



# LUSTRE

Brompton

## CONSULTING

## SHAWLINE HOUSE – NORTHFLEET, GRAVESEND

### PHASE 1 DESK STUDY

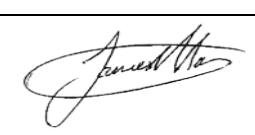




## NON-TECHNICAL SUMMARY

|                                              | SUMMARY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|----------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Site                                         | Shawline House, The Shore, Northfleet, Gravesend, Kent, DA11 9NE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Proposed Development                         | Current proposals involve the complete clearance of the site and the construction of a new residential development comprising seven apartments with undercroft parking (no ground floor dwellings) and site-wide hardstanding. No soft landscaping or garden areas are proposed.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Current Use                                  | The site currently comprises a single-storey, flat-roofed, former canteen building. The building is derelict and has been vandalised and appears to have previously been used by squatters. An array of waste materials are present within the building.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Site History                                 | The site once formed part of the Rosherville Hotel and comprised the 'Rosherville Shades' public house and bar. The pub reportedly operated between 1855 and 1922. A canteen was present on site from the early-1950s and was reportedly later used as an engineering drawing office. Based on historical mapping records, no significant contaminative land uses have been identified on site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Key Sources of Potential Contamination       | On-site: Made Ground, waste materials and potential ACM within the existing building.<br><br>Off-site: Various contemporary and historic commercial and industrial activities including the nearby cement works and the former Henley Cable Works and Imperial Paper Mills within the wider area.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Geology, Hydrogeology and Hydrology          | The site is shown to be underlain by the Lewes Nodular Chalk Formation, Seaford Chalk Formation and the Newhaven Chalk Formation (Undifferentiated) which comprises a fossil-rich white Chalk with numerous marl seams and flint bands and discrete Limestone. No Superficial Deposits are shown to be present on site.<br><br>Historical mapping records show that the site and immediate surroundings have undergone various phases of construction and subsequent demolition. It is possible that demolition materials may have been retained and spread across the site, forming a layer of Made Ground. Additional Made Ground and re-worked natural strata associated with the retaining wall on site is likely. It appears that the land behind the river wall on which the site is located was raised or at least re-modelled to create the current ground level in the 1800s.<br><br>The Chalk bedrock is a Principal Aquifer. The site does not lie within a groundwater SPZ and no groundwater abstractions are recorded within 700m of the site boundary. The nearest surface water feature is The River Thames located 20m north of the site. |
| Land Quality Conclusions and Recommendations | <ul style="list-style-type: none"> <li>• A <b>low risk</b> has been identified to future residents, site visitors and neighbours from the Made Ground (and any associated impacts from current or historic activities including any waste materials on site).</li> <li>• An <b>acceptably low</b> risk has been identified to the River Thames and shallow and deep groundwater on site from the Made Ground during the construction phase.</li> <li>• A <b>low risk</b> has been identified with regards to future residents, the underlying natural strata and controlled waters associated with the potential off-site historical and contemporary sources of contamination identified due to the presence of hard cover across the entire site, minimising infiltration and the mobilisation of contamination.</li> </ul>                                                                                                                                                                                                                                                                                                                              |
| Recommendations                              | Based on the above risk ratings, further investigation is required to refine the risk assessment and validate the conceptual site model. A Phase 2 Site Investigation is therefore recommended which would aim to determine the contaminative status of the site as well as the ground gas regime. Geotechnical investigation will be required to inform foundation design and can be combined with any environmental investigation works.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |



| PROJECT RECORD                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |                   |                 |                                                                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|-------------------|-----------------|-------------------------------------------------------------------------------------|
| PROJECT NAME                                                                                                                                                                                                                                                                                                                                                                                                                                      | SHAWLINE HOUSE – NORTHFLEET, GRAVESEND                                 |                   |                 |                                                                                     |
| CLIENT                                                                                                                                                                                                                                                                                                                                                                                                                                            | MAC DESIGNERS LTD                                                      |                   |                 |                                                                                     |
| REPORT DETAILS                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                        |                   |                 |                                                                                     |
| TYPE                                                                                                                                                                                                                                                                                                                                                                                                                                              | PHASE 1 DESK STUDY                                                     |                   |                 |                                                                                     |
| REFERENCE                                                                                                                                                                                                                                                                                                                                                                                                                                         | 3748 - 200925 - AP                                                     |                   |                 |                                                                                     |
| ISSUE DATE                                                                                                                                                                                                                                                                                                                                                                                                                                        | OCTOBER 2020                                                           |                   |                 |                                                                                     |
| AUTHOR                                                                                                                                                                                                                                                                                                                                                                                                                                            | MATTHEW LARKIN<br>BSc (Hons) MSc MCIWEM C.WEM CSci RSoBRA<br>PRINCIPAL |                   |                 |  |
| REVIEWER                                                                                                                                                                                                                                                                                                                                                                                                                                          | JAMES MAY<br>BSc (Hons)<br>DIRECTOR                                    |                   |                 |  |
| REGISTRATION OF AMENDMENTS                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                        |                   |                 |                                                                                     |
| REVISION                                                                                                                                                                                                                                                                                                                                                                                                                                          | DATE                                                                   | AMENDMENT DETAILS | REVISION AUTHOR | REVISION REVIEWER                                                                   |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                                                                        |                   |                 |                                                                                     |
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| <div>  <div> <p>2<sup>nd</sup> Floor North</p> <p>The Fitted Rigging House</p> <p>The Historic Dockyard</p> <p>Chatham Kent, ME4 4TZ</p> </div> <div> <p>t 01634 757 705</p> <p>e info@lustreconsulting.com</p> <p>w lustreconsulting.com</p> </div> <div>  </div> </div> |                                                                        |                   |                 |                                                                                     |





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- APPENDIX B: HISTORICAL MAPS
- APPENDIX C: HISTORICAL BOREHOLE LOGS
- APPENDIX D: NOTES ON LIMITATIONS





## 1.0 INTRODUCTION

- 1.1 This Phase 1 Desk Study has been prepared for the clearance and redevelopment of a site located on the north-western corner of Lansdowne Square, on the southern side of The Shore in Northfleet, Gravesend, Kent by Lustre Consulting Limited (Lustre) for Mac Designers Ltd. (the Client). The postcode for the site is DA11 9NE. The assessment has been undertaken in accordance with our fee proposal dated 01/09/2020, which was formally approved by Mac Designers Ltd on 17/09/2020.
- 1.2 The site is approximately rectangular in shape and is centered at the approximate National Grid Reference 563680, 174460. The site occupies an approximate area of 0.02 hectares as shown in Figure 1. The site currently comprises a single-storey, former canteen and office building and is located within a mixed-use area, directly south of the River Thames. The Client requires this Phase 1 Desk Study to support redevelopment works at the site. It is understood that proposals involve the complete clearance of the site and the construction of a new residential development. The proposed development will comprise seven residential apartments with undercroft parking (no ground floor dwellings) and site-wide hardstanding. No soft landscaping or garden areas are proposed on site.

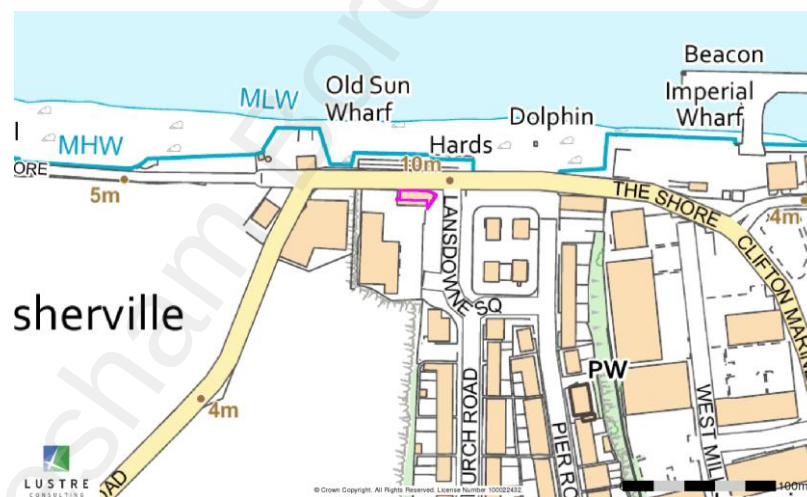


Figure 1: Site Location Plan

- 1.3 It is understood that Condition(s) outlined by the Local Planning Authority (LPA) Gravesham Borough Council (planning reference: 20170688) specifically relates to land contamination. This Phase 1 Desk Study for the site has been deemed to be required to support the planning application for the site. Figure 2 overleaf illustrates the proposed development scheme.





Figure 2: Proposed Site Layout

## Objective

- 1.4 The objective of this Phase 1 Desk Study (also known as a Contaminated Land Assessment) is to determine the contaminative status of the site and to provide a general indication of the likely geoenvironmental issues which may be present on site or affect the site, as well as to provide guidance on any resultant liabilities. Information on likely geotechnical conditions and hazards is also to be assessed.

## Scope of Works

- 1.5 The scope of works for the desk study is summarised below:
- Review of available historical Ordnance Survey maps (dating back to the 1860s) of the site and surrounding areas to identify current or former potential sources of contamination both on-site and within the immediate surrounds;
  - Review of published geological, hydrogeological and hydrological records to assess the environmental setting of the site and surrounding areas;
  - Review of available public information and up-to-date regulatory information from relevant authorities to identify any potentially significant environmental issues at the site and surrounding areas;
  - Review of any existing information and reports relating to the site and surrounding area, including any available plans, development layouts etc; and
  - Development of a conceptual site model and risk assessment following the source-pathway-receptor pollution linkage.





- 1.6 The Phase 1 Desk Study has been prepared in keeping with best practice and current planning guidance. *The National Planning Policy Framework (NPPF)*<sup>1</sup> advises regulatory consultees to ensure that adequate site investigation information is provided at the initial planning stage, whilst the Environment Agency's *Model Procedures for the Management of Land Contamination (CLR11)*<sup>2</sup> requires a phased, risk-based approach when dealing with land affected by contamination in the UK.
- 1.7 This Phase 1 Desk Study forms the first stage of an iterative contaminated land assessment, to identify any potential sources of contamination before undertaking any further intrusive Phase 2 investigation works or remedial action, if required. The methodology adopted in this Phase 1 Desk Study is based on the source-pathway-receptor model as set out in *CLR11*<sup>2</sup>. More information on Lustre's approach to such assessments can be found at the following link: [www.lustreconsulting.com/Services/ContaminatedLandAssessment.aspx](http://www.lustreconsulting.com/Services/ContaminatedLandAssessment.aspx).

#### Asbestos Containing Materials (ACM)

- 1.8 Under Regulation 4 of the Control of Asbestos Regulations 2012<sup>3</sup>, those parties ("duty holders") who have control over the maintenance or repair of non-domestic premises are required to identify and manage any asbestos or presumed asbestos found in their premises. Where asbestos is or is liable to be present, the duty holder(s) shall ensure that they have an adequate management plan, undertake and review risk assessments and maintain an Asbestos Register detailing the probable exposure to all employees and site users. The duty holder may be the business owner, landlord, tenant, or others by virtue of a contract.
- 1.9 Regulation 5 requires duty holder(s) to identify asbestos prior to maintenance or any other work which exposes or is liable to expose employees to asbestos unless there has been a sufficient assessment. There is always a risk that asbestos will be present in soils, under hardstanding and below ground structures, and that it may spread particularly during clearance and demolition works. It is therefore essential that any asbestos or presumed asbestos is identified, managed, removed and disposed by a licensed remover (if licensable work) in accordance with relevant HSE guidance. It is the responsibility of the duty holder under Regulation 16 to ensure measures are put in place to prevent the 'spread' of asbestos.
- 1.10 Where ACM in existing structures (i.e. within the building fabric) is observed during the site walkover, a brief description will be included in this report in order to inform our assessment

<sup>1</sup> Department for Communities and Local Government, National Planning Policy Framework, February 2019.

<sup>2</sup> DEFRA/Environment Agency, Model Procedures for the Management of Land Contamination, CLR11, September 2004.

<sup>3</sup> Control of Asbestos Regulations (CAR) 2012





of Asbestos Containing Soils (ACS) (presented in Chapter 2.0). It must be noted however, that this Phase 1 Desk Study does not include detailed identification and assessment of ACM within existing structures both above and below ground (i.e. basements, services). This should be carried out by an appropriately experienced and qualified asbestos surveyor and is outside of our agreed scope of works.

- 1.11 Where ACM is present on proposed development sites, there is always a risk of impacting the underlying soils, particularly during clearance and demolition works. It is therefore essential that any ACM identified by the asbestos surveyor is appropriately managed, removed and disposed offsite by specialist contractors in accordance with good practise and current guidance. It is the responsibility of the duty holder and / or client to ensure measures are put in place to prevent contamination of the soils during such works.

#### **Reliance and Limitations**

- 1.12 This report has been prepared using published information and information provided by the Client made available at the time of writing only. Lustre Consulting accepts no liability for any information which has become available since this time.
- 1.13 Lustre Consulting owes no duty of care and has no liability to any Third Party who is not authorised by Lustre Consulting to use this report. Any unauthorised Third parties using information contained in this report do so at their own risk.
- 1.14 Whilst this report references observations made regarding the presence of features/ issues such as invasive species, ACM, site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to Lustre so that we may determine if this has any discernible impact on the findings of this report.
- 1.15 Third party information which has been reviewed and used to inform the assessments presented herein, including public records held by various regulatory authorities and environmental database data has been assumed to be true and accurate.
- 1.16 This assessment has been carried out to determine the potential risks posed to future end users, along with other key receptors, based on the current development. Should revisions in the development proposals result in a change any assessment parameters detailed in this report, a re-assessment of the risk should be carried out.





### Report Structure

- 1.17 The report structure generally follows the pollution linkage approach described above. Chapter 2 of the report provides information relating to the "**source(s)**" of potential contamination through a study of current and historical land uses, whilst the sensitivity and anthropology information in Chapter 3 relates to the "**receptor**" and "**pathway**" components. Report conclusions and recommendations, including a summary of the conceptual site model and risk assessment Appendix, are set out in Chapter 4.





## 2.0 LAND USE

### Introduction

- 2.1 This chapter identifies and provides information on any potential on-site and off-site **"sources"** of contamination within the source-pathway-receptor model. The chapter includes a review of information obtained from photographic records, publicly recorded information on environmental issues and controls within relevant distances of the site (which may indicate the presence of potential source(s) of contamination, such as licensed landfills), available planning records obtained from regulatory websites and OS historical mapping. A summary of the identified sources and potential contaminants are given at the end of the chapter.

### Site Description

- 2.2 A site walkover was undertaken by a qualified consultant from Lustre on the 25th September 2020. Access was granted to both the internal and external areas of the building. However, due to the disorder, quantity of abandoned waste materials and state of disrepair within the internal areas of the building access was limited. Several sections of the internal ceilings were collapsing and as such, entry into such areas of the building was restricted for health and safety reasons.

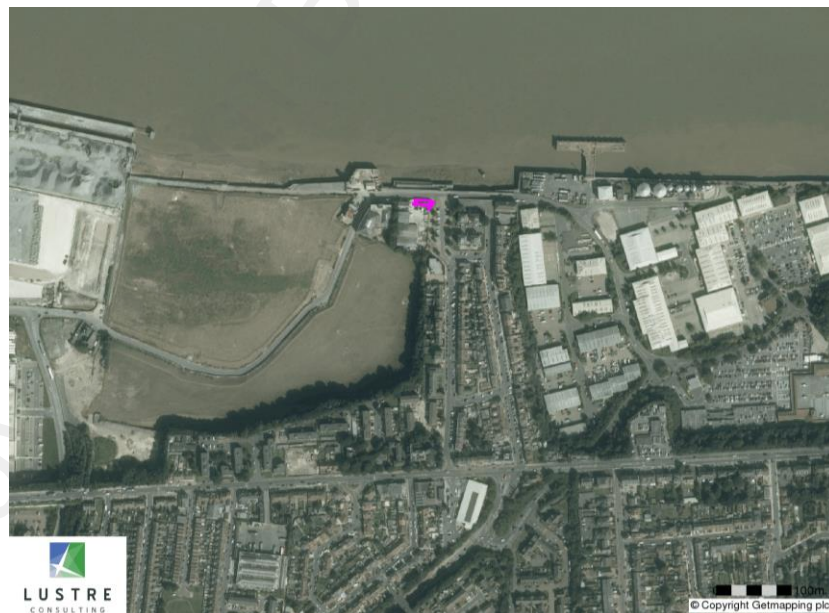


Figure 3: Aerial Photograph





- 2.3 The site occupies a prominent position on the north-western corner of Lansdowne Square and is separated from The Shore roadway by a curved façade on the eastern elevation. This is a remnant of the former Rosherville Hotel which occupied the western side of the square. The site slopes steeply from the square and around to the shore by approximately 2m.
- 2.4 The building on site is a single-storey, flat-roofed, white rendered structure with a series of windows along the northern and eastern sides of the building. Some of the windows were noted to have been secured with bars at the time of the site walkover, while the remainder appeared to have been damaged. The roofing materials and external façade were noted to have sustained some damage and some loose buildings materials were seen. Some barbed wire had been placed across the flat roof of the building to try to prevent access into the building.



*View of the building on site looking north towards the River Thames*



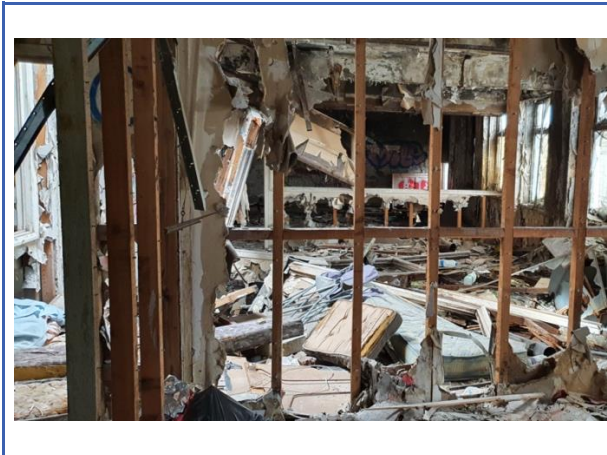
*View of the building on site looking south-west across The Shore*

- 2.5 At the time of the site walkover the site was vacant and appeared to have been used by squatters and vandalised. An array of materials were noted to be present within the building including furniture, cushions, mattresses, other household items, broken and collapsed dry lining, roofing panels and plasterboard. Cardboard, plastic bottles, sleeping bags, clothes, a toilet seat, broken glass, stagnant containers of water, loose plastic and general waste were scattered throughout the building. The building had been extensively vandalised as shown in the photos below and plants and trees had broken through cracks within the concrete and building structure. Some localised burning also appeared to have taken place. The building infrastructure including the doors, windows, guttering and external drainage was very poor quality and much of which was broken and in a state of disrepair.

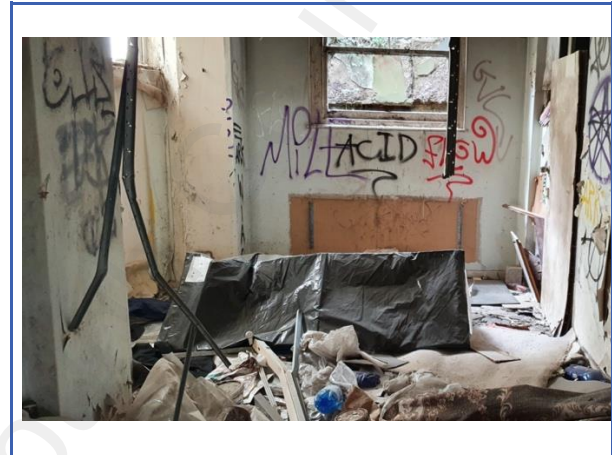




- 2.6 The building footprint of the site occupied the vast majority of the site area, with limited areas of external concrete hardstanding present. Buildings and hardstanding covered the entire site area, with no areas of soft landscaping present. The only vegetation on site comprised weeds growing on top of and into the building through cracks in the site surfacing. Based on the observations during the site walkover, the hardstanding (where present) was generally noted to be in very poor condition with cracks and damage evident.



