britain				
	Potential for Collaps Hazard Potential: Source:	sible Ground Stability Hazards Very Low British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949
	Potential for Compr Hazard Potential: Source:	essible Ground Stability Hazards No Hazard British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949



Geological

Page 19 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Groun	d Dissolution Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949
	Potential for Lands	lide Ground Stability Hazards				
	Hazard Potential: Source:	Very Low British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949
	Potential for Runnii	ng Sand Ground Stability Hazards				
	Hazard Potential: Source:	No Hazard British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949
	Potential for Shrink	ing or Swelling Clay Ground Stability Hazards				
	Hazard Potential: Source:	Moderate British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949
	Radon Potential - R	adon Protection Measures				
	Protection Measure: Source:	No radon protective measures are necessary in the construction of new dwellings or extensions British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949
		adon Affected Areas			_	
	Affected Area: Source:	The property is in a lower probability radon area, as less than 1% of homes are above the action level British Geological Survey, National Geoscience Information Service	A13NE (N)	0	2	527044 183949



Page 20 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
31	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Arrow Enterprises (Uk) Ltd 13, Lower Merton Rise, London, NW3 3RA Chemicals & Allied Products Inactive Automatically positioned to the address	A13NE (NE)	316	-	527235 184231
31	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Swan Dry Cleaners 19, Lower Merton Rise, London, NW3 3RA Dry Cleaners Inactive Automatically positioned to the address	A13NE (NE)	334	-	527226 184259
32	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Soap Opera The 8, Winchester Road, London, NW3 3NT Laundries & Launderettes Inactive Automatically positioned to the address	A13NW (NW)	328	-	526882 184260
33	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Fairfax Engineering 1, Regency Parade, Finchley Road, London, NW3 5EQ Catering Equipment Inactive Automatically positioned to the address	A12NE (NW)	389	-	526694 184166
33	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Medoroux Medical Ltd 11, Regency Parade, Finchley Road, London, NW3 5EG Medical Equipment Manufacturers Active Automatically positioned to the address	A12NE (NW)	389	-	526694 184166
33	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	Balco Ltd 8, Regency Parade, Finchley Road, London, NW3 5EG Ventilators & Ventilation Systems Active Automatically positioned to the address	A12NE (NW)	389	-	526694 184166
33	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Oxyvita Ltd 11, Regency Parade, Finchley Road, London, NW3 5EG Medical Instruments - Manufacturers Inactive Automatically positioned to the address	A12NE (NW)	389	-	526694 184166
33	Contemporary Trade Name: Location: Classification: Status:		A12NE (NW)	389	-	526694 184166
33	Contemporary Trade Name: Location: Classification: Status:		A12NE (NW)	424	-	526652 184162
34	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Scotts Flat 15, Bray, Fellows Road, London, NW3 3JX Cabinet Makers Inactive Automatically positioned to the address	A18SE (NE)	412	-	527247 184337
35	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Clean With Us Ltd Flat 8, Leitch House, Alexandra Road, London, NW8 0SE Boat Cleaning Services Active Automatically positioned to the address	A12NE (W)	474	-	526567 184075
36	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Swiss Cottage Dry Cleaners 121, Finchley Road, London, NW3 6HY Dry Cleaners Inactive Automatically positioned to the address	A12NE (NW)	506	-	526623 184270



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries London Overground Rail Operations 125, Finchley Road, London, NW3 6HY Railways Active Automatically positioned to the address	A12NE (NW)	522	-	526612 184282
36	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Fuji Photo Film (Uk) Ltd 125, Finchley Road, London, NW3 6HY Photographic Equipment & Supplies - Wholesale Inactive Automatically positioned to the address	A12NE (NW)	522	-	526612 184282
37	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries 24 Hr Waste Disposal St. Johns Wood Ter, London, NW8 6LP Waste Disposal Services Inactive Manually positioned to the road within the address or location	A8NE (S)	517	-	527122 183412
38	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Cleaning Services St Johns Wood Ltd 61, Queens Grove, London, NW8 6ER Commercial Cleaning Services Active Automatically positioned to the address	A7NE (SW)	527	-	526641 183581
39	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Cedo Ltd 32, Eton Avenue, London, NW3 3HL Plastic Products - Manufacturers Inactive Automatically positioned to the address	A18SE (N)	529	-	527135 184498
40	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Ivy Dry Cleaner 4, Queens Terrace, London, NW8 6DX Dry Cleaners Active Automatically positioned to the address	A7NE (SW)	532	-	526673 183539
41	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Endoscan Ltd 58, Acacia Road, London, NW8 6AG Industrial Instrument & Apparatus Manufacturers Active Manually positioned to the address or location	A8NW (S)	574	-	526819 183393
42	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Sunny Clean Alexandra Rd, London, NW8 0DR Carpet, Curtain & Upholstery Cleaners Inactive Manually positioned within the geographical locality	A12NE (W)	578	-	526453 184025
42	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Sunny Clean Alexandra Rd, London, NW8 0DR Cleaning Services - Domestic Active Manually positioned within the geographical locality	A12NE (W)	578	-	526453 184025
43	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Majestic Hardware 49, Charlbert Street, London, NW8 6JN Hardware Active Automatically positioned to the address	A8NE (S)	592	-	527107 183334
43	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Johns Wood 47 Charlbert St, London, NW8 6JN Dry Cleaners Inactive Manually positioned to the address or location	A8NE (S)	599	-	527116 183328
43	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Parks 76-78, Allitsen Road, London, NW8 7BG Candle Manufacturers & Suppliers Inactive Automatically positioned to the address	A8NE (S)	627	-	527121 183301