*Complete destruction of some areas of the ceilings and stud walls within the building on site*



*Extensive damage, graffiti and vandalism evident within the building on site*

#### *Observations on Ground Stability and Structural Damage*

- 2.7 No evidence of ground stability hazards or structural damage was observed on site. However, this report does not constitute a structural survey or similar survey.

#### *Bulk Storage of Fuels and Hazardous Material*

- 2.8 Lustre has not been made aware of, or observed, any current or former bulk above ground fuel storage areas / hazardous material storage on site. No evidence of any current underground fuel tanks (e.g. unexplained manhole covers, vents, fill points etc.) was noted during the site walkover.
- 2.9 Some unknown containers were observed within the large amount of waste material on site, though no small-scale hazardous material storage was observed during the walkover.

#### *Asbestos Containing Soils (ACS)*

- 2.10 ACM was commonly used in construction and refurbishment projects until their use was prohibited in 1999. Given the age of the building(s) present on site (including any refurbishment works), the potential for ACM to be present within the building fabric and curtilage is possible.





No obvious asbestos containing materials (ACM) were observed during the site walkover, however, the inspection does not constitute an asbestos survey.

- 2.11 Soil contamination from asbestos can be caused through inappropriate use and poor care of ACM in the building fabric and curtilage causing cross contamination during historical demolition or renovation works. ACS can also be encountered within infilled land and/or imported sub-base / fill materials associated with previous construction or renovation works (such as the construction of a new hardstanding). The potential for ACS to be present underlying the hardstanding should be considered.

#### *Waste*

- 2.12 Based on the current site use, significant potentially contaminative waste streams are not considered likely. Despite this, a large quantity of domestic and fly-tipped waste was observed within the building on site during the walkover. The building will need to be cleared in its entirety prior to the commencement of demolition activities. All waste will need to be removed by a licensed waste carrier and disposed of in accordance with good practice guidance. From the observations made on site by Lustre, it can be concluded that housekeeping appears to be generally very poor across the site.

#### *Drainage*

- 2.13 Only sanitary wastewater, surface water run-off (from roof areas and hardstanding) appears to be generated on site. No evidence of activities that would require a discharge consent was observed during the site walkover. Lustre has not been made aware of any oil / water interceptors within the site drainage system by the Client. Existing drainage plans were not made available for viewing.
- 2.14 No surface water features were observed on site. No formal external drainage was present on site and no interceptors were identified during the site inspection.

#### *Persistent Organic Pollutants (POPs, inc. Polychlorinated Biphenyls (PCBs))*

- 2.15 No sub-stations, high voltage cables (in excess of 100kV) or other potential sources of PCB were identified at the site.
- 2.16 No other specific POP point sources were identified during the site inspection that could have adversely impacted the soils on site.

#### *Invasive Species*





- 2.17 No invasive species (e.g. Japanese knotweed, Giant Hogweed, Himalayan Balsam) were identified during the site walkover, however the site visit conducted does not constitute a full 'injurious weeds and invasive plants' survey.

*Potential Off-site Sources / Points of Interest*

- 2.18 The site has views over the River Thames and adjoins the existing Victorian Villas to the east which sit on a raised promenade, with rendered balustrade over the road which drops away to the Imperial Industrial Estate. The estate is home to a variety of retail and business activities from 125m south-east of the site including Sprint Engineering & Lubricants, Venesta clothing, a gym, Screwfix building supplier, a security business, label and packaging manufacturer, an electrical supplier and an Asda supermarket. This area of Northfleet was formerly part of the Imperial Paper Mills as detailed in Section 2.36 of this report.
- 2.19 To the west, the former Art Deco Henley office building which formed part of the Henley Cable Works (later referred to as the Aei Cable Works) has recently been demolished and is currently being redeveloped for residential use. The design of the new building reflects the original building in this location. This site forms part of a larger mixed-use regeneration scheme which will comprise around 550 new homes, employment and education opportunities, areas of open space and food and drink establishments. Extensive redevelopment was underway at the time of the site walkover in this area located to the west and south-west of the site. Fleetmix Concrete Works was operating from around 40m to the north-west of the site on the wharf.
- 2.20 To the immediate south, south-west and west of the site are light industrial buildings with a goods yard associated with a flooring shop, clothing manufacturer and supermarket. A car park and construction office (with associated vehicles and shipping containers) is also present within Lansdowne Square. Directly to the west of the site are overgrown walled off areas belonging to these different landowners.

*Further Surveys*

- 2.21 Whilst the site walkover discussion may reference observations regarding the presence of features / issues such as invasive species, ACM, site drainage and evidence of structural abnormalities, this report does not constitute specialist surveys on these matters. Should further specialist surveys be carried out in this regard, the findings of these should be reported to Lustre so that we may determine if this has any discernible impact on the findings of this report.

**Public Record Information**





- 2.22 Information on potentially significant environmental issues and controls at the site and surrounding area may be held on public records by various regulatory authorities. Information referenced in this Chapter has been sourced directly from the regulatory authorities and from the Landmark database (data summarised within relevant distances of the site centre). A copy of the Envirocheck Report is attached as Appendix A.
- 2.23 A summary of the significant environmental issues and controls in the Envirocheck report is summarised in the following table.

| Public Record                            | Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Enforcement and Prohibition Notices      | One Enforcement and Prohibition Notice is recorded 52m to the west of the site (permit reference: AM6579). The permit dated May 1995 relates to the emission of cement dust under the Environmental Protection Act (EPA) 1990. This appears to relate to the nearby Fleetmix operations.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Environmental Permits and Controls       | <p>There are eleven Integrated Pollution Controls (IPC) recorded within 250m of the site between 110m and 130m from the site boundary. These controls relate to cement / lime manufacture and associated processes within the mineral industry, on behalf of Blue Circle Industries plc.</p> <p>There are eight Integrated Pollution Prevention Controls (IPPC) within 225m of the site, all centered 53m west of the site associated within Lafarge Cement UK plc operations. Cement, cement clinker and lime production takes place at this facility. Further consents associated with Aei Cables Ltd are recorded within 425m of the site and relate to non-ferrous metal melting (lead and cadmium).</p> <p>Seven Local Authority Pollution Prevention and Controls (LAPPC) have been identified within 250m of the site. The closest is recorded 10m north-east of the site (permit reference: PP2/92/007) and relates to Deritend Electro-Mechanical Services. The permit dates back to 1994 and relates to PG1/10 waste-derived fuel combustion processes (less than 3MW). The permit is listed within the Envirocheck Report as having been refused or cancelled. 19m north-west of the site, a control is listed to Lafarge Cement terminal (permit reference: PP3/10/67) for PG3/1blending, packing, loading and use of bulk cement, dating back to 2010. The control remains permitted. Blue Circle Industries are also recorded 43m, 63m and 73m west of the site for PG3/1blending, packing, loading and use of bulk cement, dating back to 1994 to 2004 (permit reference: PP3/93/014A). All three of these controls are listed as having been revoked. 82m west, a control for Fleetmix for PG3/1blending, packing, loading and use of bulk cement is recorded, dating back to 1993 and remains authorised (permit reference: PP3/92/009. 204m east of the site, a control for PG3/5 coal, coke and coal product processes (permit reference: Port/8/05) is recorded by TBF Thompson (Properties) Ltd. The control dates back to 1992 and is listed as revoked.</p> |
| Pollution Incidents to Controlled Waters | <p>Three pollution incidents to controlled waters have been identified within 250m of the site. The closest is located 175m west of the site and took place in April 1996 and pertains to the release of unknown oils. This incident was recorded as a Category 2 (significant) incident. 206m to the east of the site in May 1996, an additional incident occurred, also relating to the release of unknown oils. It was assessed as a Category 3 (minor) incident. An additional incident occurred 220m east of the site in May 1999 and pertains to the release of unknown chemicals. It was assessed as a Category 3 (minor) incident.</p> <p>There are no substantiated pollution incidents registered within 800m.</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Hazardous Substances                     | There are no hazardous substances (e.g. Control of Major Accident Hazards (COMAH), Notification of Installations Handling Hazardous Substances (NIHHS) or Planning Hazardous Substance Consents) recorded within a 250m radius of the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |





| Public Record                        | Features                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| Landfill Sites                       | <p>One BGS historical landfill site has been identified within 1km of the site, located 668m south and relates to Northfleet Power Station.</p> <p>There is one registered landfill site, operated by TBF (Properties) Ltd within Imperial Business Estate recorded 396m south-east of the site (licence reference: P/02/10). The facility has a large input rate (equal to or greater than 75,000 and less than 250,000 tonnes per year). The facility permit is for inert waste and dates back to 1991, though the facility is listed as 'non yet started' within the Envirocheck Report. No further registered landfills are recorded within 650m.</p> <p>Six historical landfill sites have been identified within 1km of the site, the closest of which is recorded 426m to the south-east and was operated by Reed Paper and Board (licence reference: EAHLD19848). Landfilling is reported to have occurred between 1977 and 1988. The deposited wastes included inert and commercial waste, and liquid sludge and appears to relate to a small industrial facility. A further location, referred as the Asda site, is recorded 492m to the east (licence reference: EAHLD19291). The inputted waste was reportedly inert waste and no details on the period during which landfilling took place are recorded. Further facilities are recorded over 600m north of the site on the northern side of the River Thames at Tilbury Docks, operated by the Port of London Authority. Additional operations are recorded from 675m south at Northfleet Power Station and relate to electricity generating operations. Further inert waste operations are recorded from 750m from the site boundary.</p> |
| Waste Management Facilities          | No Licensed Waste Management Facilities have been identified within 500m of the site. There are no registered waste transfer, waste treatment or disposal sites identified within 500m of the subject site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Infilled Land                        | There are no areas of infilled land (non-water) reported within 250m of the site and no areas of potentially infilled land (water) within 400m.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Contemporary Trade Directory Entries | Seventeen contemporary trade directory entries have been listed within 250m from the site. The closest entries are recorded located 36m to the south-west of the site and relate to Janta Fashion (clothing and fabrics manufacture) and a Discount Tiles Supplies (ceramic manufacturers, supplies and services). Both entries are recorded as inactive within the Envirocheck Report. The Dent Company (car body repairs) is recorded 44m south-east of the site and is listed as active. Tarmac Ltd (sand, gravel and other aggregates and concrete and ready mixed mortar) lie 53m to the west of the site and are both listed as inactive. Fleetmix Ltd, located in this location 63m to the west of the site appears to be the current operator for concrete and ready mixed mortar and is listed as active in this location. Further active entries between 100m and 300m from the site boundary include Sprint Engineering & Lubricants Ltd (lubricant manufacturers and distributors) 128m east, Screwfix (builder's merchants) 191m south-east and Postage Discount Ltd (machinery – industrial and commercial) 228m east. Inactive entries between 100m and 300m from the site include a builder's merchants, asphalt and macadam suppliers, commercial cleaning services, crane hire, sales and service, chemical distributors and wholesalers, car body repairs, rubber and plastic products manufacture, firefighting equipment and control panel manufacture.                                                                                                                                                                                                                             |
| Petrol Filling Stations (PFS)        | No fuel station entries have been identified within 500m of the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |

### Review of Regulatory Information

- 2.24 A review of the planning records held by Gravesham Borough Council has revealed a series of planning applications for the site. A planning application for the site redevelopment (planning reference: 20170688) was issued in June 2017 for the demolition of the existing building and erection of a four-storey building with a basement to provide six one-bedroom self-contained





flats and one two-bedroom self-contained flat. The application was permitted in October 2019 and relates to the proposed scheme at the site.

- 2.25 Various associated planning applications (planning references: 20131070, 20160918 and 20050820) for variations to the above scheme comprising a four or five-storey building with a basement to provide between five and ten flats at the site are listed on the planning portal. These applications have since been withdrawn and no further details relating to the schemes are available. Two of these previous planning applications (planning references: 20131070 and 20160918) were recommended for approval. However, consent was not ultimately granted because it emerged that the proposed building projected into a flying freehold property. The extent of the flying freehold is ambiguous and so the decision has been taken to exclude the part of the site affected by it entirely from the latest proposals.
- 2.26 Various other applications for the site relating to a change of use to offices and changes to the existing flat roof to a pitched roof were also submitted and later withdrawn.
- 2.27 Historic planning applications for the site relate to the use of the premises as a café dating back to 1948 (planning references: 19480997, 19480998 and 19480999). This land use was approved, and the site was shown to be subsequently labelled as a canteen on 1953 historical mapping for the site. A planning application was submitted and approved in 1978 for the change of use of the canteen to an engineering drawing office (planning reference: 19780090).
- 2.28 The former Henley Cable Works (also known as Aei Compounds Ltd) to the west and south-west of the site is currently being redeveloped into housing. The site forms part of the wider Northfleet Works. An extensive series of multiple planning applications for the site are available of the Gravesham Borough Council planning portal. No ground investigation information associated with this redevelopment scheme was able to be obtained.
- 2.29 No consultation with the Environmental Health Officer (EHO) or Petroleum Officer at Gravesham Borough Council has been undertaken to date.

#### Site History

- 2.30 The site history has been assessed by reviewing historical Ordnance Survey maps provided by Landmark and aerial photographic imagery from Google Earth. Relevant maps are reproduced in Appendix B. The historical development of the site and the surrounding area are summarised in the following section. Where features are identified as having a potential impact on the proposed development, an indication of potential contaminants has been provided at the end of the Chapter.





- 2.31 It is noted that the mapping process adopted in generating the historical Ordnance Survey records (mapping intervals / frequency, scale, inclusion / exclusion of features etc.), may result in an incomplete account of a site's history. Changes in land use between mapping dates, or small yet potentially contaminative land uses, may not be identified from the records. The following account is therefore based solely on the information provided in the mapping records and the dates listed should be considered as approximate.

| On Site Land Use                                                                                                                                                                                                  | Date Feature Present | Date Feature Removed                                       |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|------------------------------------------------------------|
| The site formed part of the Rosherville Hotel and comprised the 'Rosherville Shades' public house and bar (at the front of the building). The pub on site reportedly <sup>4</sup> operated between 1855 and 1922. | Circa 1855           | Circa 1963 (demolished several years after trading ceased) |
| Canteen later used as a engineering drawing office                                                                                                                                                                | Circa 1953           | Pre-2020                                                   |

Approximate distances are interpreted from historical mapping and in metres.

- 2.32 Environmentally pertinent historical information from the immediate surrounding area (within 250m) has been summarised overleaf.

| Surrounding Land Use                                                                                                                               | Distance / Bearing                                                                                  | Date Feature Present | Date Feature Absent                                                         |
|----------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------|-----------------------------------------------------------------------------|
| Rosherville Hotel (later let as flats, named as Lansdowne Flats in the 1950s)                                                                      | Immediately south                                                                                   | 1835                 | Circa 1960                                                                  |
| Residential properties (houses and flats)                                                                                                          | Immediately adjacent                                                                                | Pre-1860             | N/A                                                                         |
| Pier Dining Rooms                                                                                                                                  | Immediately west                                                                                    | Circa 1953           | Circa 1967                                                                  |
| Rosherville Pier, Wharf and Quay                                                                                                                   | 25m north-east and from 75m north-west                                                              | Pre-1860             | Rosherville Pier labelled as disused by 1909. Wharf and quay remain in 2020 |
| Works, retail and industrial units and a car park                                                                                                  | 25m south-west                                                                                      | Circa 1989           | N/A                                                                         |
| Extensive Henley Cable Works with associated gasometers, jetty and tramway. Extension of the electric cable works developed by 1950s. <sup>5</sup> | Cable works from 30m south-west and west<br><br>Gasometers, jetty and tramways from 200m south-west | Circa 1909           | Pre-2020                                                                    |
| Cement and concrete Works (including aggregate operations)                                                                                         | 40m north-west and west                                                                             | Pre-1999             | N/A                                                                         |

<sup>4</sup> <http://www.dover-kent.com/2014-project-a/Rosherville-Hotel-Northfleet.html>

<sup>5</sup> <http://kenttodayandyesterday.blogspot.com/2009/11/w-t-henleys-aei-cable-works-northfleet.html>





| Surrounding Land Use                                                                                          | Distance / Bearing            | Date Feature Present | Date Feature Absent |
|---------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|---------------------|
| Allotment gardens                                                                                             | 75m south-west                | Circa 1939           | Pre-1953            |
| Old Sun public house                                                                                          | 85m west                      | Circa 1953           | Pre-2020            |
| Rosherville Gardens (gardens, parkland, archery and sporting facilities)                                      | 85m south-west                | 1837                 | Pre-1953            |
| Printing works with associated gasometer                                                                      | From 100m west                | Circa 1909           | Circa 1963          |
| Imperial Paper Mill and associated travelling cranes, tanks, jetty, tramway and mineral railway. <sup>6</sup> | From 120m west and south-east | 1911                 | Pre-1989            |
| Imperial Business Estate                                                                                      | 125m east and south-east      | Pre-1989             | N/A                 |

Approximate distances are interpreted from historical mapping and in metres.

- 2.33 The historical mapping records show that numerous works, trading estates and chalk pits are present between 250m and 1km to the north of the site. The most significant of these included chalk pits first mapped in 1898, typically infilled by 1923 located from 315m south-east, 480m south-west and 490m south-east. Two cement works were present from 455m west and 600m west, first mapped in 1940 then disused by 1932 and 1951. Two papermills from 270m east and 640m west first mapped in 1932 until pre 1991. A power station with what appears to be gasometers from 385m west was first mapped in 1980, the site was shown as vacant land by 1999.

#### Summary of Identified Potential Sources of Contamination

- 2.34 This section has assessed both the current and historical uses of the site and surrounding areas, as well as publicly available regulatory information. In accordance with *CLR11*, this assessment has allowed potential sources of contamination to be identified.
- 2.35 Some potential sources have been discounted at this stage of the assessment where sufficient evidence has been gathered to indicate that the particular source, for reasons relating to the viability of its presence / significance, need not be considered further. The potential viable sources of contamination considered relevant to this assessment are outlined in the following sections of this report. These sources have been carried forward into the conceptual model and risk assessment.

#### On-Site Sources - Current

<sup>6</sup> [https://www.kentrail.org.uk/imperial\\_paper\\_mills.htm](https://www.kentrail.org.uk/imperial_paper_mills.htm)





- 2.36 Some unknown containers were observed within the waste material on site during the walkover, though no small-scale hazardous material storage was observed. As such, the potential for localised small-scale spillages to have occurred cannot be ruled out entirely. The building footprint and hardstanding present will likely afford some protection to the underlying ground from any such small-scale releases.
- 2.37 Potential ACM may be present within the building on site, particularly roofing materials and internal fixtures and fixtures. The deterioration of ACM or the mixing with soils during the spreading of any waste ACM in demolition materials (include any such materials imported to site in the past), may have resulted in asbestos contamination of soils (ACS). Due to the age of the building, the potential for ACM to be present within both the building itself and the underlying soils cannot be discounted.
- 2.38 Potential contaminants include hydrocarbons (including fuels and oils), volatile and semi-volatile organic compounds (VOCs and SVOCs), asbestos, BTEX and MTBE.

*On-site Sources - Historical*

- 2.39 Historical mapping records show that the site has undergone periods of construction and subsequent demolition, dating back to before 1855. Any waste demolition materials may have been retained and spread on site. These waste materials, which may contain asbestos and other contaminants may be present in any Made Ground. Historical Made Ground and re-worked natural strata associated with possible land raising and remodelling behind the river wall, dating back to the early-1800s, may also exist on site.
- 2.40 Due to the age of the material and the nature of the likely contents of any such fill, the potential for this infilled land to be a significant source of contamination and ground gas generation is unlikely. There is the potential for organic or putrescible materials to be present within the nearby Alluvium, and any Made Ground on site to generate methane and carbon dioxide. No sources of vapours are anticipated.
- 2.41 Potential contaminants include heavy metals, inorganics, organics, Poly-cyclic Aromatic Hydrocarbons (PAHs), asbestos, methane and carbon dioxide ground gases and phenol.

*Off-site Sources – Current*

- 2.42 Nearby industrial and commercial activities in the vicinity of the site at the time of the site walkover included a goods yard associated with a flooring shop, clothing manufacturer and supermarket as well as a car park and construction office. Envirocheck Report records also indicate that a car body repairs business is operating some 44m from the site. Due to the





nature of these land uses, the proximity to the site and the high transmissivity of the underlying Principal Aquifer, these land uses may pose a risk to the proposed redevelopment scheme.

- 2.43 A large cement and concrete works (operated by Fleetmix Concrete, associated with Lafarge Cement) was active from around 40m to the north-west and west. Aggregates and heavy plant were observed during the walkover and have the potential to impact the site. It is likely that these works will increase in size as it supplies building materials to the new regeneration scheme in this area.
- 2.44 Current construction activities in close proximity to the site may also pose a limited risk to the site and proposed development.

#### *Off-site Sources – Historical*

- 2.45 An array of former potentially contaminative land uses have been recorded within a 250m radius of the site. The two key contaminative industrial operations that pose a potential risk to the site are the former Henley Cable Works to the west and south-west of the site and the former Imperial Paper Mills to the south-east. The former cable works has included a gasometer, tramways and a wharf, and was formerly operated in part as a printing works. Extensive manufacturing and research operations have taken place at this facility since it was established in the early-1900s. This entire area of former works forms part of a large regeneration scheme that will include around 550 new homes. On this basis, it is assumed that extensive ground investigation works, and remedial action will be undertaken to facilitate this new development scheme, which at the time of the site walkover was already underway. As such, while there are risks from the Made Ground associated with this former industrial area, it is assumed that appropriate measures will be implemented to ensure that impacts to off-site receptors will be limited.
- 2.46 Additional off-site historical land uses include the former Rosherville Hotel and former Pier Dining Rooms are potential source of Made Ground and associated contamination adjacent to the site. In the wider surround, historical land used have included chalk pits, cement works, papermills and a power station with gasometers.
- 2.47 Other potential off-site sources of historical contamination have been discounted due to the nature of these facilities, the distance from the site and / or the extent of redevelopment that has taken place in these areas.
- 2.48 Potential contaminants include heavy metals, inorganics, organics, hydrocarbons (including PAHs, fuels and oils), VOCs and SVOCs, BTEX / MTBE, asbestos and phenol.

#### *Off-site Sources – Potential Sources Identified from Regulatory Information*





- 2.49 A review of regulatory information has not identified any nearby pollution incidents (within 150m of the site boundary) which are likely to have adversely impacted the site.
- 2.50 No off-site petrol filling stations are present within close proximity to the site that would require further consideration.
- 2.51 No non-landfill waste disposal sites have been identified within 500m of the site which could impact the site.

*Off-site Sources – Landfill Sites*

- 2.52 There is one registered landfill site, operated by TBF (Properties) Ltd within Imperial Business Estate recorded 396m to the south-east of the site. The facility appears to relate to a waste transfer station for inert waste, with approvals dating back to 1991. Despite this, the facility is listed as 'non yet started' within the Envirocheck Report. Internet sources and mapping records for the area support this opinion that no landfilling is taking place in this location. On this basis, this facility is not considered to pose a risk to the site.
- 2.53 The closest historical landfill to the site is recorded 426m south-east and was operated by Reed Paper and Board (licence reference: EAHLD19848). Landfilling was reported to have occurred between 1977 and 1988 in this location with inert and commercial waste, and liquid sludge handled at this small industrial facility. A further location, referred as the Asda site, is recorded 492m to the east (licence reference: EAHLD19291). The inputted waste was reportedly inert waste and no details on the period during which landfilling took place are recorded. Due to the distance from the site (>425m) and the nature of redevelopment for commercial use in this area, this facility is not considered to pose a risk to the site.





### 3.0 SENSITIVITY & ANTHROPOLOGY

#### Introduction

- 3.1 This chapter provides information relating to on-site and off-site '**pathways**' and '**receptors**' and includes a review of the geology, hydrogeology, hydrology and ecological setting of the site. A general assessment and review of the site anthropology, such as identified human / built environment receptors, including current and future site occupiers, below ground structures, flora etc is also provided. A summary of identified receptors and site-specific pollutant linkages is given at the end of the chapter. Any pathways (contaminant migration, exposure pathways), which can be discounted in conceptual terms (i.e. considering the unviable nature of the pathway given the proposed development setting or local geology / hydrogeology etc), are discussed at the end of the chapter.

#### Geology

- 3.2 The 1:50,000 British Geological Survey (BGS) map (Sheet 271 for Dartford dated 1998)<sup>7</sup> and the BGS website (National Geoscience Information Service)<sup>8</sup> show the site to be directly underlain by the Lewes Nodular Chalk Formation, Seaford Chalk Formation and the Newhaven Chalk Formation (Undifferentiated). This sedimentary bedrock was formed approximately 72 to 94 million years ago during the Cretaceous period, in a local environment dominated by warm Chalk seas. The stratum comprises a soft to hard, fossil-rich white Chalk with numerous marl seams and flint bands and discrete Limestone. The Chalk bedrock at the site is anticipated to extend to depth beneath the site and surrounding area.
- 3.3 The Thanet Sand Formation, comprising glauconite-coated Sands with nodular flints, is shown to overlie the Chalk bedrock from approximately 50m to the south of the site.
- 3.4 No Superficial Deposits are shown beneath the site. Alluvium, comprising Clay, Silt, Sand and Gravel, is shown to underlie the River Thames, located approximately 20m north of the site.
- 3.5 No evidence of faults or other significant geological features are shown to be present within the vicinity of the site.
- 3.6 Historical mapping records show that the site and immediate surrounding have undergone various phases of construction and subsequent demolition. It is possible that any waste

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<sup>7</sup> BGS Solid and Drift Map Sheet 271 for Dartford (dated 1998)

<sup>8</sup> Information from BGS website: [www.bgs.ac.uk](http://www.bgs.ac.uk) consulted in month of report issue





demolition materials may have been retained and spread across the site, forming a layer of Made Ground across the site.

- 3.7 The site is separated from the River Thames by a high retaining wall several metres high, located directly to the north of The Shore and the associated roadway. It is likely that the land behind the river wall, including the site itself was raised or at least re-modelled to create the current ground level prior to the 1860s. The earliest historical maps for the site and surrounding area provided within the Envirocheck Report showed that these defences were already in-situ. It is likely that this took place in the early-1800s. Historically, the River Thames in the Northfleet area was thought to have been previously bounded by Chalk cliffs up to 30m in height. Prior to the development of the riverfront in the early to mid-1800s, it is thought that the excavation and removal of old Chalk workings and lime burning pits occurred, with subsequent retaining walls constructed along the entire southern bank of the River Thames as this area of northern Kent was developed. As such, it is likely that Made Ground and re-worked natural strata are present beneath the site and surrounding area.
- 3.8 Historical BGS borehole records relating to boreholes drilled within the general vicinity of the site and surrounding area have been reviewed and two boreholes with accessible records have been identified within a 250m radius of the site. Two boreholes are shown on mapping to have been drilled along The Shore to the north of the site, though the content of these records is restricted and consequently has not been reviewed as part of this report.
- 3.9 The closest historical boreholes were recorded approximately 180m west (borehole reference: TQ67SW66) and 200m east of the site (TQ67SW65). The borehole to the east of the site was advanced in May 1964 at the former Imperial Cement Company (now disused) in Northfleet in 1900 to install a well. Chalk and flint were encountered to the base of the borehole to a depth of 68m below ground level (bgl). The well was reportedly disused by 1940 and was infilled in 1972. The borehole to the west of the site was advanced to a depth of 45.7m bgl in 1900 near Crete Hall in Northfleet to install a well. The borehole encountered 3.65m of Made Ground underlain by the Chalk bedrock. Similarly, this borehole was disused and was infilled in 1960. A copy of the borehole logs are included in Appendix C.

#### Ground Hazards

- 3.10 BGS data has also been reviewed to determine potential ground stability hazards which may affect the site. The table below summarises the ground stability hazards anticipated on the subject site based upon the expected ground model.





| Details                                                           | On-Site Hazard Potential |
|-------------------------------------------------------------------|--------------------------|
| Coal Mining Affected Area                                         | None                     |
| Non-Coal Mining Affected Area                                     | Rare                     |
| Potential for Collapsible Ground Stability Hazards                | Very Low                 |
| Potential for Compressible Ground Stability Hazards               | No Hazard                |
| Potential for Ground Dissolution Stability Hazards                | Very Low                 |
| Potential for Landslide Ground Stability Hazards                  | No Hazard                |
| Potential for Running Sand Ground Stability Hazards               | No Hazard                |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | No Hazard                |

- 3.11 The BGS also holds data on non-coal mining areas, natural cavities and radon, and the Coal Authority holds data on coal mining affected areas for the UK. Data collated by Landmark on these matters (sites / features within 1km of the subject site) are presented below.

| Category                   | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| BGS Recorded Mineral Sites | Fourteen BGS Recorded Mineral Sites have been identified within 1km of the site. The closest of which is recorded 215m east at Imperial Wharf, which was formerly used for the shipping of raw materials (hard rock). The wharf is currently recorded as dormant within the Envirocheck Report. Northfleet Chalk Pit is listed 339m south-east of the site and all operations in this location are noted to have ceased. Chalk was formerly extracted in this location from an opencast working. The twelve remaining mineral sites are recorded over 500m from the site boundary and relate to wharves used for the shipping of marine Sand and Gravel and opencast Chalk workings. |
| Man-Made Mining Cavities   | Six man-made mining cavities have been identified within 1km from the subject site. The closest entry is recorded 346m to the south-east of the site and relates to a historical lime works (potential Chalk mining). The five remaining man-made mining cavities are recorded over 525m from the site boundary and relate to historical lime kilns and extensive Chalk excavations (potential Chalk mining).                                                                                                                                                                                                                                                                        |
| Natural Cavities           | No natural cavities have been identified within 1km of the subject site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Radon Potential            | The site is in a lower probability radon area (less than 1% of homes are estimated to be at or above the action level). As such, no radon protective measures are necessary in the construction of new dwellings or extensions.                                                                                                                                                                                                                                                                                                                                                                                                                                                      |

## Hydrogeology





- 3.12 The Groundwater Vulnerability Map of England and the DEFRA website<sup>9</sup> have been reviewed to determine the aquifer designations.
- 3.13 The bedrock at the site, the Lewes Nodular Chalk Formation, Seaford Chalk Formation and the Newhaven Chalk Formation (Undifferentiated) is classified as a Principal Aquifer. Principal Aquifers usually provide a high level of water storage and contains layers or rock or drift that have high intergranular and / or fracture permeability. They may support water supply and / or river base flow on a strategic scale. In most cases, Principal Aquifers are aquifers previously designated as Major Aquifers by the Environment Agency. The bedrock within the Envirocheck Report as having a very significant soluble rock risk, with moderate possibility of this occurring. The bedrock is recorded to have an intermediate pollutant speed and to contain well-connected fractures, resulting in a highly vulnerable stratum.
- 3.14 The Environment Agency has defined Source Protection Zones (SPZs) for groundwater sources used for public drinking water supply.<sup>10</sup> A Zone III (Total Catchment) SPZ is located approximately 54m to the south of the site, with a Zone II (Outer Catchment) SPZ recorded from approximately 79m south of the site. A Zone 1 (Inner Catchment) SPZ lies approximately 800m to the west of the site.
- 3.15 No groundwater discharge consents are recorded within 500m of the site.
- 3.16 No groundwater abstractions are recorded within 700m of the site boundary. The closest groundwater abstraction to the site is listed within the Envirocheck Report 720m to the west of the site. The abstraction licence was operated by Kimberly-Clark Limited (Borehole 4 at Crete Hall Road in Northfleet.) and pertains to the abstraction of groundwater for paper and printing (process water) under licence number 9/40/01/0092/B/Gr. The abstraction licence dates back to 1996 and is not recorded as having been revoked with no permit end date supplied. On this basis, it is assumed that the abstraction remains active. Six further groundwater abstraction licences are recorded between 800m and 1km from the site boundary and relate to the above operations by Kimberly-Clark Limited.
- 3.17 There are no groundwater discharge consents recorded within 1km of the site.

<sup>9</sup> Information from DEFRA Website: [www.magic.defra.gov.uk](http://www.magic.defra.gov.uk) consulted in month of report issue

<sup>10</sup> These zones show the risk of contamination from any activities that might cause pollution in the area. The maps show three main zones (inner, outer and total catchment) and a fourth zone of special interest.





### Hydrology

- 3.18 The nearest surface water feature is located approximately 20m to the north of the site and relates to the River Thames, which is a tidal and flows locally in an east to west direction. A flow direction to the east has been inferred from mapping data. The River Thames is recorded from 22m to the north-east of the site within the Envirocheck Report. No river quality information is available for the River Thames within the Envirocheck Report. Considering the underlying geology, ground conditions and the local topography, this surface water feature is likely to be in hydraulic connectivity with the site.
- 3.19 No additional surface water features are present within 500m of the subject site and no surface water abstractions are recorded within 1km of the site.
- 3.20 There are seven surface water discharge consents recorded within a 300m radius of the site. The closest consent is recorded 32m to the north-west of the site and was reportedly revoked in 2008. The consent was issued in 1980 for the release of cooling water (trade discharges) into the River Thames by The General Electric Company plc. A further consent is listed 109m to the east of the site at Reed Paper and Board UK for the making of paper and paper products. The consent was issued in 1976 and revoked in 1988 and related to the discharge of cooling water (trade discharges) into the River Thames. 136m north-east of the site, from real estate operations and residential properties reportedly discharged surface water and cooling water (trade discharges) into the River Thames, dating back to 1987 and 1991. 175m to the west of the site, Aei Compounds Ltd reportedly discharged cooling water (trade discharges) in the River Thames between 1979 and 2000. Aei Compounds Ltd reportedly make electrical equipment, batteries and domestic appliances. 182m west of the site Fleetway Printers are recorded to have also discharged cooling water (trade discharges) in the River Thames between 1981 and 1988. All of the abovementioned consents have now been revoked. Further discharge consents for the discharge of sewage and trade discharges, including site drainage, trade effluents and cooling water were, or continue to be, reportedly discharged to the River Thames between 300m and 1km from the site boundary.

### Flood Risk

- 3.21 According to the Envirocheck Report, the site lies in an area with a limited potential for groundwater flooding to occur.
- 3.22 The site is not recorded to lie within a flood risk area and lies within Flood Zone 1. The site lies approximately 27m to the east of Flood Zone 2 and 3 with this area deemed to be at risk of extreme flooding from rivers and seas without defences (Flood Zone 2) and flooding from rivers and seas without defences (Flood Zone 3). Various areas within these Flood Zones from





27m east and 57m north-west of the site are recorded to benefit from flood defences. Flood defences are recorded along the entire southern bank of the River Thames, directly north, north-east and north-west of the site.

#### Environmental Statutory Designations

- 3.23 A review of the environmental sensitive receptors' database indicates that the site is not located within an ecologically sensitive area. There are no Special Protection Areas (SPA), Sites of Special Scientific Interest (SSSI), Ramsar Sites, Local Nature Reserves or Environmentally Sensitive Areas within 1km of the site.
- 3.24 No Nitrate Vulnerable Zones have been identified within 1km of the site.

#### Environmental Sensitivity

- 3.25 The sensitivity of each of the identified receptors is rated depending upon the environmental setting of the site, the likelihood for pollutant linkages to be present and potential consequence of those potential pollutant linkages. The assessment approach adopted is based on guidance set out in the *NHBC R&D 66*<sup>11</sup> document.
- 3.26 Groundwater within the Chalk bedrock is considered to have a High (H2) sensitivity, which is described in the guidance as being a "major or minor vulnerable aquifer with probable use nearby (either direct abstraction or baseflow to sensitive watercourses and springs). Likely to be within Outer or Source Catchment Groundwater Source Protection Zones (Zones 2 or 3). Most contaminant releases to the ground environment of concern." This sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SPZ), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage.
- 3.27 Surface water is also considered to have a Very High (H1) sensitivity, which is described in the guidance as being a "high quality watercourse (GQA A or B) within close proximity (less than 250m) of site or with potential for rapid transmission of pollutants to that watercourse via a fissured aquifer. Or interconnected unclassified drain or stream." While the River Thames is not a high-quality watercourse, this sensitivity classification has been assigned given the

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<sup>11</sup> Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008





proximity of the river to the site and the potential for baseflow in shallow groundwater, in hydraulic continuity with the Chalk Principal Aquifer.

- 3.28 The site is considered to have a low ecological sensitivity. This is due to the proximity of the River Thames to the site boundary and the absence of any statutory designated ecological receptors either on-site or within proximity to the site.
- 3.29 The sensitivity classifications noted above have been taken into consideration in the development of the conceptual model presented at the rear of this report.

### Anthropology

- 3.30 Proposed anthropological receptors at the site are considered to include future residents, site visitors and neighbours. In the short term, groundworkers and construction personnel including future maintenance workers will also be considered.

### Summary of Identified Receptors and Site-Specific Pollutant Linkages

- 3.31 A review of the environmental sensitivity and proposed anthropological use of the site has identified the following **receptors**, as detailed below.

#### *Identified receptors:*

- Future residents, site visitors and neighbours
- Ground, construction and future maintenance workers
- Groundwater within the underlying Principal Chalk Aquifer
- Surface water (River Thames)
- Flora fauna
- Adjacent land uses
- Below ground structures and foundations
- Potable water pipes.

#### *Viable pathways and pollution linkages:*

- 3.32 A number of **viable migration and exposure pathways** and potential pollutant linkages have been identified, whereby a receptor may be exposed to a source. The viable pollutant linkages have then been used to develop a conceptual model. The following is a summary of **viable**, site specific pathways and pollutant linkages to be considered further:





- Inhalation of toxic vapours, potentially migrating into above ground structures from organic contaminants within the Made Ground, contaminated groundwater or localised spills / leaks. Potential for vapours to migrate through hardstanding and open ground.
- Hazardous ground gases, potentially generated by the Made Ground or any nearby organic-rich natural soils, may migrate into above ground structures and accumulate within building voids and enclosed spaces (resultant risk of asphyxiation and / or explosion).
- Shallow soil contamination has the potential to vertically migrate downwards into the underlying natural soils and perched or shallow groundwater by leaching and infiltration. The proposed hardstanding and building footprint site coverage will reduce infiltration potential and leaching rates, which results in a lower mobility of any shallow contamination.
- Vertical mixing of groundwater (assumed to be in hydraulic continuity) between the groundwater bodies.
- Lateral migration of site-borne contaminants to off-site areas (down hydraulic gradient), via surface water runoff and baseflow. Lateral migration of potentially contaminated shallow groundwater from off-site areas (up hydraulic gradient), impacting on-site groundwater.
- Flora and fauna living within, or adjacent to the River Thames.
- Below ground concrete structures and foundations are susceptible to chemical attack from aggressive ground conditions (pH and water-soluble sulphate).
- Potable water pipes are susceptible to chemical attack from shallow soil contamination.

*Non-viable pathways and pollution linkages*

3.33 The following site-specific pathways and pollutant linkages are not considered to be viable, and therefore discounted from the conceptual model and risk assessment:

- Development proposals do not include for the provision of either private or communal soft landscaping and therefore following pollutant linkages have been discounted: inhalation of contaminated dust, dermal contact and direct ingestion of contaminated soils and indirect ingestion of contaminated soils sorbed to home-grown produce.