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
44	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Top Tier Blinds & Shutters 11, Aquila Street, London, NW8 6PN Blinds, Awnings & Canopies Active Automatically positioned to the address	A8NW (S)	592	-	526928 183341
45	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Kara Services 38, Fellows Road, London, NW3 3LH Cleaning Services - Domestic Active Automatically positioned to the address	A19SW (NE)	607	-	527417 184459
46	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Fantastic Services St Johns Wood 14, Finchley Road, London, NW8 6EB Cleaning Services - Domestic Inactive Automatically positioned to the address	A7NE (SW)	609	-	526639 183465
46	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Buzy Cleaning 18-22, Finchley Road, London, NW8 6EB Cleaning Services - Domestic Inactive Automatically positioned to the address	A7NE (SW)	612	-	526615 183484
47	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Gootc Ltd 26, Northways Parade, London, NW3 5DN Dry Cleaners Active Automatically positioned to the address	A17SE (NW)	610	-	526630 184429
47	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Trans-World Trading Ltd 24, Northways Parade, London, NW3 5DN Photographic Equipment & Supplies - Wholesale Inactive Automatically positioned to the address	A17SE (NW)	610	-	526630 184429
47	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Smart Choice 23, Northways Parade, London, NW3 5DN Dry Cleaners Active Automatically positioned to the address	A17SE (NW)	610	-	526630 184429
48	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Komodo 77c, King Henrys Road, London, NW3 3QU Clothing & Fabrics - Manufacturers Active Automatically positioned to the address	A14NW (NE)	620	-	527629 184199
48	Contemporary Trade Name: Location: Classification: Status:	•••	A14NW (NE)	620	-	527629 184199
49	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Printing.Com 3, Harben Parade, Finchley Road, London, NW3 6JP Printers Active Automatically positioned to the address	A17SE (NW)	622	-	526586 184404
49	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Kall Kwik 3, Harben Parade, Finchley Road, London, NW3 6JP Printers Inactive Automatically positioned to the address	A17SE (NW)	622	-	526586 184404
49	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries A K Design & Print 3, Harben Parade, Finchley Road, London, NW3 6JP Printers Active Automatically positioned to the address	A17SE (NW)	622	-	526586 184404



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
50	Status:	e Directory Entries H R Brook Flat 7, 7-8, St. Edmunds Terrace, London, NW8 7QP Textile Manufacturing Inactive Manually positioned to the address or location	A9NW (SE)	639	-	527594 183582
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Mark One Motors 5-6, Eton Garages, Lambolle Place, London, NW3 4PE Garage Services Inactive Automatically positioned to the address	A18SE (NE)	661	-	527339 184570
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Hampstead Motor Services Ltd 4, Lambolle Place, London, NW3 4PD Garage Services Active Automatically positioned to the address	A18SE (N)	663	-	527295 184591
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Belsize Motors 3, Lambolle Place, London, NW3 4PD Car Engine Tuning & Diagnostic Services Inactive Automatically positioned to the address	A18SE (N)	672	-	527299 184600
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Autotech Hampsted Ltd 3, Lambolle Place, London, NW3 4PD Garage Services Inactive Automatically positioned to the address	A18SE (N)	672	-	527299 184600
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Hmc Fleet Maintenance Centre 3, Eton Garages, Lambolle Place, London, NW3 4PE Garage Services Inactive Automatically positioned to the address	A18SE (NE)	677	-	527346 184585
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Little & Pace 3, Eton Garages, Lambolle Place, London, NW3 4PE Garage Services Inactive Automatically positioned to the address	A18SE (NE)	677	-	527346 184585
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Rayden 17, Eton Garages, Lambolle Place, London, NW3 4PE Car Body Repairs Active Automatically positioned to the address	A18SE (NE)	679	-	527326 184596
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Porsheworx 2, Lambolle Place, London, NW3 4PD Garage Services Inactive Automatically positioned to the address	A18SE (N)	680	-	527303 184607
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Little & Pace Motors Ltd 2, Eton Garages, Lambolle Place, London, NW3 4PE Garage Services Active Automatically positioned to the address	A18SE (NE)	686	-	527349 184592
51	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Little & Pace Motors 2-3 Eton Garages, Lambolle PI, London, NW3 4PE Garage Services Inactive Manually positioned to the address or location	A18SE (NE)	688	-	527346 184596
51		e Directory Entries Beta Lighting Ltd 19, Eton Garages, Lambolle Place, London, NW3 4PE Lighting Manufacturers Inactive Automatically positioned to the address	A18SE (NE)	695	-	527332 184610



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Contemporary Trad	le Directory Entries				
52	Name: Location: Classification: Status: Positional Accuracy:	Volvo Cars 1, Northways Parade, London, NW3 5EN Car Dealers Active Automatically positioned to the address	A17SE (NW)	673	-	526596 184482
	Contemporary Trad	le Directory Entries				
52	Name: Location: Classification: Status: Positional Accuracy:	Kwik-Fit 1, Northways Parade, London, NW3 5EN Tyre Dealers Inactive Automatically positioned to the address	A17SE (NW)	673	-	526596 184482
	Contemporary Trad	le Directory Entries				
52	Name: Location: Classification: Status: Positional Accuracy:	Speedway 1, Northways Parade, London, NW3 5EN Garage Services Inactive Automatically positioned to the address	A17SE (NW)	673	-	526596 184482
	Contemporary Trade Directory Entries					
53	Name: Location: Classification: Status: Positional Accuracy:	Snappy Snaps 140, St. Johns Wood High Street, London, NW8 7SE Photographic Processors Inactive Automatically positioned to the address	A8SW (S)	673	-	526958 183254
	Contemporary Trad	le Directory Entries				
53	Name: Location: Classification: Status: Positional Accuracy:	Johnson Cleaners (Uk) Ltd 69-71, St. Johns Wood High Street, London, NW8 7NL Dry Cleaners Inactive Automatically positioned to the address	A8SW (S)	705	-	526935 183226
	Contemporary Trad	le Directory Entries				
53	Name: Location: Classification: Status: Positional Accuracy:	Supasnaps 69-71, St. Johns Wood High Street, London, NW8 7NL Photographic Processors Inactive Automatically positioned to the address	A8SW (S)	705	-	526935 183226
	Contemporary Trad	le Directory Entries				
53	Name: Location: Classification: Status: Positional Accuracy:	Madame George Dry Cleaners 9, Circus Road, London, NW8 6NX Dry Cleaners Active Automatically positioned to the address	A8SW (S)	712	-	526908 183223
	Contemporary Trad	le Directory Entries				
53	Name: Location: Classification: Status: Positional Accuracy:	Shirt Makers England Ltd Cochrane Mews, London, NW8 6NY Shirt Makers Inactive Manually positioned to the road within the address or location	A8SW (S)	714	-	526925 183218
	Contemporary Trad	le Directory Entries				
54	Name: Location: Classification: Status: Positional Accuracy:	St Johns Pets 106, Allitsen Road, London, NW8 7AY Pet Foods & Animal Feeds Active Automatically positioned to the address	A8SE (S)	674	-	527048 183248
	Contemporary Trad	le Directory Entries				
55	Name: Location: Classification: Status: Positional Accuracy:	Urgent Detergent 16-18 Circus Rd, London, NW8 6PG Cleaning Services - Domestic Active Manually positioned to the address or location	A8SW (S)	680	-	526893 183259
	Contemporary Trad	le Directory Entries				
56	Name: Location: Classification: Status: Positional Accuracy:	Drown & Co Ltd 73, Loudoun Road, London, NW8 0DQ Art Restoration & Picture Cleaning Inactive Automatically positioned to the address	A12NW (W)	683	-	526346 183997
	Contemporary Trad	le Directory Entries				
56	Name: Location: Classification: Status:	Francis Butlin 73, Loudoun Road, London, NW8 0DQ Art Restoration & Picture Cleaning Inactive Automatically positioned to the address	A12NW (W)	683	-	526346 183997