## 4.0 CONCLUSIONS & RECOMMENDATIONS

### Geoenvironmental Considerations

- 4.1 A conceptual model and qualitative risk assessment have been included at the end of this report. The risk ratings assigned in the risk table, and summarised in this Chapter, are based on information obtained through desk-based research, a site walkover and on our experience in assessing risks from similar sites. The proposed end use of the site, anticipated ground conditions, environmental receptors and viable exposure pathways have been considered.
- 4.2 In summary, this Phase 1 Desk Study has determined that there is a potential for contamination to be present on site in a circumstance which could lead to risks to identified receptors, particularly future residential site users.
- 4.3 Identified sources of potential contamination on site include the Made Ground (associated with former construction and demolition works including the construction of hardstanding and building), current waste materials and potential ACM within the building. It is considered as a worst-case scenario that these activities / materials may have resulted in the presence of contaminants including heavy metals, inorganics, organics, hydrocarbons (including PAHs, fuels and oils), VOCs and SVOCs), asbestos, BTEX and MTBE, methane and carbon dioxide ground gases and phenol.
- 4.4 A number of potential contemporary off-site sources of contamination have been identified within the surrounding area which include nearby industrial and commercial activities in the vicinity of the site such as a goods yard associated with a flooring shop, clothing manufacturer and supermarket as well as a car park, construction office and nearby car body repairs business. A cement and concrete works and nearby construction activities may also pose a limited risk to the site.
- 4.5 Historical operations include the former hotel and dining rooms adjacent to the site. The two key contaminative industrial operations are the former Henley Cable Works to the west and south-west of the site and the former Imperial Paper Mills to the south-east.
- 4.6 As illustrated in the risk assessment table, some of the risks attributable to viable pollutant linkages were considered to be low and very low. **The risk ratings identified in this assessment are not considered prohibitive for the development and can be effectively managed in accordance with CLR11.** The risks which require further consideration in this regard are detailed below:





- A **low risk** has been identified to future residents, site visitors and neighbours from the Made Ground (and any associated impacts from current or historic activities including any waste materials on site). A lower risk with regards to ground and construction workers is assumed due to occupational exposure and can be further reduced through the use of appropriate PPE and other precautionary measures. The underlying geological strata is very permeable and will likely allow the vertical and lateral transmission of any contaminants on site. The proposed end-use will comprise entirely hard cover which will limit direct contact between proposed end users and contamination present, however an enclosed building is proposed, which may allow the internal accumulation of any generated ground gases. The construction of a basement on site, which is anticipated to remove the Made Ground on site in its entirety will remove the principal source of contamination on site.
  - A **low to moderate** risk has been identified to the River Thames and shallow and deep groundwater on site from the Made Ground during the construction phase, however with appropriate protective procedures and good site practises such as protecting run-off, this risk is considered to be **Acceptably Low**.
  - A **low risk** has been identified with regards to buried services and structures (including foundations) from Made Ground on site. Aggressive ground conditions (sulphate and pH) may occur due to the presence of contamination within any Made Ground on site.
  - A **low risk** has been identified with regards to future residents, the underlying natural strata and controlled waters associated with the potential off-site historical and contemporary sources of contamination identified in the surrounding area due to the presence of hard cover across the entire site, minimising infiltration and the mobilisation of contamination.
- 4.7 The qualitative nature of the risk assessment is not absolute. Furthermore, although low risks may have been assigned to various pollutant linkages, the risk cannot be eliminated (i.e. "no risk") at this stage of the assessment and residual risks will remain which should not be discounted on the basis that the risk is low.
- 4.8 Based on the above risk ratings, further investigation is required to refine the risk assessment and validate the conceptual site model. A Phase 2 Site Investigation is therefore recommended which would aim to determine the presence of Made Ground at the site and the contaminative status of the site soils. Ground gas monitoring may be required if a significant thickness of Made Ground is encountered on site. Geotechnical investigation will be required to inform foundation design and can be combined with any environmental investigation works.





- 4.9 Although potential sources of contamination exist at the site, the entirety of the Made Ground is expected to be removed from the site, resulting in site betterment and no areas of soft landscaping with the potential for the consumption of home-grown produce from the site will be provided on site.
- 4.10 A suitable asbestos survey should be undertaken prior to the start of any site demolition works, if not already completed. If encountered, asbestos and asbestos containing materials, should be dealt with in accordance with CAR 2012.

#### Comments on Waste Classification

- 4.11 Separate to the human health and wider environmental risks from potential contamination, the presence of some contaminants can also impact the waste spoil disposal costs. Depending on the chemical composition of the Made Ground and any contaminants present and their distribution, soils may require different levels classification for waste disposal purposes. For example, the presence of asbestos within the Made Ground or any historical demolition waste can significantly change the classification of waste soils which could incur greater disposal costs. The Client should consider the impacts that this may have the overall waste disposal strategy for the site.
- 4.12 There will be a need for the disposal of soils as part of the development. It is recommended that the Client consider the need for undertaking a waste spoil assessment as part of the proposed basement excavation at the site. This may include an assessment of the hazardous nature of the soil by virtue of any contamination (in accordance with the Waste Framework Directive and the Environment Agency's *Technical Guidance WM3 Hazardous Waste*<sup>12</sup>), and Waste Acceptance Criteria (WAC) testing.

#### Statutory Designation

- 4.13 The *National Planning Policy Framework (NPPF)* states that "land should be suitable for its new use and as a minimum, after carrying out remediation (if required), the land should **not** be capable of being determined as contaminated land under Part 2A of the Environmental Protection Act 1990". It is our opinion that, based on the findings of this Phase 1 Desk Study, it is unlikely the site would be designated as statutory contaminated land by the Local Authority under the provision of the published Statutory Guidance. It is advisable however, that any

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<sup>12</sup> Technical guidance WM3: Guidance on the Classification and Assessment of Waste (1<sup>st</sup> Edition 2015). Environment Agency.





recommendations made in this report are implemented in line with current guidance and good practice, especially where verification of the risk assessment is necessary.

Gravesham Borough Council



**CONCEPTUAL  
MODEL & RISK  
ASSESSMENT**

Shawline House - Northfleet



ON SITE SOURCE: Shallow Soils Impacted by Current and Historical Site Use

JUSTIFICATION NOTES: A full list of summary notes which provide detail and context to the risk ratings assigned in the table below is given at the end of the table. If specific notes are particularly significant to a certain pollutant linkage, these are referenced in the final column of the table.

| CONCEPTUAL SITE MODEL                                                                                                 |                                                                    |                                                                                                                |                                                                          | RISK ASSESSMENT          |                        |                |
|-----------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------|--------------------------|------------------------|----------------|
| SOURCE - Potential contamination from current site use. No potentially contaminative historical land uses identified. | POTENTIAL CONTAMINANTS - asbestos, metals, inorganics, PAH and TPH | PATHWAY                                                                                                        | RECEPTOR                                                                 | LIKELIHOOD OF OCCURRENCE | CONSEQUENCE (SEVERITY) | POTENTIAL RISK |
|                                                                                                                       |                                                                    | Inhalation of vapours from soils and groundwater                                                               | Residents and site visitors                                              | Low Likelihood           | Mild                   | Low            |
|                                                                                                                       |                                                                    | Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils | Ground / construction workers                                            | Low Likelihood           | Minor                  | Very Low       |
|                                                                                                                       |                                                                    | Vertical migration downwards via leaching and/or saturation of contaminated soils                              | Groundwater within the Lewes Nodular Chalk Formation (Principal aquifer) | Unlikely                 | Medium                 | Low            |
|                                                                                                                       |                                                                    | Lateral migration of contaminants to down hydraulic gradient surface water (baseflow)                          | Surface water                                                            | Unlikely                 | Medium                 | Low            |
|                                                                                                                       |                                                                    | Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff                   | Adjacent land                                                            | Unlikely                 | Minor                  | Very Low       |
|                                                                                                                       |                                                                    | Chemical attack from aggressive ground conditions (pH and water soluble sulphate) and shallow contamination    | Buried services and below ground structures and foundations              | Low Likelihood           | Mild                   | Low            |
|                                                                                                                       |                                                                    | Migration and accumulation of gases within building voids and enclosed spaces                                  | Building and site occupants                                              | Unlikely                 | Severe                 | Acceptably Low |
| MINING                                                                                                                |                                                                    | Potential risk identified based on the presence of nearby BGS mineral sites.                                   |                                                                          |                          |                        | YES            |

## JUSTIFICATION NOTES

| NOTE ID | NOTES                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1       | Identified sources of potential contamination on site include the Made Ground (associated with former construction and demolition works including the construction of hardstanding and building), current waste materials and potential ACM within the building                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 2       | Historical activities / materials may have resulted in the presence of contaminants including heavy metals, inorganics, organics, hydrocarbons (including PAHs, fuels and oils), VOCs and SVOCs), asbestos, BTEX and MTBE, methane and carbon dioxide ground gases and phenol.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 3       | The underlying geological strata is very permeable and will likely allow the vertical and lateral transmission of any contaminants on site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 4       | Based on the site use, potentially contaminative waste streams are not considered likely. The following waste types were observed on site: domestic and fly-tipped. Wastes generated on site are likely removed by a licensed waste carrier. From the observations made on site, housekeeping appears to be generally poor.                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| 5       | The proposed end-use will comprise entirely hard cover which will limit direct contact between proposed end users and contamination present, however an enclosed building is proposed, which may allow the internal accumulation of any generated ground gases.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 6       | The construction of a basement on site, which is anticipated to remove the Made Ground on site in its entirety will remove the principal source of contamination on site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 7       | Development proposals do not include for the provision of either private or communal soft landscaping and therefore following pollutant linkages have been discounted: inhalation of contaminated dust, dermal contact and direct ingestion of contaminated soils and indirect ingestion of contaminated soils sorbed to home-grown produce.                                                                                                                                                                                                                                                                                                                                                                                                                            |
| 8       | Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| 9       | Potable water pipes likely laid in Made Ground                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| 10      | It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 7 apartments with undercroft parking (no ground floor dwellings) and site wide hardstanding.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 11      | The nearest surface water feature is located 25m north-east and relates to a primary / secondary river. Mapping records show the river labelled as River Thames (tidal) with a general east / west orientation. A flow direction to the east has been inferred from mapping data. Considering the underlying geology/ ground conditions and the local topography, this surface water feature is likely to be in hydraulic connectivity with the site.                                                                                                                                                                                                                                                                                                                   |
| 12      | Groundwater within the Lewes Nodular Chalk Formation is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "recognised major or minor aquifer, moderately vulnerable, with probable use (either direct or via baseflow to a sensitive watercourse). Within formal protection zone or catchment of authorised abstractions for potable or other high quality uses. Minor, short-term releases of contaminants may be tolerable." This sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SP2), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage. |
| 13      | Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 14      | Given the anticipated presence of shallow groundwater, shallow contamination may readily enter groundwater and migrate off-site.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |

## ENVIRONMENTAL RISK ASSESSMENT

### Introduction

This section assesses the significance of the environmental issues that have been identified on the site or in the surrounding area. This is achieved by developing an initial conceptual model for the site and undertaking a qualitative risk assessment.

The objective of the conceptual model is to identify potential contaminant “source(s)”, “pathways” and target “receptors” relating to the site and surrounding area. The information obtained is described in detail in the Land Use Chapter and the Sensitivity & Anthropology Chapters. This information is then collated and a qualitative risk assessment<sup>13,14</sup> undertaken to assess the source-pathway-receptor linkages. The potential for a pollution event to occur is evaluated using a risk classification tool<sup>15</sup>. The level of risk is assigned by considering the likelihood that a pollution event might occur with the consequence of its occurrence. The consequence is essentially a measurement of the severity of a hazard (or source) and sensitivity of the receptor (e.g. aquifer type or end user).

The Table presented overleaf details the various components of the site conceptual model and evaluates the risks associated with each viable potential pollution linkage. Where additional explanation is required, Justification Notes have been given at the end of the Table. The risks associated with each potential pollution linkage are also discussed within the report conclusions.

### Methodology

The qualitative risk assessment firstly considers the source of contamination and potential contaminants associated with the source(s) (or hazards). As well as the type of source, the extent, concentration and availability of a contaminant is also assessed.

The effect of a hazard on an identified receptor is largely governed by the sensitivity of a receptor. Receptors may typically include people, buildings, animals, plants and local resources (such as groundwater, surface waters, mines etc). A change in the receptor should be considered if the end-use of the site changes, for example, if a commercial site is to be redeveloped into a residential housing estate as a residential occupier is considered more sensitive than a commercial occupier. The presence of contamination (as a potential hazard) does not necessarily mean that there is a risk. It is the exposure pathway and the quantity of contamination that reaches the receptor which may determine the effect on a receptor (such as the integrity of a barrier between a contamination source and receptor).

The risk classifications for both likelihood and consequence is based on methodology presented in Contaminated Land Risk Assessment, A Guide to Good Practice (CIRIA C552, 2001) and has been developed from procedures outlined in the EA's CLR11 Model Procedures. The Department for the Environment Transport and the Regions (DETR), with the EA and Institute of Environment & Health, has also published

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<sup>13</sup> Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

<sup>14</sup> Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

<sup>15</sup> Department of the Environment, Transport and the Regions, Environment Agency and Institute of Environmental Health. Guidelines for Environmental Risk Assessment and Management. HMSO July 2000.

guidance on risk assessment (Guidelines for Environmental Risk Assessment and Management). The guidance states that the designation of risk is based upon a consideration of both:

- The magnitude of the potential consequence (severity) of risk occurring which takes into account both the potential severity of the hazard and the sensitivity of the receptor; and
- The likelihood of an event occurring (probability) which takes into account the both the presence of the hazard and receptor and the integrity of the pathway.

The magnitude of consequence (severity) and likelihood (probability) is defined in the CIRIA guidance, together with examples. The two classifications are then compared (as shown on Table 1) to obtain an estimation of risk for each pollution linkage, ranging from “very high risk” to “very low risk”. A description of the risks and likely actions required is presented in Table 2. The benefit of estimating the risk in this way is that it can be revised after each investigation phase as the conceptual model and corresponding pollution linkages are refined.

**Table 1: Comparison of Consequence VS. Probability**

|            |                 | Consequence       |                   |                   |                   |
|------------|-----------------|-------------------|-------------------|-------------------|-------------------|
|            |                 | Severe            | Medium            | Mild              | Minor             |
| Likelihood | High likelihood | Very high risk    | High risk         | Moderate risk     | Moderate/low risk |
|            | 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 2: Description of the Classified Risks and Likely Action Required**

| Level of Risk  | Description of Classification                                                                                                                                                                                                                                                                                                                                                                                                                              |
|----------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Very High Risk | 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.<br>If this risk is realised, it is likely to result in significant environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation (if not already undertaken) and remediation is likely to be required. |
| High Risk      | Harm is likely to arise to a designated receptor from an identified hazard.<br>If risk is realised, it is likely to present a sizeable environmental and financial liability to current and/ or future site owners/ occupiers. Urgent investigation is required and remediation work may be necessary in the short term and likely over the longer term.                                                                                                   |

|               |                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|---------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Moderate Risk | <p>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 the harm would be relatively mild.</p> <p>Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.</p> |
| Low Risk      | <p>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.</p> <p>Limited investigation may be recommended to clarify the risk, dependant on the sensitivity of the receptor and viewpoint of those of interest. Any remedial works are likely to be fairly limited.</p>                                                     |
| Very Low Risk | <p>There is a low possibility that harm could arise to a receptor. In the event of such harm being realised it is likely to be mild or minor.</p>                                                                                                                                                                                                                                                                                            |

The acceptability of risk will always depend upon the view point of those of interest, whether it is an occupier of a site, a regulator or stakeholder. As a result, it could be that action will be required to deal with a level of risk even if it is classified as very low.

**APPENDIX A:  
ENVIROCHECK  
REPORT**

# Envirocheck<sup>®</sup> Report:

## Datasheet

### Order Details:

**Order Number:**

259005690\_1\_1

**Customer Reference:**

3748

**National Grid Reference:**

563680, 174460

**Slice:**

A

**Site Area (Ha):**

0.02

**Search Buffer (m):**

1000

### Site Details:

Shoreline House

Northfleet

Gravesend

DA11 9NE

### Client Details:

Mr M Dean

Lustre Consulting Ltd

Second Floor North,

The Fitted Rigging House,

The Historic Dockyard

Chatham

Kent

ME4 4TZ

| Report Section        | Page Number |
|-----------------------|-------------|
| Summary               | -           |
| Agency & Hydrological | 1           |
| Waste                 | 39          |
| Hazardous Substances  | 44          |
| Geological            | 45          |
| Industrial Land Use   | 53          |
| Sensitive Land Use    | -           |
| Data Currency         | 72          |
| Data Suppliers        | 79          |
| Useful Contacts       | 80          |

## Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination.

For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client.

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

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Gravesham Borough Council

| Data Type                                                     | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Agency &amp; Hydrological</b>                              |             |         |           |             |                             |
| BGS Groundwater Flooding Susceptibility                       | pg 1        | Yes     | Yes       | Yes         | n/a                         |
| Contaminated Land Register Entries and Notices                |             |         |           |             |                             |
| Discharge Consents                                            | pg 1        |         | 7         | 7           | 16                          |
| Prosecutions Relating to Controlled Waters                    |             |         | n/a       | n/a         | n/a                         |
| Enforcement and Prohibition Notices                           | pg 8        |         | 1         |             |                             |
| Integrated Pollution Controls                                 | pg 8        |         | 12        | 1           |                             |
| Integrated Pollution Prevention And Control                   | pg 10       |         | 9         | 4           | 12                          |
| Local Authority Integrated Pollution Prevention And Control   |             |         |           |             |                             |
| Local Authority Pollution Prevention and Controls             | pg 16       |         | 7         | 12          | 3                           |
| Local Authority Pollution Prevention and Control Enforcements |             |         |           |             |                             |
| Nearest Surface Water Feature                                 | pg 19       |         | Yes       |             |                             |
| Pollution Incidents to Controlled Waters                      | pg 19       |         | 3         |             | 7                           |
| Prosecutions Relating to Authorised Processes                 |             |         |           |             |                             |
| Registered Radioactive Substances                             |             |         |           |             |                             |
| River Quality                                                 |             |         |           |             |                             |
| River Quality Biology Sampling Points                         |             |         |           |             |                             |
| River Quality Chemistry Sampling Points                       |             |         |           |             |                             |
| Substantiated Pollution Incident Register                     | pg 21       |         |           |             | 1                           |
| Water Abstractions                                            | pg 21       |         |           |             | 7 (*52)                     |
| Water Industry Act Referrals                                  | pg 36       |         |           | 1           |                             |
| Groundwater Vulnerability Map                                 | pg 36       | Yes     | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Soluble Rock Risk                 | pg 36       | 1       | n/a       | n/a         | n/a                         |
| Groundwater Vulnerability - Local Information                 |             | 1       | n/a       | n/a         | n/a                         |
| Bedrock Aquifer Designations                                  | pg 36       | Yes     | n/a       | n/a         | n/a                         |
| Superficial Aquifer Designations                              |             |         | n/a       | n/a         | n/a                         |
| Source Protection Zones                                       | pg 36       |         | 2         |             | 2                           |
| Extreme Flooding from Rivers or Sea without Defences          | pg 37       |         | Yes       | n/a         | n/a                         |
| Flooding from Rivers or Sea without Defences                  | pg 37       |         | Yes       | n/a         | n/a                         |
| Areas Benefiting from Flood Defences                          | pg 37       |         | Yes       | n/a         | n/a                         |
| Flood Water Storage Areas                                     |             |         |           | n/a         | n/a                         |
| Flood Defences                                                | pg 37       |         | Yes       | n/a         | n/a                         |
| OS Water Network Lines                                        | pg 37       |         |           | 1           | 5                           |

| Data Type                                                           | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|---------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Waste</b>                                                        |             |         |           |             |                             |
| BGS Recorded Landfill Sites                                         | pg 39       |         |           |             | 1                           |
| Historical Landfill Sites                                           | pg 39       |         |           | 2           | 4                           |
| Integrated Pollution Control Registered Waste Sites                 |             |         |           |             |                             |
| Licensed Waste Management Facilities (Landfill Boundaries)          |             |         |           |             |                             |
| Licensed Waste Management Facilities (Locations)                    | pg 40       |         |           |             | 4                           |
| Local Authority Landfill Coverage                                   |             | 2       | n/a       | n/a         | n/a                         |
| Local Authority Recorded Landfill Sites                             | pg 41       |         |           |             | 1                           |
| Potentially Infilled Land (Non-Water)                               | pg 41       |         |           | 2           | 3                           |
| Potentially Infilled Land (Water)                                   | pg 41       |         |           | 1           | 3                           |
| Registered Landfill Sites                                           | pg 42       |         |           | 1           | 2                           |
| Registered Waste Transfer Sites                                     |             |         |           |             |                             |
| Registered Waste Treatment or Disposal Sites                        | pg 43       |         |           |             | 2                           |
| <b>Hazardous Substances</b>                                         |             |         |           |             |                             |
| Control of Major Accident Hazards Sites (COMAH)                     |             |         |           |             |                             |
| Explosive Sites                                                     | pg 44       |         |           |             | 1                           |
| Notification of Installations Handling Hazardous Substances (NIHHS) |             |         |           |             |                             |
| Planning Hazardous Substance Consents                               |             |         |           |             |                             |
| Planning Hazardous Substance Enforcements                           |             |         |           |             |                             |

| Data Type                                                         | Page Number | On Site | 0 to 250m | 251 to 500m | 501 to 1000m (*up to 2000m) |
|-------------------------------------------------------------------|-------------|---------|-----------|-------------|-----------------------------|
| <b>Geological</b>                                                 |             |         |           |             |                             |
| BGS 1:625,000 Solid Geology                                       | pg 45       | Yes     | n/a       | n/a         | n/a                         |
| BGS Estimated Soil Chemistry                                      | pg 45       | Yes     |           |             | Yes                         |
| BGS Recorded Mineral Sites                                        | pg 46       |         | 1         | 1           | 12                          |
| BGS Urban Soil Chemistry                                          | pg 48       |         |           |             | Yes                         |
| BGS Urban Soil Chemistry Averages                                 | pg 49       |         |           | Yes         |                             |
| CBSCB Compensation District                                       |             |         | n/a       | n/a         | n/a                         |
| Coal Mining Affected Areas                                        |             |         | n/a       | n/a         | n/a                         |
| Mining Instability                                                |             |         | n/a       | n/a         | n/a                         |
| Man-Made Mining Cavities                                          | pg 49       |         |           | 1           | 5                           |
| Natural Cavities                                                  |             |         |           |             |                             |
| Non Coal Mining Areas of Great Britain                            | pg 50       | Yes     |           | n/a         | n/a                         |
| Potential for Collapsible Ground Stability Hazards                | pg 50       | Yes     |           | n/a         | n/a                         |
| Potential for Compressible Ground Stability Hazards               | pg 50       |         | Yes       | n/a         | n/a                         |
| Potential for Ground Dissolution Stability Hazards                | pg 50       | Yes     | Yes       | n/a         | n/a                         |
| Potential for Landslide Ground Stability Hazards                  | pg 51       |         | Yes       | n/a         | n/a                         |
| Potential for Running Sand Ground Stability Hazards               | pg 51       |         | Yes       | n/a         | n/a                         |
| Potential for Shrinking or Swelling Clay Ground Stability Hazards | pg 52       |         | 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                         |
| <b>Industrial Land Use</b>                                        |             |         |           |             |                             |
| Contemporary Trade Directory Entries                              | pg 53       |         | 17        | 41          | 64                          |
| Fuel Station Entries                                              | pg 63       |         |           | 2           |                             |
| Points of Interest - Commercial Services                          | pg 63       |         | 3         | 11          | 14                          |
| Points of Interest - Education and Health                         | pg 65       |         |           |             | 7                           |
| Points of Interest - Manufacturing and Production                 | pg 66       |         | 11        | 15          | 18                          |
| Points of Interest - Public Infrastructure                        | pg 70       |         | 1         | 6           | 8                           |
| Points of Interest - Recreational and Environmental               | pg 71       |         |           | 1           | 3                           |
| Gas Pipelines                                                     |             |         |           |             |                             |
| Underground Electrical Cables                                     |             |         |           |             |                             |