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Susan M Moore Fbapcr 73, Loudoun Road, London, NW8 0DQ Art Restoration & Picture Cleaning Inactive Automatically positioned to the address	A12NW (W)	683	-	526346 183997
56	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Masterclean 6, Langtry Walk, London, NW8 0DU Dry Cleaners Active Automatically positioned to the address	A12NW (W)	688	-	526341 184007
56	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Swiss Cottage Launderette 7, Langtry Walk, London, NW8 0DU Laundries & Launderettes Inactive Automatically positioned to the address	A12NW (W)	688	-	526341 184007
56	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Artworks Euro Ltd 69, Loudoun Road, London, NW8 0DB Printers Inactive Manually positioned to the address or location	A12NW (W)	688	-	526341 184007
56	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Swiss Cottage Launderette 7, Langtry Walk, London, NW8 0DU Laundries & Launderettes Active Automatically positioned to the address	A12NW (W)	688	-	526341 184007
57	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Modern Motors Ltd 95 Adelaide Rd, London, NW3 3QB Mot Testing Centres Active Manually positioned to the address or location	A19SW (NE)	683	-	527628 184339
58	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Drennan & Co 64, Belsize Park, London, NW3 4EH Door & Gate Operating Equipment Inactive Automatically positioned to the address	A18SW (NW)	689	-	526723 184584
59	Contemporary Trad Name: Location: Classification: Status:	• • • • • • • • • • • • • • • • • • • •	A17SE (NW)	690	-	526510 184423
60	Contemporary Trad Name: Location: Classification: Status:		A12NE (NW)	700	-	526391 184257
60	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Paper Moon 53, Fairfax Road, London, NW6 4EL Wallpapers & Wall Coverings Inactive Automatically positioned to the address	A12NW (NW)	737	-	526350 184254
60	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Cleansville 39, Fairfax Road, London, NW6 4EL Dry Cleaners Inactive Automatically positioned to the address	A17SW (NW)	743	-	526362 184295
61	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Chase Dry Cleaners 74 Whittom,Primrose Hill Rd, London, NW3 4AB Dry Cleaners Inactive Manually positioned to the road within the address or location	A19SW (NE)	713	-	527493 184534



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
61	Location: Classification: Status:	P Directory Entries R K P Hardware 51, Englands Lane, London, NW3 4YD Hardware Active Automatically positioned to the address	A19SW (NE)	746	-	527517 184557
61	Location: Classification: Status:	E Directory Entries Chequers Dry Cleaners 48, Englands Lane, London, NW3 4UE Dry Cleaners Active Automatically positioned to the address	A19SW (NE)	754	-	527502 184579
62	Location: Classification: Status:	Directory Entries Clean 4 You 55, Belsize Park, London, NW3 4EE Cleaning Services - Domestic Inactive Automatically positioned to the address	A17SE (NW)	713	-	526650 184571
63	Location: Classification: Status:	e Directory Entries Harringtons Construction Ltd 57 Belsize Road, London, NW6 4BE Garage Services Inactive Manually positioned within the geographical locality	A12NW (W)	735	-	526300 184067
63	Location: Classification: Status:	e Directory Entries Cresta Motors 59-65, Belsize Road, London, NW6 4BE Garage Services Inactive Automatically positioned to the address	A12NW (W)	736	-	526300 184067
64	Location: Classification: Status:	Directory Entries Tempo Dry Cleaners Ltd 98, St. Johns Wood High Street, London, NW8 7SH Dry Cleaners Inactive Automatically positioned to the address	A8SW (S)	739	-	527020 183184
65	Location: Classification: Status:	E Directory Entries Formwork Architects Ltd 47, St. Johns Wood High Street, London, NW8 7NJ Laundry & Dry Cleaning Supplies Active Automatically positioned to the address	A8SW (S)	747	-	526964 183180
66	Contemporary Trade Name: Location: Classification: Status:		A14NE (E)	749	-	527800 184012
67	Location: Classification: Status:	E Directory Entries Haywood Motors Ltd A, 23, Lambolle Place, London, NW3 4PG Garage Services Active Automatically positioned to the address	A18NE (NE)	754	-	527361 184663
67	Location: Classification: Status:	e Directory Entries Belsize Motors A, 23, Lambolle Place, London, NW3 4PG Garage Services Active Automatically positioned to the address	A18NE (NE)	754	-	527361 184663
67	Location: Classification: Status:	Directory Entries J A Harnett 4, Lancaster Stables, Lambolle Place, London, NW3 4PH Antiques - Repairing & Restoring Inactive Automatically positioned to the address	A18NE (NE)	760	-	527379 184661
68	Location: Classification: Status:	Directory Entries Cork & Bottle Wines Ltd 47, Ainger Road, London, NW3 3AH Bottle Manufacturers & Suppliers Active Automatically positioned to the address	A14NE (E)	765	-	527797 184141



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
68	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Fabric Lab 54, Ainger Road, London, NW3 3AH Textile Manufacturing Active Automatically positioned to the address	A14NE (E)	797	-	527822 184175
69	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Nta Cleaning Services 13, New College Parade, London, NW3 5EP Commercial Cleaning Services Active Automatically positioned to the address	A17SE (NW)	768	-	526502 184527
69	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Bp (Hampstead) Service Station A, 104, Finchley Road, London, NW3 5EY Petrol Filling Stations - 24 Hour Inactive Automatically positioned to the address	A17SE (NW)	810	-	526471 184554
70	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Blue Tunnel Ltd C, 119, Rowley Way, London, NW8 0SP Distribution Services Inactive Automatically positioned to the address	A12NW (W)	770	-	526258 183993
71	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries C D Prince Albert Road, London, NW8 7EN Garage Services Active Automatically positioned to the address	A8SE (S)	772	-	527245 183177
71	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Oslo Court Garage Ltd Prince Albert Road, London, NW8 7EN Garage Services Inactive Automatically positioned to the address	A8SE (S)	772	-	527245 183177
71	Contemporary Trad Name: Location: Classification: Status:		A8SE (S)	772	-	527245 183177
72	Contemporary Trad Name: Location: Classification: Status:		A18NE (N)	777	-	527202 184737
72	Contemporary Trad Name: Location: Classification: Status:	**	A18NE (N)	782	-	527182 184746
73	Contemporary Trad Name: Location: Classification: Status:	· · · · · · · · · · · · · · · · · · ·	A12NW (W)	785	-	526259 184121
73	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Connoisseur Dry Cleaners 3-5, Fairhazel Gardens, London, NW6 3QE Dry Cleaners Active Automatically positioned to the address	A12NW (W)	785	-	526259 184121
73	Contemporary Trad Name: Location: Classification: Status:		A12NW (W)	798	-	526244 184115



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
73	Contemporary Trade Directory Entries Name: Jean Patou Ltd Location: 3, Coleridge Gardens, London, NW6 3QH Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NW (W)	798	-	526244 184114
73	Contemporary Trade Directory Entries Name: Maurice Douek Ltd Location: 3, Coleridge Gardens, London, NW6 3QH Classification: Perfume Suppliers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A12NW (W)	798	-	526244 184114
73	Contemporary Trade Directory Entries Name: Eurotrade International Location: Coleridge Gdns, London, NW6 3QH Classification: Telecommunications Equipment & Systems Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A12NW (W)	800	-	526242 184114
73	Contemporary Trade Directory Entries Name: Swiss Cleaner Location: 13, Fairhazel Gardens, London, NW6 3QE Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	809	-	526237 184135
74	Contemporary Trade Directory Entries Name: Ibstock Building Products Ltd Location: 28 Wellington Rd, London, NW8 9SP Classification: Brick Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	785	-	526900 183150
75	Contemporary Trade Directory Entries Name: Lilliman & Cox Location: 29, St. Johns Wood High Street, London, NW8 7NH Classification: Dry Cleaners Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	790	-	527013 183133
76	Contemporary Trade Directory Entries Name: Schmitt Automobile Services Ltd Location: 109, Goldhurst Terrace, London, NW6 3HA Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	792	-	526282 184233
77	Contemporary Trade Directory Entries Name: Red Grey Ltd Location: 32, Englands Lane, London, NW3 4UE Classification: Electrical Goods Sales, Manufacturers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	803	-	527522 184625
77	Contemporary Trade Directory Entries Name: Allchin Pharmacy Location: 28, Englands Lane, London, NW3 4UE Classification: Pharmaceutical Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	813	-	527536 184627
78	Contemporary Trade Directory Entries Name: New Brooms Location: 11, Chamberlain Street, London, NW1 8XB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	804	-	527846 184095
78	Contemporary Trade Directory Entries Name: R Danzig & Sons Ltd Location: 65, Regents Park Road, London, NW1 8XD Classification: Furriers Status: Active Positional Accuracy: Automatically positioned to the address	A14NE (E)	817	-	527862 184066
78	Contemporary Trade Directory Entries Name: Gale Furs Location: 65, Regents Park Road, London, NW1 8XD Classification: Furriers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	817	-	527862 184066



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Andrew Moor Associates 14, Chamberlain Street, London, NW1 8XB Stained Glass Designers & Producers Active Automatically positioned to the address	A14NE (E)	820	-	527862 184093
78	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Bearoak Ltd 73, Regents Park Road, London, NW1 8UY Cleaning Services - Commercial Inactive Automatically positioned to the address	A14NE (E)	831	-	527872 184093
79	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	E Directory Entries Elias Elias 68, St. Johns Wood High Street, London, NW8 7SH Dry Cleaners Active Automatically positioned to the address	A8SE (S)	813	-	527077 183110
79	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	E Directory Entries Elias 68, St. Johns Wood High Street, London, NW8 7SH Dry Cleaners Inactive Automatically positioned to the address	A8SE (S)	813	-	527077 183110
79	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Anna'S Laundrette 62, St. Johns Wood High Street, London, NW8 7SH Laundries & Launderettes Active Manually positioned to the address or location	A8SE (S)	828	-	527087 183096
79	Status:	e Directory Entries Wellington Gallery 1, St. Johns Wood High Street, London, NW8 7NG Furniture - Repairing & Restoring Inactive Automatically positioned to the address	A8SE (S)	857	-	527070 183066
80	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Gayle Mcvay 52, Belsize Park Gardens, London, NW3 4ND Hats & Caps - Manufacturers Inactive Automatically positioned to the address	A18NE (NE)	821	-	527379 184728
81	Contemporary Trade Name: Location: Classification: Status:	•••	A17SE (NW)	825	-	526419 184522
82	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Pathlabnw8 60, Grove End Road, London, NW8 9NH Medical & Dental Laboratories Inactive Automatically positioned to the address	A7SE (SW)	826	-	526649 183196
82	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Hospital Of St John & St Elizabeth 60, Grove End Road, London, NW8 9NH Hospitals Active Automatically positioned to the address	A7SE (SW)	826	-	526649 183196
82	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Path Lab 60, Grove End Road, London, NW8 9NH Hospitals Inactive Automatically positioned to the address	A7SE (SW)	826	-	526649 183196
82	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	The London Spine Unit 60, Grove End Road, London, NW8 9NH Hospitals Inactive Automatically positioned to the address	A7SE (SW)	826	-	526649 183196



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
83	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Wellington Hospital 8a, Wellington Place, London, NW8 9LE Hospitals Active Automatically positioned to the address	A8SW (S)	827	-	526814 183127
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Northern Extremes Ltd 4, Erskine Road, London, NW3 3AJ Footwear Manufacturers Inactive Automatically positioned to the address	A14NE (E)	832	-	527860 184166
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Fara Kids Charity Shop Park Road, Primrose Hill, London, NW1 8UY Mechanical Engineers Active Manually positioned within the geographical locality	A14NE (E)	842	-	527881 184114
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries D & Mc Automobiles A, 89, Regents Park Road, London, NW1 8UY Car Dealers Inactive Automatically positioned to the address	A14NE (E)	856	-	527890 184144
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Clothing Co 6, Erskine Road, London, NW3 3AJ Clothing & Fabrics - Manufacturers Inactive Manually positioned to the address or location	A14NE (E)	858	-	527883 184184
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Somerville Amy Leeder House, 6, Erskine Road, London, NW3 3AJ Furniture Manufacturers - Home & Office Active Automatically positioned to the address	A14NE (E)	858	-	527883 184184
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries R J Welsh 156, Regents Park Road, London, NW1 8XN Hardware Inactive Automatically positioned to the address	A14NE (E)	883	-	527922 184111
84	Contemporary Trad Name: Location: Classification: Status:		A14NE (E)	886	-	527925 184115
84	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Blossom & Browne Ltd 160, Regents Park Road, London, NW1 8XN Dry Cleaners Active Automatically positioned to the address	A14NE (E)	890	-	527928 184120
85	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries P & P Print Ltd 4-5, Coleridge Gardens, London, NW6 3QH Printers Inactive Manually positioned to the address or location	A12NW (W)	846	-	526191 184088
85	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Haidemenos 4-5, Coleridge Gardens, London, NW6 3QH Food Products - Manufacturers Inactive Automatically positioned to the address	A12NW (W)	846	-	526191 184088
85	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Dot Talent Suite 1, 4-5, Coleridge Gardens, London, NW6 3QH Digital Printing Inactive Automatically positioned to the address	A12NW (W)	846	-	526191 184088