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

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A13NW (N)                              | 0                            | 1       | 563684 174464 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A13NE (E)                              | 4                            | 1       | 563700 174464 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A13NW (W)                              | 21                           | 1       | 563650 174464 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A13SW (SW)                             | 360                          | 1       | 563350 174300 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Limited Potential for Groundwater Flooding to Occur                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | A12SE (SW)                             | 428                          | 1       | 563300 174250 |
|        | <b>BGS Groundwater Flooding Susceptibility</b><br>Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A18SW (N)                              | 487                          | 1       | 563600 174950 |
| 1      | <b>Discharge Consents</b><br>Operator: The General Electric Company Plc.<br>Property Type: Undefined Or Other<br>Location: Crete Hall Road, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CTMR.0120<br>Permit Version: 1<br>Effective Date: 28th January 1980<br>Issued Date: 28th January 1980<br>Revocation Date: 29th July 2008<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames Tidal<br><b>Status:</b> <b>Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m    | A13NW (NW)                             | 32                           | 2       | 563650 174490 |
| 2      | <b>Discharge Consents</b><br>Operator: Reed Paper And Board ( Uk ) Ltd. Reed House, 82 Pi<br>Property Type: MAKING OF PAPER+PAPER PRODUCTS<br>Location: Gravesend, Imperial Paper Mills<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0325<br>Permit Version: 1<br>Effective Date: 9th November 1976<br>Issued Date: 9th November 1976<br>Revocation Date: 7th April 1988<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Tidal Thames<br><b>Status:</b> <b>Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 100m                                                  | A13NE (E)                              | 109                          | 2       | 563800 174500 |
| 2      | <b>Discharge Consents</b><br>Operator: Gravesham Hmu<br>Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING<br>Location: Imperial Business Estate, Gravesend Kent<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: T01900<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: Not Supplied<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Freshwater Stream/River<br>Environment:<br>Receiving Water: Freshwater River<br><b>Status:</b> <b>Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m | A13NE (NE)                             | 136                          | 2       | 563810 174540 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 2      | <b>Discharge Consents</b><br>Operator: T B F Thompson ( Properties ) Ltd<br>Property Type: REAL ESTATE ACTIVITIES/BUYING/SELLING/RENTING<br>Location: Imperial Business Estate, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctwc.1596<br>Permit Version: 1<br>Effective Date: 5th May 1987<br>Issued Date: 5th May 1987<br>Revocation Date: 24th June 1991<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: River Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                                   | A13NE (NE)                             | 136                          | 2       | 563810 174540 |
| 3      | <b>Discharge Consents</b><br>Operator: Aei Compounds Ltd<br>Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES)<br>Location: Lower Discharge Aei Cables Limited Crete Hall Road Gravesend Kent Da11 9af<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Casm.0316<br>Permit Version: 1<br>Effective Date: 4th December 2000<br>Issued Date: 23rd January 2001<br>Revocation Date: 15th January 2008<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: The Tidal River Thames<br><b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m | A13NW (W)                              | 175                          | 2       | 563500 174500 |
| 3      | <b>Discharge Consents</b><br>Operator: Aei Cables Limited<br>Property Type: MAKING OF ELECTRICAL EQUIP/BATTERIES/DOMESTIC APP<br>Location: Premises, Lower Discharge, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CTMR.0119<br>Permit Version: 1<br>Effective Date: 29th October 1979<br>Issued Date: 29th October 1979<br>Revocation Date: 4th December 2000<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames<br><b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Manually corrected supplier location                                               | A13NW (W)                              | 175                          | 2       | 563500 174500 |
| 4      | <b>Discharge Consents</b><br>Operator: Fleetway Printers<br>Property Type: Undefined Or Other<br>Location: Crete Hall Road, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0082<br>Permit Version: 1<br>Effective Date: 25th March 1981<br>Issued Date: 25th March 1981<br>Revocation Date: 14th January 1988<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually corrected supplier location                                                                                                                                                                        | A13SW (W)                              | 182                          | 2       | 563500 174400 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 5      | <b>Discharge Consents</b><br>Operator: Reed Paper And Board ( Uk ) Ltd. Reed House, 82 Pi<br>Property Type: MAKING OF PAPER+PAPER PRODUCTS<br>Location: Gravesend, Imperial Paper Mills<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0184<br>Permit Version: 1<br>Effective Date: 1st September 1979<br>Issued Date: 1st September 1979<br>Revocation Date: 7th April 1988<br>Discharge Type: Unknown<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Tidal Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually corrected supplier location                                                                                                                                                  | A13SE (E)                              | 311                          | 2       | 564000<br>174400 |
| 6      | <b>Discharge Consents</b><br>Operator: Stema Shipping (Uk) Limited<br>Property Type: MAKING OF GLASS/CERAMICS/CEMENT/CUTTING STONE<br>Location: Aggregates Wharf Crete Hall Road Northfleet Gravesend Kent Da11 9aa<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Casm.0712<br>Permit Version: 1<br>Effective Date: 6th November 2002<br>Issued Date: 24th December 2002<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Effluent Discharge-Site Drainage<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: The Tidal River Thames<br><b>Status: New Consent (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 10m | A13NW (W)                              | 323                          | 2       | 563360<br>174550 |
| 7      | <b>Discharge Consents</b><br>Operator: Aei Compounds Ltd<br>Property Type: MAKING OF ELECTRICAL EQUIP/BATTERIES/DOMESTIC APP<br>Location: Upper Discharge, Aei Cables Ltd, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Casm.0315<br>Permit Version: 1<br>Effective Date: 4th December 2000<br>Issued Date: 23rd January 2001<br>Revocation Date: 10th December 2014<br>Discharge Type: Sewage And Trade Combined - Unspecified<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: The Tidal River Thames<br><b>Status: Surrendered under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                                                                                 | A12NE (W)                              | 333                          | 2       | 563340<br>174500 |
| 7      | <b>Discharge Consents</b><br>Operator: Aei Cables Limited<br>Property Type: MAKING OF ELECTRICAL EQUIP/BATTERIES/DOMESTIC APP<br>Location: Upper Discharge, Aei Cables Ltd, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CNTM.0127<br>Permit Version: 1<br>Effective Date: 10th March 1992<br>Issued Date: 10th March 1992<br>Revocation Date: 4th December 2000<br>Discharge Type: Trade Effluent<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: River Thames<br><b>Status: Revoked (Water Resources Act 1991, Section 88 &amp; Schedule 10 as amended by Environment Act 1995)</b><br>Positional Accuracy: Located by supplier to within 100m                                                                 | A12NE (W)                              | 333                          | 2       | 563340<br>174500 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 7      | <b>Discharge Consents</b><br>Operator: Aei Cables Ltd<br>Property Type: MAKING OF ELECTRICAL EQUIP/BATTERIES/DOMESTIC APP<br>Location: Upper Discharge, Aei Cables Ltd, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0118<br>Permit Version: 1<br>Effective Date: 29th October 1979<br>Issued Date: 29th October 1979<br>Revocation Date: 9th March 1992<br>Discharge Type: Unknown<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually corrected supplier location     | A12NE (W)                              | 373                          | 2       | 563300 174500 |
| 8      | <b>Discharge Consents</b><br>Operator: Cegb<br>Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY<br>Location: Northfleet Power Station, Northfleet, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0113<br>Permit Version: 1<br>Effective Date: 2nd May 1978<br>Issued Date: 2nd May 1978<br>Revocation Date: 15th January 1992<br>Discharge Type: Trade Discharges - Cooling Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually corrected supplier location | A12NE (W)                              | 473                          | 2       | 563200 174500 |
| 8      | <b>Discharge Consents</b><br>Operator: Cegb<br>Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY<br>Location: Northfleet Power Station, Northfleet, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0114<br>Permit Version: 1<br>Effective Date: 2nd May 1978<br>Issued Date: 2nd May 1978<br>Revocation Date: 15th January 1992<br>Discharge Type: Unknown<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually corrected supplier location                          | A12NE (W)                              | 473                          | 2       | 563200 174500 |
| 9      | <b>Discharge Consents</b><br>Operator: Cegb<br>Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY<br>Location: Main C W Discharge, Northfleet Power Station, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Ctmr.0112<br>Permit Version: 1<br>Effective Date: 2nd May 1978<br>Issued Date: 2nd May 1978<br>Revocation Date: 15th January 1992<br>Discharge Type: Trade Effluent<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually corrected supplier location           | A12NE (W)                              | 572                          | 2       | 563100 174500 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited. +<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 0bs<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: D00076<br>Permit Version: 2<br>Effective Date: 1st September 2017<br>Issued Date: 1st September 2017<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames Estuary<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                              | A14SE (E)                              | 824                          | 2       | 564520 174450 |
| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited. +<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 0bs<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: D00076<br>Permit Version: 2<br>Effective Date: 1st September 2017<br>Issued Date: 1st September 2017<br>Revocation Date: Not Supplied<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames Estuary<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                           | A14SE (E)                              | 824                          | 2       | 564520 174450 |
| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (K)<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 0bs<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: D00076<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: 31st August 2017<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Saline Estuary<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m | A14SE (E)                              | 824                          | 2       | 564520 174450 |
| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited. +<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Pier Storm Overflow, High Street, Gravesend Kent<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: D00077<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Saline Estuary<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m                      | A14SE (E)                              | 824                          | 2       | 564520 174460 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (K)<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Pier, Gravesend Cso Town Pier, Highstreet, Gravesend, Kent, Da11 0bs<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: D00076<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: 31st August 2017<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Saline Estuary<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m | A14SE (E)                              | 824                          | 2       | 564520 174450 |
| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited. +<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Pier Storm Overflow, High Street, Gravesend Kent<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: D00077<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: Not Supplied<br>Discharge Type: Discharge Of Other Matter-Surface Water<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Saline Estuary<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m                      | A14SE (E)                              | 824                          | 2       | 564520 174460 |
| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd.<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: High Street Cso - Town Pier High Street, Town Pier, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CSSB.0115<br>Permit Version: 1<br>Effective Date: 14th October 1987<br>Issued Date: 14th October 1987<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: River Thames(Tidal)<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 10m     | A14SE (E)                              | 824                          | 2       | 564520 174450 |
| 10     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd.<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: High Street Cso - Town Pier High Street, Town Pier, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CSSB.0116<br>Permit Version: 1<br>Effective Date: 14th October 1987<br>Issued Date: 14th October 1987<br>Revocation Date: 1st January 1992<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: River Thames(Tidal)<br><b>Status:</b> Authorisation revoked<br>Positional Accuracy: Located by supplier to within 100m                                                   | A14SE (E)                              | 829                          | 2       | 564525 174455 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited. +<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Crawley Court Gravesend Cso West Street, Gravesend, -, Kent, Da11 0be<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: D00074<br>Permit Version: 2<br>Effective Date: 1st September 2017<br>Issued Date: 1st September 2017<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames Estuary<br><b>Status: Varied under EPR 2010</b><br>Positional Accuracy: Located by supplier to within 10m                                      | A14NE (E)                              | 874                          | 2       | 564570 174480 |
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd.<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Wharf Cso Gravesend, Town Wharf, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Supplied<br>Reference: Csb.0113<br>Permit Version: 2<br>Effective Date: 1st September 2017<br>Issued Date: 1st September 2017<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: River Thames(Tidal)<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 10m | A14NE (E)                              | 874                          | 2       | 564570 174480 |
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd (K)<br>Property Type: Sewerage Network - Sewers - Water Company<br>Location: Town Wharf Overflow, Gravesend Kent<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Given<br>Reference: D00074<br>Permit Version: 1<br>Effective Date: 1st April 1991<br>Issued Date: 1st April 1991<br>Revocation Date: Not Supplied<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Saline Estuary<br><b>Status: Post National Rivers Authority Legislation where issue date &gt; 31/08/1989</b><br>Positional Accuracy: Located by supplier to within 100m                                        | A14NE (E)                              | 874                          | 2       | 564570 174480 |
| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Limited. +<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Crawley Court Gravesend Cso West Street, Gravesend, -, Kent, Da11 0be<br>Authority: Environment Agency, Southern Region<br>Catchment Area: Not Supplied<br>Reference: D00074<br>Permit Version: 1<br>Effective Date: 14th October 1987<br>Issued Date: 14th October 1987<br>Revocation Date: 31st August 2017<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment:<br>Receiving Water: Thames Estuary<br><b>Status: Transferred from COPA 1974</b><br>Positional Accuracy: Located by supplier to within 10m                               | A14NE (E)                              | 874                          | 2       | 564570 174480 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 11     | <b>Discharge Consents</b><br>Operator: Southern Water Services Ltd.<br>Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY)<br>Location: Town Wharf Cso Gravesend, Town Wharf, Gravesend, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CSSB.0113<br>Permit Version: 1<br>Effective Date: 14th October 1987<br>Issued Date: 14th October 1987<br>Revocation Date: 31st August 2017<br>Discharge Type: Public Sewage: Storm Sewage Overflow<br>Discharge: Saline Estuary<br>Environment: River Thames(Tidal)<br>Receiving Water: River Thames(Tidal)<br><b>Status:</b> Post National Rivers Authority Legislation where issue date > 31/08/1989<br>Positional Accuracy: Located by supplier to within 100m | A14NE (E)                              | 874                          | 2       | 564570 174475 |
| 12     | <b>Discharge Consents</b><br>Operator: Scott Ltd<br>Property Type: Not Given<br>Location: Northfleet Mill, Crete Hall Road, NORTHFLEET, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: CHME.0185<br>Permit Version: Not Supplied<br>Effective Date: Not Supplied<br>Issued Date: 20th June 1996<br>Revocation Date: Not Supplied<br>Discharge Type: Trade Effluent<br>Discharge: Freshwater Stream/River<br>Environment: Tidal River Thames<br>Receiving Water: Tidal River Thames<br><b>Status:</b> Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                            | A12NW (W)                              | 994                          | 2       | 562705 174695 |
| 12     | <b>Discharge Consents</b><br>Operator: Scott Ltd<br>Property Type: MAKING OF PAPER+PAPER PRODUCTS<br>Location: Northfleet Mill, Crete Hall Road, Northfleet, Kent<br>Authority: Environment Agency, Thames Region<br>Catchment Area: Not Given<br>Reference: Cntm.0004<br>Permit Version: 1<br>Effective Date: 20th January 1992<br>Issued Date: 20th January 1992<br>Revocation Date: 8th July 1996<br>Discharge Type: Unknown<br>Discharge: Saline Estuary<br>Environment: River Thames<br>Receiving Water: River Thames<br><b>Status:</b> Authorisation revoked<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                            | A12NW (W)                              | 1000                         | 2       | 562700 174700 |
| 13     | <b>Enforcement and Prohibition Notices</b><br>Location: The Shore, NORTHFLEET, Kent, DA11 9AN<br>Permit Reference: AM6579<br>Enforcement Date: 2nd May 1995<br>Details: Press Release HM203 Bulletin 37, Emissions of cement dust; under EPA90.<br>Positional Accuracy: Manually positioned to the address or location                                                                                                                                                                                                                                                                                                                                                                                                                                                   | A13SW (W)                              | 52                           | 2       | 563622 174445 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BH8829<br>Dated: 10th March 2000<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Revoked - Now IPPC<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                | A13SW (SW)                             | 110                          | 2       | 563628 174362 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BE5556<br>Dated: 24th November 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                         | A13SW (SW)                             | 113                          | 2       | 563633 174357 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BH4726<br>Dated: 6th December 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                      | A13SW (SW)                             | 114                          | 2       | 563628 174357 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BE8954<br>Dated: 14th April 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                        | A13SW (SW)                             | 116                          | 2       | 563623 174357 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Blue Circle House, Northfleet Works, The Shore, Northfleet, Gravesend, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AJ6513<br>Dated: 20th September 1993<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address | A13SW (SW)                             | 116                          | 2       | 563623 174357 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AH9499<br>Dated: 18th June 1993<br>Process Type: IPC application for process that was regulated by HMIP for air releases under previous legislation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address    | A13SW (SW)                             | 116                          | 2       | 563623 174357 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BB6459<br>Dated: 27th July 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                         | A13SW (SW)                             | 118                          | 2       | 563633 174352 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BG6472<br>Dated: 5th August 1999<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                        | A13SW (SW)                             | 119                          | 2       | 563628 174352 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AM6579<br>Dated: 16th March 1994<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                                                | A13SW (SW)                             | 119                          | 2       | 563618 174357 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: BA0153<br>Dated: 19th January 1998<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                            | A13SW (SW)                             | 122                          | 2       | 563633 174347 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AW6839<br>Dated: 12th September 1996<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                          | A13SW (SW)                             | 124                          | 2       | 563628 174347 |
| 14     | <b>Integrated Pollution Controls</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Works, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AW3597<br>Dated: 23rd August 1996<br>Process Type: IPC minor (non-substantial) variation to previous variation<br>Description: 3.1 A (A) Cement/Lime manufacture and associated processes within the Mineral Industry<br><b>Status:</b> Authorisation superseded by a substantial or non substantial variation<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                             | A13SW (SW)                             | 126                          | 2       | 563623 174347 |
| 15     | <b>Integrated Pollution Controls</b><br>Name: Aei Cables<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9AF<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AT1997<br>Dated: 23rd August 1995<br>Process Type: Application since found to be exempt from IPC<br>Description: 2.2 A (D) Non-ferrous Metal processes within the Metal Industry<br><b>Status:</b> Application since found to be exempt from IPC<br>Positional Accuracy: Automatically positioned to the address                                                                                                                                                                                                                                                                                                                                   | A13SW (SW)                             | 261                          | 2       | 563438 174345 |
| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Northfleet Works, Blue Circle Industries Plc, Northfleet Works, The Shore., Northfleet, Gravesend, Kent, DA11 9AN<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: GP3433HF<br>Original Permit Ref: Bm0176is<br>Effective Date: 12th October 2010<br><b>Status:</b> Surrender Effective<br>Application Type: Surrender<br>App. Sub Type: Whole<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 B (A)<br>Activity Description: Cement And Lime; Loading Etc Cement And Clinker, Bulk In And Out<br>Primary Activity: N<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y | A13SW (W)                              | 53                           | 2       | 563622 174445 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Northfleet Works, Blue Circle Industries Plc, Northfleet Works, The Shore,,Northfleet, Gravesend, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: GP3433HF<br>Original Permit Ref: Bm0176is<br>Effective Date: 12th October 2010<br><b>Status: Surrender Effective</b><br>Application Type: Surrender<br>App. Sub Type: Whole<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y<br>Activity Code: 3.1 B (A)<br>Activity Description: Cement And Lime; Loading Etc Cement And Clinker, Bulk In And Out<br>Primary Activity: N                                  | A13SW (W)                              | 53                           | 2       | 563622 174445 |
| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Northfleet Works, Blue Circle Industries Plc, Northfleet Works, The Shore,,Northfleet, Gravesend, Kent, DA11 9AN<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: QP3931UV<br>Original Permit Ref: Bm0176is<br>Effective Date: 1st April 2008<br><b>Status: Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 B (A)<br>Activity Description: Cement And Lime; Loading Etc Cement And Clinker, Bulk In And Out<br>Primary Activity: N<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y | A13SW (W)                              | 53                           | 2       | 563622 174445 |
| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Blue Circle House, The Shore, Northfleet, Gravesend, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: QP3931UV<br>Original Permit Ref: Bm0176is<br>Effective Date: 1st April 2008<br><b>Status: Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 B (A)<br>Activity Description: Cement And Lime; Loading Etc Cement And Clinker, Bulk In And Out<br>Primary Activity: N<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y                                                                           | A13SW (W)                              | 53                           | 2       | 563622 174445 |
| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Northfleet Cement Works, Northfleet Works, The Shore,Northfleet,, Kent, DA11 9AN<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: JP3731UU<br>Original Permit Ref: Bm0176is<br>Effective Date: 17th December 2007<br><b>Status: Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y                                                                                                                                                                          | A13SW (W)                              | 53                           | 2       | 563622 174445 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Northfleet Works, The Shore, Northfleet, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: JP3731UU<br>Original Permit Ref: Bm0176is<br>Effective Date: 17th December 2007<br><b>Status: Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Manually positioned to the address or location<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y                                                                                                                                                                                                                                      | A13SW (W)                              | 53                           | 2       | 563621 174445 |
| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Northfleet Cement Works, Lafarge Cement Uk, The Shore,,Northfleet, Gravesend, Kent, DA11 9AN<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: BM0176IS<br>Original Permit Ref: Bm0176is<br>Effective Date: 26th March 2004<br><b>Status: Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y                                                                                                                                                                                 | A13SW (W)                              | 53                           | 2       | 563622 174445 |
| 16     | <b>Integrated Pollution Prevention And Control</b><br>Name: Lafarge Cement Uk Plc<br>Location: Blue Circle House, The Shore, Northfleet, GRAVESEND, Kent, DA11 9AN<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bm0176is<br>Original Permit Ref: Bm0176is<br>Effective Date: 26th March 2004<br><b>Status: Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 3.1 A(1) (A)<br>Activity Description: Cement And Lime; Producing Etc Cement Clinker<br>Primary Activity: Y                                                                                                                                                                                                                                       | A13SW (W)                              | 53                           | 2       | 563622 174445 |
| 17     | <b>Integrated Pollution Prevention And Control</b><br>Name: Aei Cables Ltd<br>Location: Crete Hall Rd, Gravesend, Aei Cables Ltd, Crete Hall Road,,, GRAVESEND, Kent, DA11 9AF<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: EP3431SV<br>Original Permit Ref: Bm7570iu<br>Effective Date: 1st September 2006<br><b>Status: Surrender Effective</b><br>Application Type: Surrender<br>App. Sub Type: Whole<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 2.2 A(1) (B) (I)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Than 4T/D Lead/Cadmium Or 20T/D Others<br>Primary Activity: Y<br>Activity Code: 2.2 A(1) (B) (II)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Or Equal To 5T<br>Primary Activity: N | A13SW (SW)                             | 227                          | 2       | 563480 174340 |
| 17     | <b>Integrated Pollution Prevention And Control</b><br>Name: Aei Cables Ltd<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9AF<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Ep3431sv<br>Original Permit Ref: Bm7570iu<br>Effective Date: 1st September 2006<br><b>Status: Surrender Effective</b><br>Application Type: Surrender<br>App. Sub Type: Whole<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 2.2 A(1) (B) (II)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Or Equal To 5T<br>Primary Activity: N<br>Activity Code: 2.2 A(1) (B) (I)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Than 4T/D Lead/Cadmium Or 20T/D Others<br>Primary Activity: Y                                                                    | A13SW (SW)                             | 261                          | 2       | 563438 174345 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 17     | <b>Integrated Pollution Prevention And Control</b><br>Name: Aei Cables Ltd<br>Location: Crete Hall Rd, Gravesend, Gate 2, Crete Hall Road, Gravesend, Kent, DA11 9AF<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bm7570iu<br>Original Permit Ref: Bm7570iu<br>Effective Date: 27th January 2003<br><b>Status: Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 2.2 A(1) (B) (I)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Than 4T/D Lead/Cadmium Or 20T/D Others<br>Primary Activity: Y<br>Activity Code: 2.2 A(1) (B) (II)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Or Equal To 5T<br>Primary Activity: N                          | A13SW (SW)                             | 261                          | 2       | 563438 174345 |
| 17     | <b>Integrated Pollution Prevention And Control</b><br>Name: Aei Cables Ltd<br>Location: Crete Hall Rd, Gravesend, Gate 2, Crete Hall Road,,, GRAVESEND, Kent, DA11 9AF<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: BM7570IU<br>Original Permit Ref: Bm7570iu<br>Effective Date: 27th January 2003<br><b>Status: Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 2.2 A(1) (B) (I)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Than 4T/D Lead/Cadmium Or 20T/D Others<br>Primary Activity: Y<br>Activity Code: 2.2 A(1) (B) (II)<br>Activity Description: Non-Ferrous Metals; Melting With Capacity Greater Or Equal To 5T<br>Primary Activity: N | A13SW (SW)                             | 271                          | 2       | 563430 174340 |
| 18     | <b>Integrated Pollution Prevention And Control</b><br>Name: Blue Circle Industries Plc<br>Location: Northfleet Landfill, Northfleet Landfill Site, Thames Way West, Northfleet, GRAVESEND, Kent, DA11 8HF<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Sp3935sp<br>Original Permit Ref: Sp3935sp<br>Effective Date: Not Supplied<br><b>Status: Valid</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Manually positioned to the road within the address or location<br>Activity Code: 5.2 A(1) (A)<br>Activity Description: Waste Landfilling; Greater Than 10 T/D With Capacity Greater Than 25,000T Excluding Inert Waste<br>Primary Activity: Y                                                                                                                                       | A14SW (SE)                             | 442                          | 2       | 564091 174266 |
| 19     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Mill, Crete Hall Road, Northfleet, Gravesend, Kent, DA11 9AD<br>Authority: Environment Agency, Southern Region<br>Permit Reference: Bj7379iz<br>Original Permit Ref: Bj7379iz<br>Effective Date: 25th April 2002<br><b>Status: Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y                                                                                                                                                                                                           | A12SW (W)                              | 682                          | 2       | 562993 174390 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 19     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Mill Epr/Bj7379iz, Northfleet Mill, Crete Hall Road,,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: LP3608PF<br>Original Permit Ref: Bj7379iz<br>Effective Date: Not Supplied<br><b>Status:</b> <b>Valid</b><br>Application Type: Variation<br>App. Sub Type: Substantial<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 5.4 A(1) a) (i)<br>Activity Description: DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING BIOLOGICAL TREATMENT<br>Primary Activity: N<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y<br>Activity Code: 1.1 A(1) (A)<br>Activity Description: Combustion; Any Fuel Greater Or Equal To 50Mw<br>Primary Activity: N | A12SW (W)                              | 685                          | 2       | 562990 174390 |
| 20     | <b>Integrated Pollution Prevention And Control</b><br>Name: Suez Recycling And Recovery Uk Ltd<br>Location: Tilbury Dock Alternative Fuel Facility, Sheds 32 And 33, Port Of Tilbury,, Tilbury, RM18 7NS<br>Authority: Environment Agency, Anglian Region<br>Permit Reference: YP3135QC<br>Original Permit Ref: Zp3434eu<br>Effective Date: 22nd November 2018<br><b>Status:</b> <b>Surrender Effective</b><br>Application Type: Surrender<br>App. Sub Type: Whole<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 5.4 A(1) b) (ii)<br>Activity Description: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PRE-TREATMENT OF WASTE FOR INCINERATION OR CO-INCINERATION<br>Primary Activity: Y                                                                                                                                                                                                       | A17NE (NW)                             | 871                          | 2       | 563310 175260 |
| 20     | <b>Integrated Pollution Prevention And Control</b><br>Name: Sita Uk Limited<br>Location: Tilbury Dock Alternative Fuel Facility, Sheds 32 And 33, Port Of Tilbury,, Tilbury, RM18 7NS<br>Authority: Environment Agency, Anglian Region<br>Permit Reference: TP3136WE<br>Original Permit Ref: Zp3434eu<br>Effective Date: 30th January 2015<br><b>Status:</b> <b>Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 5.4 A(1) b) (ii)<br>Activity Description: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PRE-TREATMENT OF WASTE FOR INCINERATION OR CO-INCINERATION<br>Primary Activity: Y                                                                                                                                                                                                                    | A17NE (NW)                             | 871                          | 2       | 563310 175260 |
| 20     | <b>Integrated Pollution Prevention And Control</b><br>Name: Sita Uk Limited<br>Location: Tilbury Dock Alternative Fuel Facility, Sheds 32 And 33, Port Of Tilbury,, Tilbury, RM18 7NS<br>Authority: Environment Agency, Anglian Region<br>Permit Reference: ZP3434EU<br>Original Permit Ref: Zp3434eu<br>Effective Date: 29th September 2014<br><b>Status:</b> <b>Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 5.4 A(1) b) (ii)<br>Activity Description: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PRE-TREATMENT OF WASTE FOR INCINERATION OR CO-INCINERATION<br>Primary Activity: Y                                                                                                                                                                                                                     | A17NE (NW)                             | 871                          | 2       | 563310 175260 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 20     | <b>Integrated Pollution Prevention And Control</b><br>Name: Suez Recycling And Recovery Uk Ltd<br>Location: Tilbury Dock Alternative Fuel Facility, Sheds 32 And 33, Port Of Tilbury,, Tilbury, RM18 7NS<br>Authority: Environment Agency, Anglian Region<br>Permit Reference: KP3436RG<br>Original Permit Ref: Zp3434eu<br>Effective Date: Not Supplied<br><b>Status:</b> <b>Valid</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Located by supplier to within 10m<br>Activity Code: 5.4 A(1) b) (ii)<br>Activity Description: RECOVERY OR A MIX OF RECOVERY AND DISPOSAL OF > 50 T/D NON-HAZARDOUS WASTE (> 100 T/D IF ONLY AD) INVOLVING PRE-TREATMENT OF WASTE FOR INCINERATION OR CO-INCINERATION<br>Primary Activity: Y | A17NE (NW)                             | 871                          | 2       | 563310 175260 |
| 21     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Mill, Northfleet Mill, Crete Hall Road,,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: BP3734ZK<br>Original Permit Ref: Bj7379iz<br>Effective Date: 12th September 2013<br><b>Status:</b> <b>Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Substantial<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y                                                                      | A12SW (W)                              | 970                          | 2       | 562711 174327 |
| 21     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Tissue Mill, Northfleet Mill, Crete Hall Road,Northfleet,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: ZP3437FC<br>Original Permit Ref: Bj7379iz<br>Effective Date: 8th May 2012<br><b>Status:</b> <b>Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y                                                               | A12SW (W)                              | 970                          | 2       | 562711 174327 |
| 21     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Tissue Mill, Northfleet Mill, Crete Hall Road,Northfleet,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: AP3430FY<br>Original Permit Ref: Bj7379iz<br>Effective Date: 15th February 2012<br><b>Status:</b> <b>Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Minor<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y                                                            | A12SW (W)                              | 970                          | 2       | 562711 174327 |
| 21     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Tissue Mill, Northfleet Mill, Crete Hall Road,Northfleet,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: QP3431UX<br>Original Permit Ref: Bj7379iz<br>Effective Date: 8th January 2010<br><b>Status:</b> <b>Superseded By Variation</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y                                                           | A12SW (W)                              | 970                          | 2       | 562711 174327 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 21     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Tissue Mill, Northfleet Mill, Crete Hall Road, Northfleet,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency, Southern Region<br>Permit Reference: QP3431UX<br>Original Permit Ref: Bj7379iz<br>Effective Date: 8th January 2010<br><b>Status: Effective</b><br>Application Type: Variation<br>App. Sub Type: Standard<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y                                        | A12SW (W)                              | 970                          | 2       | 562711 174327 |
| 21     | <b>Integrated Pollution Prevention And Control</b><br>Name: Kimberly-Clark Limited<br>Location: Northfleet Tissue Mill, Northfleet Mill, Crete Hall Road, Northfleet,, GRAVESEND, Kent, DA11 9AD<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Permit Reference: BJ7379IZ<br>Original Permit Ref: Bj7379iz<br>Effective Date: 25th April 2002<br><b>Status: Superseded By Variation</b><br>Application Type: Application<br>App. Sub Type: New<br>Positional Accuracy: Automatically positioned to the address<br>Activity Code: 6.1 A(1) (B)<br>Activity Description: Paper, Pulp And Board; Producing Paper/Board Greater Than 20T/D<br>Primary Activity: Y | A12SW (W)                              | 970                          | 2       | 562711 174327 |
| 22     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Deritend Electro-Mechanical Services<br>Location: The Shore, Northfleet, GRAVESEND, Kent, DA11 9AL<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp2/92/007<br>Dated: 25th October 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/10 Waste derived fuel combustion processes less than 3MW<br><b>Status: Application Refused Or Cancelled</b><br>Positional Accuracy: Manually positioned to the road within the address or location                                                                                                           | A13NE (NE)                             | 10                           | 3       | 563700 174475 |
| 22     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Lafarge Cement Terminal<br>Location: The Shore, Gravesend, Kent, Da11 9an<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/10/67<br>Dated: 14th October 2010<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG3/1Blending, packing, loading and use of bulk cement<br><b>Status: Permitted</b><br>Positional Accuracy: Manually positioned to the road within the address or location                                                                                                                                                       | A13NW (NW)                             | 19                           | 3       | 563657 174479 |
| 23     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Blue Circle Industries<br>Location: Blue Circle House, The Shore, Northfleet, Kent, Da11 9an<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/93/014(C)<br>Dated: 28th September 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/1Blending, packing, loading and use of bulk cement<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually positioned to the road within the address or location                                                                                                                             | A13NW (W)                              | 43                           | 3       | 563630 174475 |
| 23     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Blue Circle Industries<br>Location: Blue Circle House, The Shore, Northfleet, Kent, DA11 9AN<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/93/014(A)<br>Dated: 28th September 2004<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/1Blending, packing, loading and use of bulk cement<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually positioned to the road within the address or location                                                                                                                             | A13SW (W)                              | 63                           | 3       | 563608 174461 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 23     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Blue Circle Industries<br>Location: Blue Circle House, The Shore, Northfleet, Kent, DA11 9AN<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/93/014(B)<br>Dated: 28th September 1994<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/1 Blending, packing, loading and use of bulk cement<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually positioned to the road within the address or location       | A13SW (W)                              | 73                           | 3       | 563600<br>174448 |
| 23     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Fleetmix<br>Location: Old Sun Wharf, Crete Hall Road, GRAVESEND, Kent, DA11 9AA<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp3/92/009<br>Dated: 13th August 1993<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/1 Blending, packing, loading and use of bulk cement<br><b>Status: Authorised</b><br>Positional Accuracy: Located by supplier to within 10m                                                                  | A13NW (W)                              | 82                           | 3       | 563595<br>174493 |
| 24     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Tbf Thompson (Properties) Ltd<br>Location: The White House, Imperial Wharf, Clifton Marine Parade, GRAVESEND, Kent, DA11 0DZ<br>Authority: London Port Health Authority, Environmental Services<br>Permit Reference: Port/8/05<br>Dated: 24th March 1992<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/5 Coal, coke and coal product processes<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A13NE (E)                              | 204                          | 4       | 563900<br>174470 |
| 25     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Nationwide Crash Repairs<br>Location: Unit D1 Imperial Business Park, West Mill, GRAVESEND, Kent, DA11 0DL<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp6/98/037<br>Dated: 11th September 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/34 Respraying of road vehicles<br><b>Status: Authorisation certificate surrendered by operator</b><br>Positional Accuracy: Manually positioned to the address or location     | A13SE (SE)                             | 257                          | 3       | 563856<br>174260 |
| 26     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Aei Cables Ltd<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9AF<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp1/99/044<br>Dated: 22nd July 1999<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/2 Manufacture of timber and wood-based products<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                                | A13SW (SW)                             | 261                          | 3       | 563438<br>174345 |
| 26     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Aei Cables Ltd<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9AF<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP6/96/020<br>Dated: 25th November 1996<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/42 Bitumen and tar processes<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                                               | A13SW (SW)                             | 263                          | 3       | 563438<br>174340 |
| 27     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Coachwork Renovation<br>Location: Unit C1 Imperial Business Park, West Mill, GRAVESEND, Kent, DA11 0DL<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP6/96/019<br>Dated: 24th May 1996<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/34 Respraying of road vehicles<br><b>Status: Authorised</b><br>Positional Accuracy: Automatically positioned to the address                                                             | A13SE (SE)                             | 335                          | 3       | 563921<br>174213 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 28     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Tvf Thompson (Properties) Ltd<br>Location: Imperial Business Estate, Thamesway Park, Gravesend<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/92/008<br>Dated: 8th July 1993<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/16 Mobile screening and crushing processes<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually positioned within the geographical locality  | A14SW (E)                              | 343                          | 3       | 564030 174385 |
| 29     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Chilton House Service Station<br>Location: 128 London Road, GRAVESEND, Kent, DA11 9LE<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP1/98/029<br>Dated: 7th September 1998<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/14 Petrol filling station<br><b>Status: Authorised</b><br>Positional Accuracy: Automatically positioned to the address                                               | A8NW (SW)                              | 371                          | 3       | 563521 174123 |
| 30     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Stema<br>Location: Crete Hall Road, Northfleet, DA11<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/07/053<br>Dated: 16th January 2007<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete<br><b>Status: Authorised</b><br>Positional Accuracy: Manually positioned to the address or location | A12SE (SW)                             | 409                          | 3       | 563338 174225 |
| 30     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: W T Henley<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9DA<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP6/93/012<br>Dated: 23rd November 1993<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/23 Coating of metal and plastic<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                 | A12SE (SW)                             | 418                          | 3       | 563337 174212 |
| 30     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Wt Henley<br>Location: Crete Hall Road, Northfleet, DA11<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP6/05/051<br>Dated: 15th November 2005<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/29 Di-isocyanate processes<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Manually positioned to the address or location                                                         | A12SE (SW)                             | 423                          | 3       | 563330 174212 |
| 30     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: W T Henley<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9DA<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP6/93/012<br>Dated: 19th March 1996<br>Process Type: Local Authority Air Pollution Control<br>Description: PG6/29 Di-isocyanate processes<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                                                         | A12SE (SW)                             | 424                          | 3       | 563337 174202 |
| 30     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: W T Henley<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9DA<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp2/92/002<br>Dated: 15th June 1995<br>Process Type: Local Authority Air Pollution Control<br>Description: PG2/4 Iron, steel and non-ferrous metal foundry processes<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address                               | A12SE (SW)                             | 425                          | 3       | 563332 174207 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 31     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Asda Petrol<br>Location: Thames Way, Gravesend, Da11 0dq<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP1/10/068<br>Dated: 1st July 2008<br>Process Type: Local Authority Pollution Prevention and Control<br>Description: PG1/14 Petrol filling station<br><b>Status: Permitted</b><br>Positional Accuracy: Manually positioned to the address or location                                                                                                     | A14SW (SE)                             | 422                          | 3       | 564048 174232 |
| 32     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Kentish Bus & Coach Company Northfleet Garage<br>Location: Apex House, London Road, GRAVESEND, Kent, DA11 9JG<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp1/94/017<br>Dated: 16th February 1996<br>Process Type: Local Authority Air Pollution Control<br>Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input<br><b>Status: Authorisation revoked</b><br>Positional Accuracy: Automatically positioned to the address               | A8NW (S)                               | 506                          | 3       | 563489 173991 |
| 33     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Rj Maxwell & Son Ltd<br>Location: The Whitehouse, Clifton Marine Parade, Imperial Business Park, GRAVESEND, Kent, DA11 0DY<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: Pp3/01/049<br>Dated: 22nd January 2002<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/15 Mineral drying and roadstone coating processes<br><b>Status: Authorised</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A14SW (E)                              | 544                          | 3       | 564240 174452 |
| 34     | <b>Local Authority Pollution Prevention and Controls</b><br>Name: Stema Shipping UK<br>Location: Red Lion Wharf, Northfleet, Kent, Da11 9ad<br>Authority: Gravesham Borough Council, Environmental Health Department<br>Permit Reference: PP3/06/053<br>Dated: 6th March 2006<br>Process Type: Local Authority Air Pollution Control<br>Description: PG3/8 Quarry processes including roadstone plants and the size reduction of bricks, tiles and concrete<br><b>Status: Authorised</b><br>Positional Accuracy: Manually positioned within the geographical locality              | A12NE (W)                              | 658                          | 3       | 563019 174552 |
|        | <b>Nearest Surface Water Feature</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A13NE (NE)                             | 22                           | -       | 563695 174489 |
| 35     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Aei Cables<br>Authority: Environment Agency, Thames Region<br>Pollutant: Oils - Unknown<br>Note: Not Supplied<br>Incident Date: 22nd April 1996<br>Incident Reference: SE960155<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                             | A13NW (W)                              | 175                          | 2       | 563500 174500 |
| 36     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: GRAVESEND<br>Authority: Environment Agency, Thames Region<br>Pollutant: Oils - Unknown<br>Note: Not Supplied<br>Incident Date: 28th May 1996<br>Incident Reference: SE960217<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                      | A13NE (E)                              | 206                          | 2       | 563900 174500 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 36     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Imperial Wharf, GRAVESEND<br>Authority: Environment Agency, Thames Region<br>Pollutant: Chemicals - Unknown<br>Note: Confirmed incident<br>Incident Date: 10th May 1999<br>Incident Reference: THSE1999043052<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 10m        | A13NE (E)                              | 220                          | 2       | 563900<br>174550 |
| 37     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: NORTHFLEET<br>Authority: Environment Agency, Thames Region<br>Pollutant: Chemicals - Unknown<br>Note: Confirmed As A Pollution Incident<br>Incident Date: 24th June 1990<br>Incident Reference: SE900182<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m            | A12NE (W)                              | 587                          | 2       | 563100<br>174600 |
| 38     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Chelmsford District<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Unknown<br>Note: Psw Thames<br>Incident Date: 9th July 1992<br>Incident Reference: 1594<br>Catchment Area: Not Given<br>Receiving Water: Freshwater Stream/River<br>Cause of Incident: Unknown<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                              | A18SE (NE)                             | 616                          | 2       | 564001<br>175001 |
| 39     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: NORTHFLEET<br>Authority: Environment Agency, Thames Region<br>Pollutant: Chemicals - Unknown<br>Note: Confirmed As A Pollution Incident<br>Incident Date: 22nd March 1991<br>Incident Reference: SE910077<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m           | A12SW (W)                              | 721                          | 2       | 563000<br>174200 |
| 40     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Ships/Boats<br>Location: Chelmsford District<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Chemicals - Other Inorganic<br>Note: Prv<br>Incident Date: 18th March 1997<br>Incident Reference: 3340<br>Catchment Area: Not Given<br>Receiving Water: Potential River<br>Cause of Incident: Accidental Spillage/Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m | A17SW (NW)                             | 855                          | 2       | 563001<br>174996 |
| 40     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Ships/Boats<br>Location: TILBURY<br>Authority: Environment Agency, Anglian Region<br>Pollutant: Chemicals - Other Inorganic<br>Note: Not Supplied<br>Incident Date: 18th March 1997<br>Incident Reference: 3340<br>Catchment Area: Not Given<br>Receiving Water: Potential River<br>Cause of Incident: Accidental Spillage/Leakage<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m    | A17SW (NW)                             | 858                          | 2       | 563001<br>175001 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 41     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Port Of Tilbury<br>Authority: Environment Agency, Thames Region<br>Pollutant: Miscellaneous - Unknown<br>Note: Confirmed As A Pollution Incident<br>Incident Date: 13th May 1993<br>Incident Reference: SE930127<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                | A17SW (NW)                             | 923                          | 2       | 563000<br>175100 |
| 42     | <b>Pollution Incidents to Controlled Waters</b><br>Property Type: Not Given<br>Location: Scotts Mill<br>Authority: Environment Agency, Thames Region<br>Pollutant: Miscellaneous - Unknown<br>Note: Confirmed As A Pollution Incident<br>Incident Date: 4th February 1992<br>Incident Reference: SE920038<br>Catchment Area: Not Given<br>Receiving Water: Not Given<br>Cause of Incident: Not Given<br>Incident Severity: Category 3 - Minor Incident<br>Positional Accuracy: Located by supplier to within 100m                                                                                                                                                                                | A12NW (W)                              | 998                          | 2       | 562700<br>174695 |
| 43     | <b>Substantiated Pollution Incident Register</b><br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Incident Date: 7th June 2006<br>Incident Reference: 405203<br>Water Impact: Category 4 - No Impact<br>Air Impact: Category 2 - Significant Incident<br>Land Impact: Category 2 - Significant Incident<br>Positional Accuracy: Located by supplier to within 10m<br>Pollutant: General Biodegradable Materials And Wastes: Other Animal Matter<br>Pollutant: Inert : Other                                                                                                                                                                                     | A12NW (W)                              | 832                          | 2       | 562841<br>174522 |
| 44     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/B/Gr<br>Permit Version: 100<br>Location: Borehole 4, Crete Hall Road, Northfleet.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper And Printing: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Shown Coloured Blue On Licence Map.<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 1st July 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A12SW (W)                              | 720                          | 2       | 562980<br>174260 |
| 45     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/A/Gr<br>Permit Version: 100<br>Location: Point 1, Greensand Borehole, Northfleet.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper and Printing: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 1309<br>Yearly Rate (m3): 477875.5<br>Details: As Shown Coloured Blue On Licence Map.<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 27th May 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m               | A12NW (W)                              | 817                          | 2       | 562860<br>174560 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 46     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/A/Gr<br>Permit Version: 100<br>Location: Point 2, Greensand Borehole, Northfleet.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper and Printing: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Shown Coloured Blue On Licence Map.<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 27th May 1966<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A7NW (W)                               | 908                          | 2       | 562830<br>174120 |
| 47     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/A/Gr<br>Permit Version: 101<br>Location: Point A, Borehole At Kimberly Clark, Northfleet<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper and Printing: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 24th April 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m      | A12NW (W)                              | 920                          | 2       | 562760<br>174590 |
| 47     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/A/Gr/R1<br>Permit Version: 1<br>Location: Point A, Borehole At Kimberly Clark, Northfleet<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper and Printing: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Map<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A12NW (W)                              | 922                          | 2       | 562759<br>174599 |
| 48     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/A/Gr/R1<br>Permit Version: 1<br>Location: Point B, Borehole At Kimberly Clark, Northfleet<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper and Printing: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Map<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A7NW (W)                               | 964                          | 2       | 562772<br>174114 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 48     | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/A/Gr<br>Permit Version: 101<br>Location: Point B, Borehole At Kimberly Clark, Northfleet<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper and Printing: Boiler Feed<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 24th April 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m        | A7NW (W)                               | 964                          | 2       | 562770<br>174120 |
|        | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/B/Gr<br>Permit Version: 100<br>Location: Borehole 2, H5 Chalk, Northfleet.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper And Printing: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 19656<br>Yearly Rate (m3): 4710000<br>Details: As Shown Coloured Blue On Licence Map.<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 1st July 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                    | A6SE (SW)                              | 1461                         | 2       | 562450<br>173660 |
|        | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/B/Gr<br>Permit Version: 100<br>Location: Borehole 1, H5 Chalk, Northfleet.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper And Printing: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Shown Coloured Blue On Licence Map.<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 1st July 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m        | A6SE (SW)                              | 1495                         | 2       | 562410<br>173660 |
|        | <b>Water Abstractions</b><br>Operator: Kimberly-Clark Limited<br>Licence Number: 9/40/01/0092/B/Gr<br>Permit Version: 100<br>Location: Borehole 3, Springhead Lake, Northfleet.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Paper And Printing: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Shown Coloured Blue On Licence Map.<br>Authorised Start: 01 October<br>Authorised End: 30 September<br>Permit Start Date: 1st July 1996<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A6SW (SW)                              | 1581                         | 2       | 562260<br>173750 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m     | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                 | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m       | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m       | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                 | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m         | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m     | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m      | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m        | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m          | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point A At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                    | A6SW (SW)                              | 1626                         | 2       | 562210 173750 |
|        | <b>Water Abstractions</b><br>Operator: Berendsen Uk Limited<br>Licence Number: 01/154/R01<br>Permit Version: 1<br>Location: Point A, Borehole At Springhead Enterprise Park<br>Authority: Environment Agency, Southern Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Springhead Enterprise Park, Gravesend<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 1st April 2018<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NW (SW)                              | 1761                         | 2       | 562230 173450 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Water Abstractions</b><br>Operator: Berendsen Uk Limited<br>Licence Number: 01/154<br>Permit Version: 5<br>Location: Point A, Borehole At Springhead Enterprise Park<br>Authority: Environment Agency, Southern Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: Springhead Enterprise Park, Gravesend<br>Authorised Start: 01 April<br>Authorised End: 31 March<br>Permit Start Date: 5th December 2014<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m         | A1NW (SW)                              | 1761                         | 2       | 562230 173450 |
|        | <b>Water Abstractions</b><br>Operator: Berendsen Uk Limited<br>Licence Number: 01/154<br>Permit Version: 4<br>Location: Point A, Borehole At Springhead Enterprise Park<br>Authority: Environment Agency, Southern Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Outlined Boldly On Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd July 2013<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | A1NW (SW)                              | 1761                         | 2       | 562230 173450 |
|        | <b>Water Abstractions</b><br>Operator: The Sunlight Service Group Ltd<br>Licence Number: 01/154<br>Permit Version: 2<br>Location: Point A, Borehole At Springhead Enterprise Park<br>Authority: Environment Agency, Southern Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Outlined Boldly On Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 9th March 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A1NW (SW)                              | 1761                         | 2       | 562230 173450 |
|        | <b>Water Abstractions</b><br>Operator: Shaws Laundries Ltd<br>Licence Number: 01/154<br>Permit Version: 1<br>Location: Point A, Borehole At Springhead Enterprise Park<br>Authority: Environment Agency, Southern Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Outlined Boldly On Licence Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 3rd May 2004<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m              | A1NW (SW)                              | 1761                         | 2       | 562230 173450 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Shaws Laundries Ltd<br>Licence Number: 01/144<br>Permit Version: 1<br>Location: Point A, Borehole At Springhead Enterprise Park<br>Authority: Environment Agency, Southern Region<br>Abstraction: Industrial; Commercial And Public Services: Laundry Use<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 28th July 2000<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m         | A1NW (SW)                              | 1761                         | 2       | 562230<br>173450 |
|        | <b>Water Abstractions</b><br>Operator: Southern Water Services Ltd<br>Licence Number: 9/40/01/0511/G<br>Permit Version: 100<br>Location: Boreholes, Adits And Catchpits At Windmill Hill Ps<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply: Potable Water Supply - Direct<br>Abstraction Type: Water may be abstracted from any point within an area<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: N/A<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A5NE (SE)                              | 1812                         | 2       | 565060<br>173270 |
|        | <b>Water Abstractions</b><br>Operator: Southern Water Services Ltd<br>Licence Number: 01/026<br>Permit Version: Not Supplied<br>Location: Windmill Hill Ps, GRAVESEND<br>Authority: Environment Agency, Southern Region<br>Abstraction: Public Water Supply<br>Abstraction Type: Not Supplied<br>Source: Groundwater<br>Daily Rate (m3): 7000<br>Yearly Rate (m3): 2562000<br>Details: H5 Chalk; Licence Status: Revoked; Lapsed Or Cancelled<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                           | A5NW (SE)                              | 1815                         | 2       | 565001<br>173201 |
|        | <b>Water Abstractions</b><br>Operator: Southern Water Services Ltd<br>Licence Number: 1/0511/A/G<br>Permit Version: Not Supplied<br>Location: Windmill Hill Pumping Station<br>Authority: Environment Agency, Southern Region<br>Abstraction: Sand And Gravel Washing<br>Abstraction Type: Not Supplied<br>Source: Pond or Lake<br>Daily Rate (m3): 7000<br>Yearly Rate (m3): 2562000<br>Details: Additional Purpose: Public Water Supply<br>Authorised Start: Not Supplied<br>Authorised End: Not Supplied<br>Permit Start Date: Not Supplied<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 100m                                                               | A5NW (SE)                              | 1822                         | 2       | 565006<br>173196 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m       | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                 | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 104<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 2009<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m     | (W)                                    | 1872                         | 2       | 561920<br>173800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m       | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                 | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1872                         | 2       | 561920<br>173800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Lafarge Cement Uk Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 103<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 27th November 2007<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m         | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m     | (W)                                    | 1872                         | 2       | 561920<br>173800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 102<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 30th October 2006<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m           | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: General Agriculture: Spray Irrigation - Direct<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): 3382<br>Yearly Rate (m3): 1235375.5<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 April<br>Authorised End: 31 October<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m       | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Non-Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m  | (W)                                    | 1872                         | 2       | 561920<br>173800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Evaporative Cooling<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m       | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: General Use (Medium Loss)<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Blue Circle Industries Plc<br>Licence Number: 9/40/01/0051/Gr<br>Permit Version: 101<br>Location: Point B At Blue Lake Northfleet Cement Works<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Process Water<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Groundwater<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On The Map<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 25th August 1999<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m             | (W)                                    | 1872                         | 2       | 561920<br>173800 |
|        | <b>Water Abstractions</b><br>Operator: Robert Brett & Sons Ltd<br>Licence Number: 9/40/01/0522/S<br>Permit Version: 101<br>Location: Point A, Tidal River Thames At Swanscombe.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Mineral Washing<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Licence Map.<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 1st January 2002<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                | (W)                                    | 1910                         | 2       | 561870<br>175100 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Water Abstractions</b><br>Operator: Aylett Gravel Ltd.<br>Licence Number: 9/40/01/0522/S<br>Permit Version: 100<br>Location: Point A, Tidal River Thames At Swanscombe.<br>Authority: Environment Agency, Southern Region<br>Abstraction: Construction: Mineral Washing<br>Abstraction Type: Water may be abstracted from a single point<br>Source: Surface<br>Daily Rate (m3): Not Supplied<br>Yearly Rate (m3): Not Supplied<br>Details: As Boldly Outlined On Licence Map.<br>Authorised Start: 01 January<br>Authorised End: 31 December<br>Permit Start Date: 22nd September 1993<br>Permit End Date: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m                             | (W)                                    | 1910                         | 2       | 561870<br>175100 |
| 49     | <b>Water Industry Act Referrals</b><br>Name: Tt Bottom Link Ltd<br>Location: NORTHFLEET INDUSTRIAL AREA (EAST), CRETE HALL ROAD, GRAVESEND, KENT, DA11 9DA<br>Authority: Environment Agency, Southern Region<br>Permit Reference: AF0148<br>Dated: 30th March 1992<br>Process Type: Permissions or amendments to discharge under the Water Industry Act 1991<br>Description: Processes which result in the discharge of Special Category effluents under The Trade Effluents (Prescribed Processes and Substances) Regulations<br><b>Status:</b> Application has been authorised and any conditions apply to the operator<br>Positional Accuracy: Manually positioned to the road within the address or location | A13SW (SW)                             | 321                          | 2       | 563438<br>174242 |
|        | <b>Groundwater Vulnerability Map</b><br>Combined Classification: Principle Bedrock Aquifer - High Vulnerability<br>Combined Vulnerability: High<br>Combined Aquifer: Productive Bedrock Aquifer, No Superficial Aquifer<br>Pollutant Speed: Intermediate<br>Bedrock Flow: Well Connected Fractures<br>Dilution: <300 mm/year<br>Baseflow Index: >70%<br>Superficial: <90%<br>Patchiness: >10m<br>Superficial Thickness: No Data<br>Superficial Recharge:                                                                                                                                                                                                                                                         | A13NW (N)                              | 0                            | 5       | 563684<br>174464 |
|        | <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>Classification: Very Significant Risk - Moderate Possibility                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A13NW (N)                              | 0                            | 5       | 563684<br>174464 |
|        | <b>Bedrock Aquifer Designations</b><br>Aquifer Designation: Principal Aquifer                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A13NW (N)                              | 0                            | 5       | 563684<br>174464 |
|        | <b>Superficial Aquifer Designations</b><br>No Data Available                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                        |                              |         |                  |
| 50     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.                                                                                                                                                                                                                                                                                                                                                                                                                                                            | A13SW (S)                              | 54                           | 2       | 563677<br>174404 |
| 51     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A13SW (S)                              | 79                           | 2       | 563656<br>174385 |
| 52     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | A12NW (W)                              | 802                          | 2       | 562878<br>174582 |

| Map ID | Details                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 53     | <b>Source Protection Zones</b><br>Name: Not Supplied<br>Source: Environment Agency, Head Office<br>Reference: Not Supplied<br>Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.     | A7SE (SW)                              | 891                          | 2       | 563129 173755 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                           | A13NE (E)                              | 27                           | 2       | 563721 174477 |
|        | <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Extreme Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                           | A13NW (NW)                             | 48                           | 2       | 563631 174492 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                                           | A13NE (E)                              | 27                           | 2       | 563721 174477 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                                           | A13NW (NW)                             | 48                           | 2       | 563631 174492 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                                           | A13NW (W)                              | 70                           | 2       | 563601 174472 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                                           | A13NE (E)                              | 105                          | 2       | 563801 174477 |
|        | <b>Flooding from Rivers or Sea without Defences</b><br>Type: Extent of Flooding from Rivers or Sea without Defences<br>Flood Plain Type: Tidal Models<br>Boundary Accuracy: As Supplied                                           | A13NE (E)                              | 225                          | 2       | 563921 174482 |
|        | <b>Areas Benefiting from Flood Defences</b><br>Type: Area Benefiting from Flood Defences<br>Boundary Accuracy: As Supplied                                                                                                        | A13NE (E)                              | 27                           | 2       | 563721 174477 |
|        | <b>Areas Benefiting from Flood Defences</b><br>Type: Area Benefiting from Flood Defences<br>Boundary Accuracy: As Supplied                                                                                                        | A13NW (NW)                             | 57                           | 2       | 563621 174492 |
|        | <b>Flood Water Storage Areas</b><br>None                                                                                                                                                                                          |                                        |                              |         |               |
|        | <b>Flood Defences</b><br>Type: Flood Defences<br>Reference: Not Supplied                                                                                                                                                          | A13NE (NE)                             | 20                           | 2       | 563695 174487 |
| 54     | <b>OS Water Network Lines</b><br>Watercourse Form: Tidal river<br>Watercourse Length: 2065.7<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Thames<br>Catchment Name: Thames<br>Primacy: 1 | A13NW (N)                              | 330                          | 6       | 563671 174798 |
| 55     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 562.6<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Thames<br>Primacy: 1 | A18NE (N)                              | 693                          | 6       | 563798 175152 |
| 56     | <b>OS Water Network Lines</b><br>Watercourse Form: Tidal river<br>Watercourse Length: 420.5<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: River Thames<br>Catchment Name: Thames<br>Primacy: 1  | A19SW (NE)                             | 737                          | 6       | 564340 174824 |