Page 31 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
86	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Wellington Road Filling Station 21, Wellington Road, London, NW8 9SQ Petrol Filling Stations - 24 Hour Active Manually positioned to the address or location	A8SW (S)	861	-	526864 183080
87	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Spring Fresh Cleaning Services A, 19, Ainsworth Way, London, NW8 0SR Carpet, Curtain & Upholstery Cleaners Inactive Automatically positioned to the address	A12SW (W)	864	-	526170 183869
88	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Spellbound Entertainment Ltd 6, Primrose Mews, Sharpleshall Street, London, NW1 8YW Television & Video Manufacturers & Wholesalers Inactive Automatically positioned to the address	A14NE (E)	875	-	527925 184028
89	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Sih 2001 Ltd 46, Goldhurst Terrace, London, NW6 3HT Carpet, Curtain & Upholstery Cleaners Active Automatically positioned to the address	A17SW (NW)	878	-	526243 184358
90	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Cleaners Of Camden 34, Primrose Gardens, London, NW3 4TN Carpet, Curtain & Upholstery Cleaners Active Automatically positioned to the address	A19NW (NE)	891	-	527485 184753
91	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Robert Dyas Ltd 183, Finchley Road, London, NW3 6LB Hardware Active Automatically positioned to the address	A17SE (NW)	893	-	526368 184568
91	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Snappy Snaps 189, Finchley Road, London, NW3 6LB Photographic Processors Inactive Automatically positioned to the address	A17SW (NW)	905	-	526365 184581
91	Contemporary Trade Name: Location: Classification: Status:		A17SW (NW)	906	-	526333 184546
91	Contemporary Trade Name: Location: Classification: Status:	• • • • • • • • • • • • • • • • • • • •	A17SW (NW)	906	-	526333 184546
91	Status:	e Directory Entries Silk Dry Cleaning 17, Goldhurst Terrace, London, NW6 3HX Dry Cleaners Inactive Automatically positioned to the address	A17SW (NW)	906	-	526333 184546
92	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries St Johns Wood Autos Abbey Road, London, NW8 9DN Garage Services Active Automatically positioned to the address	A7SE (SW)	905	-	526443 183244
92	Contemporary Trade Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Langford Motors Langford Ct,22 Abbey Rd, London, NW8 9DN Garage Services Inactive Manually positioned to the address or location	A7SE (SW)	920	-	526418 183246



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
93	Location: Classification: Status:	Polirectory Entries Raniar Ltd Charles House, 108-110, Finchley Road, London, NW3 5JJ Manufacturers Inactive Manually positioned within the geographical locality	A17SE (NW)	908	-	526395 184617
94	Location: Classification: Status:	E Directory Entries The Studio 170, Regents Park Road, London, NW1 8XN Perfume Suppliers Inactive Automatically positioned to the address	A14NE (E)	911	-	527946 184141
94	Location: Classification: Status:	P Directory Entries P H Factor 172, Regents Park Road, London, NW1 8XN Toiletries Inactive Automatically positioned to the address	A14NE (E)	915	-	527949 184145
95	Location: Classification: Status:	E Directory Entries S L M Consultants 38, Fairhazel Gardens, London, NW6 3SJ Testing, Inspection & Calibration Equipment Manufacturers Inactive Automatically positioned to the address	A17SW (W)	918	-	526176 184308
96	Location: Classification: Status:	e Directory Entries Gems Dry Cleaning Co Ltd 90, Belsize Lane, London, NW3 5BE Dry Cleaners Active Automatically positioned to the address	A18NW (N)	934	-	526784 184870
96	Location: Classification: Status:	Directory Entries Mr Lewis Cohens Fry Cleaning Co 90, Belsize Lane, London, NW3 5BE Dry Cleaners Inactive Automatically positioned to the address	A18NW (N)	934	-	526784 184870
96	Location: Classification: Status:	E Directory Entries Smoother You Ltd 1, McCrone Mews, Belsize Lane, London, NW3 5BG Electrolysis Inactive Automatically positioned to the address	A18NW (N)	949	-	526777 184884
96	Contemporary Trade Name: Location: Classification: Status:		A18NW (N)	952	-	526768 184884
96	Location: Classification: Status:	Daleham Garage 14, Daleham Mews, London, NW3 5DB Garage Services Active Automatically positioned to the address	A18NW (N)	967	-	526749 184894
96	Location: Classification: Status:	Directory Entries Comac Motors 19, Daleham Mews, London, NW3 5DB Garage Services Inactive Automatically positioned to the address	A18NW (N)	977	-	526770 184911
96	Location: Classification: Status:	e Directory Entries Continental Autos 10, Daleham Mews, London, NW3 5DB Garage Services Inactive Automatically positioned to the address	A18NW (N)	989	-	526749 184917
97	Location: Classification: Status:	E Directory Entries Custom Made Furniture Barkat House, 116-118, Finchley Road, London, NW3 5HT Furniture Manufacturers - Home & Office Active Automatically positioned to the address	A17NE (NW)	942	-	526376 184647



Page 33 of 44

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
97	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Cross Weir Ltd Barkat House, 116-118, Finchley Road, London, NW3 5HT Valve Manufacturers & Suppliers Inactive Automatically positioned to the address	A17NE (NW)	942	-	526376 184647
97	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Kwik Fit Finchley Road, London, NW3 5HT Tyre Dealers Active Manually positioned within the geographical locality	A17NW (NW)	971	-	526359 184670
98	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Carlina Carr 29a, Greencroft Gardens, London, NW6 3LN Telecommunications Equipment & Systems Inactive Automatically positioned to the address	A17SW (NW)	944	-	526188 184398
99	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Pearl & Black English Originals 13, Belsize Grove, London, NW3 4UX Stationery Manufacturers Inactive Automatically positioned to the address	A18NE (N)	948	-	527340 184878
100	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	le Directory Entries The Belsize Plumbing Co Ltd 24, Belsize Grove, London, NW3 4TR Boilers - Servicing, Replacements & Repairs Inactive Automatically positioned to the address	A19NW (N)	949	-	527399 184857
101	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	Pe Directory Entries Fontana Guisti Architects 185, Goldhurst Terrace, London, NW6 3ER Carpet, Curtain & Upholstery Cleaners Inactive Automatically positioned to the address	A12NW (W)	957	-	526075 184057
102	Contemporary Trad Name: Location: Classification: Status:		A17NE (NW)	969	-	526607 184839
103	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	le Directory Entries 47 Jours Design 19, Glenloch Road, London, NW3 4DJ Soft Furnishings - Manufacturers Inactive Automatically positioned to the address	A18NE (N)	978	-	527191 184943
104	Contemporary Trad Name: Location: Classification: Status: Positional Accuracy:	e Directory Entries Siciliana 6, Blenheim Terrace, London, NW8 0EB Dry Cleaners Active Manually positioned to the address or location	A7NW (SW)	993	-	526201 183394
105	Fuel Station Entries Name: Location: Brand: Premises Type: Status: Positional Accuracy:	Boundary Road Service Station 150 Loudon Road, St Johns Wood, LONDON, NW8 0DH Total Not Applicable Obsolete Automatically positioned to the address	A12NE (W)	605	-	526423 183961
106	Fuel Station Entries Name: Location: Brand: Premises Type: Status: Positional Accuracy:	Loudon Road Service Station 21a, Loudon Road, St Johns Wood, London, Greater London, NW8 0NB Unbranded Not Applicable Obsolete Manually positioned to the address or location	A12SE (SW)	716	-	526375 183661



Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
107	Fuel Station Entries Name: Location: Brand: Premises Type:	Hampstead Connect 104a, Finchley Road, London, NW3 5EY BP Petrol Station	A17SE (NW)	810	-	526471 184554
	Status: Positional Accuracy: Fuel Station Entries	Open Automatically positioned to the address				
108	Name: Location: Brand: Premises Type: Status: Positional Accuracy:	Wellington Connect Wellington Road, London, NW8 9SQ BP Petrol Station Open Manually positioned to the address or location	A8SW (S)	861	-	526864 183080

Order Number: 72033053_1_1 Date: 02-Sep-2015 rpr_ec_datasheet v50.0 A Landmark Information Group Service Page 34 of 44



Sensitive Land Use

Map ID		Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Nature Rese	rves				
109	Name: Multiple Area: Area (m2): Source: Designation Date:	St John'S Wood Church Grounds N 19877 Natural England 28th March 2012	A8SE (S)	866	7	527088 183057

Order Number: 72033053_1_1 Date: 02-Sep-2015 rpr_ec_datasheet v50.0 A Landmark Information Group Service Page 35 of 44



Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices		
London Borough of Hackney - Environmental Health Department	April 2015	Annual Rolling Update
London Borough of Islington - Public Protection	August 2013	Annual Rolling Update
London Borough of Wandsworth - Environmental Health Department	January 2013	Annual Rolling Update
London Borough of Barnet - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Camden - Pollution Projects Team	March 2013	Annual Rolling Update
Royal Borough of Kensington And Chelsea - Environmental Services	May 2014	Annual Rolling Update
London Borough of Lambeth - Environmental Health Department	November 2014	Annual Rolling Update
London Borough of Ealing - Environmental Health and Trading Standards Division	October 2013	Annual Rolling Update
City of London - Environmental Health Department	October 2014	Annual Rolling Update
London Borough of Haringey - Planning and Environmental Health	October 2014	Annual Rolling Update
London Borough of Tower Hamlets - Environmental Health Department	October 2014	Annual Rolling Update
Westminster City Council - Environmental Health Department	October 2014	Annual Rolling Update
London Borough of Hammersmith And Fulham - Environmental Health Department	September 2013	Annual Rolling Update
London Borough of Brent - Environmental Health Department	September 2014	Annual Rolling Update
Discharge Consents		
Environment Agency - Thames Region	July 2015	Quarterly
Enforcement and Prohibition Notices		
Environment Agency - Thames Region	March 2013	As notified
Integrated Pollution Controls		
Environment Agency - Thames Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control		
Environment Agency - Thames Region	July 2015	Quarterly
Local Authority Integrated Pollution Prevention And Control		
London Borough of Barnet - Environmental Health Department	April 2013	Annual Rolling Update
City of London - Environmental Health Department	August 2014	Annual Rolling Update
London Borough of Wandsworth - Environmental Health Department	August 2014	Annual Rolling Update
London Borough of Brent - Environmental Health Department	January 2013	Annual Rolling Update
London Borough of Islington - Environmental Health Department	January 2015	Annual Rolling Update
London Borough of Ealing - Environmental Health and Trading Standards Division	July 2015	Annual Rolling Update
London Borough of Haringey - Planning and Environmental Health	June 2014	Annual Rolling Update
London Borough of Hammersmith And Fulham - Environmental Health Department	March 2014	Annual Rolling Update
London Borough of Hackney - Environmental Health Department	March 2015	Annual Rolling Update
Westminster City Council - Environmental Health Department	November 2013	Annual Rolling Update
London Borough of Lambeth - Environmental Health Department	October 2013	Annual Rolling Update
London Borough of Camden - Pollution Projects Team	October 2014	Annual Rolling Update
London Borough of Tower Hamlets - Environmental Health Department	October 2014	Annual Rolling Update
London Port Health Authority - Environmental Services	October 2014	Annual Rolling Update
Royal Borough of Kensington And Chelsea - Environmental Health Department	September 2014	Annual Rolling Update



Agency & Hydrological	Version	Update Cycle
ocal Authority Pollution Prevention and Controls		
City of London - Environmental Health Department	August 2014	Annual Rolling Upda
ondon Borough of Wandsworth - Environmental Health Department	August 2014	Annual Rolling Upda
ondon Borough of Barnet - Environmental Health Department	December 2014	Annual Rolling Upda
ondon Borough of Brent - Environmental Health Department	January 2013	Annual Rolling Upda
ondon Borough of Islington - Environmental Health Department	January 2015	Annual Rolling Upda
ondon Borough of Ealing - Environmental Health and Trading Standards Division	July 2015	Annual Rolling Upda
ondon Borough of Haringey - Planning and Environmental Health	June 2014	Annual Rolling Upda
ondon Borough of Hammersmith And Fulham - Environmental Health Department	March 2014	Annual Rolling Upda
ondon Borough of Hackney - Environmental Health Department	March 2015	Annual Rolling Upda
Nestminster City Council - Environmental Health Department	November 2013	Annual Rolling Upda
ondon Borough of Lambeth - Environmental Health Department	October 2013	Annual Rolling Upda
ondon Borough of Camden - Pollution Projects Team	October 2014	Annual Rolling Upda
ondon Borough of Tower Hamlets - Environmental Health Department	October 2014	Annual Rolling Upda
ondon Port Health Authority - Environmental Services	October 2014	Annual Rolling Upda
ondon Borough of Waltham Forest - Environmental Health Department	September 2014	Annual Rolling Upda
Royal Borough of Kensington And Chelsea - Environmental Health Department	September 2014	Annual Rolling Upda
ocal Authority Pollution Prevention and Control Enforcements		
City of London - Environmental Health Department	August 2014	Annual Rolling Upda
ondon Borough of Wandsworth - Environmental Health Department	August 2014	Annual Rolling Upda
ondon Borough of Barnet - Environmental Health Department	December 2014	Annual Rolling Upda
ondon Borough of Brent - Environmental Health Department	January 2013	Annual Rolling Upda
ondon Borough of Islington - Environmental Health Department	January 2015	Annual Rolling Upda
ondon Borough of Ealing - Environmental Health and Trading Standards Division	July 2015	Annual Rolling Upda
ondon Borough of Haringey - Planning and Environmental Health	June 2014	Annual Rolling Upda
ondon Borough of Hammersmith And Fulham - Environmental Health Department	March 2014	Annual Rolling Upda
ondon Borough of Hackney - Environmental Health Department	March 2015	Annual Rolling Upda
Nestminster City Council - Environmental Health Department	November 2013	Annual Rolling Upda
ondon Borough of Lambeth - Environmental Health Department	October 2013	Annual Rolling Upda
ondon Borough of Camden - Pollution Projects Team	October 2014	Annual Rolling Upda
ondon Borough of Tower Hamlets - Environmental Health Department	October 2014	Annual Rolling Upda
ondon Port Health Authority - Environmental Services	October 2014	Annual Rolling Upda
Royal Borough of Kensington And Chelsea - Environmental Health Department	September 2014	Annual Rolling Upda
Nearest Surface Water Feature		
Ordnance Survey	July 2012	Quarterly
Pollution Incidents to Controlled Waters		
Environment Agency - Thames Region	September 1999	Not Applicable
Prosecutions Relating to Authorised Processes		
Environment Agency - Thames Region	March 2013	As notified
Prosecutions Relating to Controlled Waters		
Environment Agency - Thames Region	March 2013	As notified
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	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	001y 2012	
	ouly 2012	
Environment Agency - Head Office	July 2015	Quarterly
Environment Agency - Head Office Substantiated Pollution Incident Register Environment Agency - Thames Region - North East Area		Quarterly Quarterly
Environment Agency - Head Office Substantiated Pollution Incident Register	July 2015	
Environment Agency - Head Office Substantiated Pollution Incident Register Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area	July 2015	
Environment Agency - Head Office Substantiated Pollution Incident Register Environment Agency - Thames Region - North East Area Environment Agency - Thames Region - South East Area Water Abstractions	July 2015 July 2015	Quarterly



Page 38 of 44

Agency & Hydrological	Version	Update Cycle
Groundwater Vulnerability		
Environment Agency - Head Office	April 2015	Not Applicable
Drift Deposits		
Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations		
British Geological Survey - National Geoscience Information Service	October 2012	As notified
Superficial Aquifer Designations		
British Geological Survey - National Geoscience Information Service	January 2015	As notified
Source Protection Zones		
Environment Agency - Head Office	July 2015	Quarterly
Extreme Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	May 2015	Quarterly
Flooding from Rivers or Sea without Defences		
Environment Agency - Head Office	May 2015	Quarterly
Areas Benefiting from Flood Defences		
Environment Agency - Head Office	May 2015	Quarterly
Flood Water Storage Areas		
Environment Agency - Head Office	May 2015	Quarterly
Flood Defences		
Environment Agency - Head Office	May 2015	Quarterly
Detailed River Network Lines		
Environment Agency - Head Office	March 2012	Annually
Detailed River Network Offline Drainage		
Environment Agency - Head Office	March 2012	Annually
Surface Water 1 in 30 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent		
Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability		
Environment Agency - Head Office	October 2013	As notified



Waste	Version	Update Cycle
BGS Recorded Landfill Sites		
British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
listorical Landfill Sites		
Environment Agency - Thames Region - North East Area	May 2015	Quarterly
Environment Agency - Thames Region - South East Area	May 2015	Quarterly
ntegrated Pollution Control Registered Waste Sites		
Environment Agency - Thames Region	October 2008	Not Applicable
icensed Waste Management Facilities (Landfill Boundaries)		
Environment Agency - Thames Region - North East Area	August 2014	Quarterly
Environment Agency - Thames Region - South East Area	August 2014	Quarterly
icensed Waste Management Facilities (Locations)		
Environment Agency - Thames Region - North East Area	April 2015	Quarterly
invironment Agency - Thames Region - South East Area	April 2015	Quarterly
ocal Authority Landfill Coverage		
City of London - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Barnet	May 2000	Not Applicable
ondon Borough of Brent - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Camden	May 2000	Not Applicable
ondon Borough of Ealing	May 2000	Not Applicable
ondon Borough of Hackney	May 2000	Not Applicable
ondon Borough of Hammersmith And Fulham - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Haringey - Planning Department	May 2000	Not Applicable
ondon Borough of Islington - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Lambeth - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Tower Hamlets - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Wandsworth - Environmental Health Department	May 2000	Not Applicable
Royal Borough of Kensington And Chelsea	May 2000	Not Applicable
Vestminster City Council - Environmental Health Department	May 2000	Not Applicable
ocal Authority Recorded Landfill Sites		
ondon Borough of Tower Hamlets - Environmental Health Department	April 2003	Not Applicable
ondon Borough of Wandsworth - Environmental Health Department	April 2003	Not Applicable
City of London - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Barnet	May 2000	Not Applicable
ondon Borough of Brent - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Camden	May 2000	Not Applicable
ondon Borough of Ealing	May 2000	Not Applicable
ondon Borough of Hackney	May 2000	Not Applicable
ondon Borough of Hammersmith And Fulham - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Haringey - Planning Department	May 2000	Not Applicable
ondon Borough of Islington - Environmental Health Department	May 2000	Not Applicable
ondon Borough of Lambeth - Environmental Health Department	May 2000	Not Applicable
Royal Borough of Kensington And Chelsea	May 2000	Not Applicable
Vestminster City Council - Environmental Health Department	May 2000	Not Applicable
legistered Landfill Sites		
Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Registered Waste Transfer Sites		
Environment Agency - Thames Region - North East Area	March 2003	Not Applicable
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable
Registered Waste Treatment or Disposal Sites		
nvironment Agency - Thames Region - North East Area	June 2015	Not Applicable
Environment Agency - Thames Region - South East Area	March 2003	Not Applicable

Order Number: 72033053_1_1 Date: 02-Sep-2015 rpr_ec_datasheet v50.0 A Landmark Information Group Service



Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH)		
Health and Safety Executive	June 2015	Bi-Annually
Explosive Sites		
Health and Safety Executive	June 2015	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS)		
Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements		
London Borough of Ealing	December 2014	Annual Rolling Update
London Port Health Authority - Environmental Services	January 2008	Annual Rolling Upda
Royal Borough of Kensington And Chelsea	July 2014	Annual Rolling Upda
City of London	March 2014	Annual Rolling Upda
Westminster City Council	March 2014	Annual Rolling Upda
ondon Borough of Wandsworth - Technical Services	March 2015	Annual Rolling Upda
London Borough of Brent	November 2013	Annual Rolling Upda
London Borough of Haringey	November 2014	Annual Rolling Upda
London Borough of Barnet	October 2014	Annual Rolling Upda
London Borough of Camden	October 2014	Annual Rolling Upda
London Borough of Tower Hamlets	October 2014	Annual Rolling Upda
London Borough of Islington	September 2013	Annual Rolling Upda
London Borough of Hackney	September 2014	Annual Rolling Upda
London Borough of Hammersmith And Fulham - Environmental Protection	September 2014	Annual Rolling Upda
London Borough of Lambeth - Planning Department	September 2014	Annual Rolling Upda
Planning Hazardous Substance Consents		
London Borough of Ealing	December 2014	Annual Rolling Upda
London Port Health Authority - Environmental Services	January 2008	Annual Rolling Upda
Royal Borough of Kensington And Chelsea	July 2014	Annual Rolling Upda
City of London	March 2014	Annual Rolling Upda
Westminster City Council	March 2014	Annual Rolling Upda
London Borough of Wandsworth - Technical Services	March 2015	Annual Rolling Upda
London Borough of Brent	November 2013	Annual Rolling Upda
London Borough of Haringey	November 2014	Annual Rolling Upda
London Borough of Harmey	October 2014	Annual Rolling Upda
London Borough of Camden	October 2014	Annual Rolling Upda
London Borough of Camach London Borough of Tower Hamlets	October 2014	Annual Rolling Upda
London Borough of Islington	September 2013	Annual Rolling Upda
London Borough of Hackney	September 2014	Annual Rolling Upda
London Borough of Hackney London Borough of Hammersmith And Fulham - Environmental Protection	September 2014	Annual Rolling Upda
London Borough of Flammershillt And Fullant - Environmental Frotection	September 2014	Annual Rolling Upda

Order Number: 72033053_1_1 Date: 02-Sep-2015 rpr_ec_datasheet v50.0 A Landmark Information Group Service Page 40 of 44



Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology		
British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry		
British Geological Survey - National Geoscience Information Service	January 2010	Annually
BGS Recorded Mineral Sites		
British Geological Survey - National Geoscience Information Service	May 2015	Bi-Annually
BGS Urban Soil Chemistry		
British Geological Survey - National Geoscience Information Service	June 2011	Annually
BGS Urban Soil Chemistry Averages		
British Geological Survey - National Geoscience Information Service	June 2011	Annually
Brine Compensation Area		
Cheshire Brine Subsidence Compensation Board	August 2011	Not Applicable
Coal Mining Affected Areas		
The Coal Authority - Mining Report Service	March 2014	As notified
Mining Instability		
Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain		
British Geological Survey - National Geoscience Information Service	July 2014	Not Applicable
Potential for Collapsible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards		
British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures		
British Geological Survey - National Geoscience Information Service	July 2011	As notified
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries		
Thomson Directories	May 2015	Quarterly
Fuel Station Entries		
Catalist Ltd - Experian	August 2015	Quarterly



Sensitive Land Use	Version	Update Cycle
Areas of Adopted Green Belt		
London Borough of Barnet	May 2015	As notified
London Borough of Ealing	May 2015	As notified
London Borough of Haringey	May 2015	As notified
Areas of Unadopted Green Belt		
London Borough of Barnet	May 2015	As notified
London Borough of Ealing	May 2015	As notified
London Borough of Haringey	May 2015	As notified
Areas of Outstanding Natural Beauty		
Natural England	February 2015	Bi-Annually
Environmentally Sensitive Areas		
Natural England	August 2014	Annually
Forest Parks		
Forestry Commission	April 1997	Not Applicable
Local Nature Reserves		
Natural England	April 2015	Bi-Annually
Marine Nature Reserves		
Natural England	July 2013	Bi-Annually
National Nature Reserves		
Natural England	March 2015	Bi-Annually
National Parks		
Natural England	August 2015	Bi-Annually
Nitrate Sensitive Areas		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	February 2012	Not Applicable
Nitrate Vulnerable Zones		
Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	July 2014	Annually
Ramsar Sites		
Natural England	March 2014	Bi-Annually
Sites of Special Scientific Interest		
Natural England	April 2015	Bi-Annually
Special Areas of Conservation		
Natural England	March 2014	Bi-Annually
Special Protection Areas		
Natural England	April 2015	Bi-Annually



Data Suppliers

A selection of organisations who provide data within this report

Data Supplier	Data Supplier Logo
Ordnance Survey	Ordnance Survey® Licensed Partner
Environment Agency	Environment Agency
Scottish Environment Protection Agency	SEPA Scottish Environment Protection Agency
The Coal Authority	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	Cyfoeth Naturiol Cymru Natural Resources Wales
Scottish Natural Heritage	SCOTTISH NATURAL HERITAGE 谜소화
Natural England	NATURAL ENGLAND
Public Health England	Public Health England
Ove Arup	ARUP
Peter Brett Associates	peterbrett



Useful Contacts

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3	Environment Agency - National Customer Contact Centre (NCCC)	Telephone: 08708 506 506 Email: enquiries@environment-agency.gov.uk
	PO Box 544, Templeborough, Rotherham, S60 1BY	
4	London Borough of Waltham Forest - Environmental Health Department	Telephone: 020 8496 3000 Fax: 0181 524 8960 Website: www.lbwf.gov.uk
	154 Blackhorse Road, Walthamstow, London, E17 6NW	
5	London Borough of Camden - Pollution Projects Team Seventh Floor, Town Hall Extension, Argyle Street, London, WC1H 8EQ	Telephone: 020 7278 4444 Fax: 020 7860 5713 Website: www.camden.gov.uk
6	Westminster City Council - Environmental Health Department Council House, Marylebone Road, London, NW1 5PT	Telephone: 020 7641 1317 Fax: 020 7641 1142 Website: www.westminster.gov.uk
7	Natural England Suite D, Unex House, Bourges Boulevard, Peterborough, Cambridgeshire, PE1 1NG	Telephone: 0845 600 3078 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
8	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
9	London Borough of Camden Town Hall, Judd Street, London, WC1H 9JE	Telephone: 020 7974 4444 Fax: 020 7974 6866 Email: info@camden.gov.uk Website: www.camden.gov.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.