| Map ID | Details                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 57     | <b>OS Water Network Lines</b><br>Watercourse Form: Tidal river<br>Watercourse Length: 246.2<br>Watercourse Level: On ground surface<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Not Supplied<br>Primacy: 1 | A19SW (NE)                             | 737                          | 6       | 564340<br>174824 |
| 58     | <b>OS Water Network Lines</b><br>Watercourse Form: Tidal river<br>Watercourse Length: 49.0<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Not Supplied<br>Primacy: 1       | A19SW (NE)                             | 867                          | 6       | 564319<br>175069 |
| 59     | <b>OS Water Network Lines</b><br>Watercourse Form: Inland river<br>Watercourse Length: 269.2<br>Watercourse Level: Not Supplied<br>Permanent: True<br>Watercourse Name: Not Supplied<br>Catchment Name: Thames<br>Primacy: 1           | A19SW (NE)                             | 900                          | 6       | 564316<br>175118 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 60     | <b>BGS Recorded Landfill Sites</b><br>Site Name: Northfleet Power stn<br>Location: Crete Hall Rd, NORTHFLEET, Kent<br>Authority: British Geological Survey, National Geoscience Information Service<br>Ground Water: Information not available<br>Surface Water: Information not available<br>Geology: N/A<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Moderate                                                                                                                                                                                                     | A8NW (S)                               | 668                          | -       | 563451 173832 |
| 61     | <b>Historical Landfill Sites</b><br>Licence Holder: Reed Paper and Board<br>Location: Gravesend, Kent<br>Name: Lennox Road<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19848<br>First Input Date: 31st December 1977<br>Last Input Date: 31st December 1988<br>Specified Waste Type: Deposited Waste included Inert and Commercial Waste, and Liquid Sludge<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2200/7023<br>BGS Ref: Not Supplied<br>Other Ref: P/02/03, 21EK                                                        | A8NE (SE)                              | 426                          | 2       | 563889 174081 |
| 62     | <b>Historical Landfill Sites</b><br>Licence Holder: Not Supplied<br>Location: Gravesend, Kent<br>Name: Asda Site<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19291<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste Type: Deposited Waste included Inert Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2200/7033<br>BGS Ref: Not Supplied<br>Other Ref: GR15                                                                                                                         | A14SW (E)                              | 492                          | 2       | 564151 174277 |
| 63     | <b>Historical Landfill Sites</b><br>Licence Holder: Port Of London Authority<br>Location: Tilbury Docks, Tilbury, Essex<br>Name: Tidal Basin<br>Operator Location: Leslie Ford House, Tilbury Freeport, Tilbury<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD00591<br>First Input Date: 31st December 1981<br>Last Input Date: 19th September 1996<br>Specified Waste Type: Deposited Waste included Inert, Industrial, Commercial and Household Waste<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 1500/0517<br>BGS Ref: Not Supplied<br>Other Ref: 86/81, THU023 | A18SE (N)                              | 614                          | 2       | 563834 175065 |
| 64     | <b>Historical Landfill Sites</b><br>Licence Holder: Central Electricity Generating Board<br>Location: Northfleet, Kent<br>Name: Northfleet Power Station<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19299<br>First Input Date: 31st December 1960<br>Last Input Date: 31st December 1992<br>Specified Waste Type: Deposited Waste included Inert and Industrial Waste, and Liquid Sludge<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2200/7024<br>BGS Ref: 1947<br>Other Ref: 21EL, P/02/02                                  | A8NW (S)                               | 668                          | 2       | 563455 173831 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 65     | <b>Historical Landfill Sites</b><br>Licence Holder: T B F Thompson Properties Limited<br>Location: Gravesend, Kent<br>Name: Campbell Road Pit<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19307<br>First Input Date: Not Supplied<br>Last Input Date: Not Supplied<br>Specified Waste: Deposited Waste included Inert Waste<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2200/7017<br>BGS Ref: Not Supplied<br>Other Ref: GR18, P/02/10                                                                                                                                                                                                    | A8SE (S)                               | 750                          | 2       | 563907 173739 |
| 66     | <b>Historical Landfill Sites</b><br>Licence Holder: Central Electricity Generating Board<br>Location: Northfleet, Kent<br>Name: Northfleet Power Station<br>Operator Location: Not Supplied<br>Boundary Accuracy: As Supplied<br>Provider Reference: EAHLD19304<br>First Input Date: 31st December 1960<br>Last Input Date: 31st December 1992<br>Specified Waste: Deposited Waste included Inert and Industrial Waste, and Liquid Sludge<br>Type:<br>EA Waste Ref: 0<br>Regis Ref: Not Supplied<br>WRC Ref: 2200/7024<br>BGS Ref: Not Supplied<br>Other Ref: 21EL, P/02/02                                                                                                                                           | A7SE (SW)                              | 946                          | 2       | 563098 173710 |
| 67     | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 104141<br>Location: Red Lion Wharf, Crete Hall Road, Northfleet, Gravesend<br>Operator Name: Hadfield Wood Recyclers Limited<br>Operator Location: Not Supplied<br>Authority: Environment Agency - South East Region, Kent & South London Area<br>Site Category: Treatment of waste wood <75000 tps<br><b>Licence Status: Surrendered</b><br>Issued: 23rd May 2012<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 28th April 2014<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Manually positioned to the road within the address or location      | A12SE (W)                              | 538                          | 2       | 563152 174322 |
| 68     | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 404041<br>Location: Tilbury Dock Shed 32a, Port Of Tilbury, Tilbury, Essex, RM18 7NS<br>Operator Name: Suez Recycling And Recovery Uk Ltd<br>Operator Location: Not Supplied<br>Authority: Environment Agency - Anglian Region, Eastern Area<br>Site Category: Household, Commercial And Industrial Transfer Stations<br><b>Licence Status: Surrendered</b><br>Issued: 2nd August 2017<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 14th November 2018<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m            | A18NW (N)                              | 828                          | 2       | 563476 175272 |
| 69     | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 402099<br>Location: Dockside North Of Sheds 32 And 33, Port Tilbury, Tilbury, Essex, RM18 7NS<br>Operator Name: Suez Recycling And Recovery Uk Ltd<br>Operator Location: Not Supplied<br>Authority: Environment Agency - Anglian Region, Eastern Area<br>Site Category: Household, Commercial And Industrial Transfer Stations<br><b>Licence Status: Surrendered</b><br>Issued: 21st December 2017<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 5th December 2018<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A17NE (NW)                             | 869                          | 2       | 563310 175258 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 69     | <b>Licensed Waste Management Facilities (Locations)</b><br>Licence Number: 402083<br>Location: Sheds 32 And 33, Port Of Tilbury, Tilbury, Essex, RM18 7NS<br>Operator Name: Suez Recycling And Recovery Uk Ltd<br>Operator Location: Not Supplied<br>Authority: Environment Agency - Anglian Region, Eastern Area<br>Site Category: Household, Commercial And Industrial Transfer Stations<br><b>Licence Status: Surrendered</b><br>Issued: 30th January 2015<br>Last Modified: Not Supplied<br>Expires: Not Supplied<br>Suspended: Not Supplied<br>Revoked: Not Supplied<br>Surrendered: 22nd November 2018<br>IPPC Reference: Not Supplied<br>Positional Accuracy: Located by supplier to within 10m | A17NE (NW)                             | 869                          | 2       | 563310<br>175258 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Gravesham Borough Council<br>- Has no landfill data to supply                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                        | 0                            | 7       | 563684<br>174464 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Kent County Council<br>- Had landfill data but passed it to the relevant environment agency                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                        | 0                            | 8       | 563684<br>174464 |
|        | <b>Local Authority Landfill Coverage</b><br>Name: Thurrock Unitary Council<br>- Has supplied landfill data                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                        | 298                          | 9       | 563700<br>174765 |
| 70     | <b>Local Authority Recorded Landfill Sites</b><br>Location: Tidal Basin, Tilbury Docks, Thurrock<br>Reference: THU023<br>Authority: Thurrock Borough Council, Environmental Health Department<br><b>Last Reported Status: Unknown</b><br>Types of Waste: Soil, Inert (Building, Construction)<br>Date of Closure: Not Supplied<br>Positional Accuracy: Positioned by the supplier<br>Boundary Quality: Moderate                                                                                                                                                                                                                                                                                        | A18SE (N)                              | 603                          | 9       | 563825<br>175055 |
| 71     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SE<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A13SE (SE)                             | 293                          | -       | 563846<br>174208 |
| 72     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: W<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A12NE (W)                              | 444                          | -       | 563228<br>174469 |
| 73     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SW<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A7NE (SW)                              | 608                          | -       | 563209<br>174068 |
| 74     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: SE<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | A8NE (SE)                              | 622                          | -       | 564016<br>173926 |
| 75     | <b>Potentially Infilled Land (Non-Water)</b><br>Bearing Ref: W<br>Use: Unknown Filled Ground (Pit, quarry etc)<br>Date of Mapping: 1991                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | A12SW (W)                              | 732                          | -       | 562966<br>174264 |
| 76     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1869                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A12SE (SW)                             | 417                          | -       | 563322<br>174234 |
| 77     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A18NE (N)                              | 839                          | -       | 563852<br>175291 |
| 78     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A18NE (N)                              | 929                          | -       | 563915<br>175369 |
| 79     | <b>Potentially Infilled Land (Water)</b><br>Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc)<br>Date of Mapping: 1961                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | A18NE (N)                              | 948                          | -       | 563891<br>175394 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 80     | <b>Registered Landfill Sites</b><br>Licence Holder: T B F Thompson (Properties) Ltd<br>Licence Reference: P/02/10<br>Site Location: Campbell Road Pit, Gravesend, Kent<br>Licence Easting: Not Supplied<br>Licence Northing: Not Supplied<br>Operator Location: Imperial Business Estate, Clifton Marine Parade, GRAVESEND, Kent, DA11 0EA<br>Authority: Environment Agency - Southern Region, Kent Area<br>Site Category: Landfill<br>Max Input Rate: Large (Equal to or greater than 75,000 and less than 250,000 tonnes per year)<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Status: Site not yet started<br>Dated: 17th September 1991<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Good<br>Authorised Waste: Kent Cat. A (Inert) Only                                                                                                                                                                                                                  | A8NE (SE)                              | 396                          | 2       | 563881 174109 |
| 81     | <b>Registered Landfill Sites</b><br>Licence Holder: Port Of Tilbury (London) Ltd<br>Licence Reference: 86/81<br>Site Location: Tidal Basin, Tilbury, Essex<br>Licence Easting: Not Supplied<br>Licence Northing: Not Supplied<br>Operator Location: Leslie Ford Ho. Tilbury Freeport, TILBURY, Essex, RM18 7EH<br>Authority: Environment Agency - Anglian Region, Eastern Area<br>Site Category: Landfill<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 10th September 1981<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Positioned by the supplier<br>Boundary Accuracy: Good<br>Authorised Waste: Constr'N/Demol. Inert/Non-Haz/Non-Tox<br>Excavated Natural Materials \$<br>Max.Waste Permitted By Licence                                                                                                                                           | A18SE (N)                              | 651                          | 2       | 563836 175102 |
| 82     | <b>Registered Landfill Sites</b><br>Licence Holder: National Power Plc<br>Licence Reference: P/02/02<br>Site Location: Landfill South Of London Road, Northfleet, Gravesend, Kent<br>Licence Easting: 563050<br>Licence Northing: 173800<br>Operator Location: Bankside House, Sumner Street, SOUTHWARK, London, SE1 9JU<br>Authority: Environment Agency - Southern Region, Kent Area<br>Site Category: Landfill<br>Max Input Rate: Very Small (Less than 10,000 tonnes per year)<br>Waste Source: Waste produced/controlled by licence holder<br>Restrictions:<br>Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 14th April 1981<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Manually positioned to the address or location<br>Boundary Accuracy: Not Applicable<br>Authorised Waste: Asbestos<br>Incinerator Residues<br>Ind. Non-Haz. Inert, Non-Flammable<br>Ind. Non-Haz. Potentially Combustible<br>Industrial Effluent Treatment Sludge<br>Shredded Packaging Waste<br>Water Treatment Wastes | A7NE (SW)                              | 908                          | 2       | 563050 173800 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 83     | <b>Registered Waste Treatment or Disposal Sites</b><br>Licence Holder: Reed Paper & Board Ltd<br>Licence Reference: P/02/03<br>Site Location: Lennox Road Pit, Gravesend, Kent<br>Operator Location: Imperial Paper Mills, GRAVESEND, Kent, DA11 0EA<br>Authority: Environment Agency - Southern Region, Kent Area<br>Site Category: Baling - Compaction<br>Max Input Rate: Small (Equal to or greater than 10,000 and less than 25,000 tonnes per year)<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 8th March 1977<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Approximate location provided by supplier<br>Boundary Quality: Not Supplied<br>Authorised Waste: Paper Making Wastes<br>Water Treatment Wastes<br>Prohibited Waste: Waste N.O.S | A8NE (S)                               | 666                          | 2       | 563800<br>173800 |
| 84     | <b>Registered Waste Treatment or Disposal Sites</b><br>Licence Holder: Burweld Ltd<br>Licence Reference: 37/77<br>Site Location: Tilbury Repair Jetty, Tilbury Dock, Tilbury, Essex<br>Operator Location: West India Graving Dock, Prestons Road, Poplar, London<br>Authority: Environment Agency - Anglian Region, Eastern Area<br>Site Category: Recovery - Oil<br>Max Input Rate: Undefined<br>Waste Source: No known restriction on source of waste<br>Restrictions:<br>Licence Status: Licence lapsed/cancelled/defunct/not applicable/surrenderedCancelled<br>Dated: 1st December 1977<br>Preceded By: Not Given<br>Licence:<br>Superseded By: Not Given<br>Licence:<br>Positional Accuracy: Approximate location provided by supplier<br>Boundary Quality: Not Supplied<br>Authorised Waste: Hazardous Liqs/Sludges With Recoverable Hydrocarbon Fuel Constituent                                                                  | A18NW (N)                              | 835                          | 2       | 563600<br>175300 |

| Map ID | Details                                                                                                                                                                                               | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 85     | <b>Explosive Sites</b><br>Name: Tilbury/Port Of London River Authority<br>Location: Essex, Gbr<br><b>Status:</b> <b>Active</b><br>Positional Accuracy: Manually positioned to the address or location | A19NW (NE)                             | 965                          | 10      | 564332<br>175191 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>BGS 1:625,000 Solid Geology</b><br>Description: White Chalk Subgroup                                                                                                                                                                                                                                                                                | A13NW (N)                              | 0                            | 1       | 563684<br>174464 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: 200 - 300 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A13NW (N)                              | 0                            | 1       | 563684<br>174464 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A18SW (N)                              | 532                          | 1       | 563684<br>175000 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A12NW (W)                              | 672                          | 1       | 563000<br>174500 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A7NW (SW)                              | 815                          | 1       | 563000<br>174000 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: <15 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 60 - 90 mg/kg<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel Concentration: 15 - 30 mg/kg      | A17SW (NW)                             | 858                          | 1       | 563000<br>175000 |
|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic Concentration: 15 - 25 mg/kg<br>Cadmium Concentration: <1.8 mg/kg<br>Chromium Concentration: 90 - 120 mg/kg<br>Lead Concentration: 300 - 600 mg/kg<br>Nickel Concentration: 30 - 45 mg/kg | A9NE (SE)                              | 929                          | 1       | 564500<br>174000 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>BGS Estimated Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Soil Sample Type: Rural Soil<br>Arsenic: 15 - 25 mg/kg<br>Concentration:<br>Cadmium: <1.8 mg/kg<br>Concentration:<br>Chromium: 90 - 120 mg/kg<br>Concentration:<br>Lead Concentration: 100 - 200 mg/kg<br>Nickel: 30 - 45 mg/kg<br>Concentration:                                                                                                        | A8SW (S)                               | 957                          | 1       | 563684 173500 |
| 86     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Imperial Wharf<br>Location: Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 10547<br>Type: Wharf<br><b>Status: Dormant</b><br>Operator: Imperial Wharf & Shipping<br>Operator Location: Not Supplied<br>Periodic Type: Not Available<br>Geology: Quarry (Hard Rock)<br>Commodity: Crushed Rock<br>Positional Accuracy: Located by supplier to within 10m          | A13NE (E)                              | 215                          | 1       | 563900 174535 |
| 87     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131033<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m      | A13SE (SE)                             | 339                          | 1       | 563878 174174 |
| 88     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Red Lion Wharf<br>Location: Northfleet, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 10548<br>Type: Wharf<br><b>Status: Active</b><br>Operator: Stema Shipping (Uk) Ltd.<br>Operator Location: Not Supplied<br>Periodic Type: Not Available<br>Geology: Quarry (Hard Rock)<br>Commodity: Crushed Rock<br>Positional Accuracy: Located by supplier to within 10m           | A12NE (W)                              | 524                          | 1       | 563160 174580 |
| 88     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Red Lion Wharf<br>Location: Northfleet, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 10548<br>Type: Wharf<br><b>Status: Active</b><br>Operator: Stema Shipping (Uk) Ltd.<br>Operator Location: Not Supplied<br>Periodic Type: Quaternary<br>Geology: Marine Deposits<br>Commodity: Marine Sand And Gravel<br>Positional Accuracy: Located by supplier to within 10m       | A12NE (W)                              | 524                          | 1       | 563160 174580 |
| 89     | <b>BGS Recorded Mineral Sites</b><br>Site Name: London Road Whiting Works<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131034<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A12SE (SW)                             | 543                          | 1       | 563186 174219 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 90     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131032<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A8NE (S)                               | 605                          | 1       | 563834 173869 |
| 91     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131031<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A14SW (SE)                             | 652                          | 1       | 564282 174179 |
| 92     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131046<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A9NW (SE)                              | 675                          | 1       | 564035 173877 |
| 93     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131036<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW)                              | 678                          | 1       | 563165 174012 |
| 94     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Clifton Road Chalk Mine<br>Location: Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 220380<br>Type: Underground<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m       | A14SE (E)                              | 749                          | 1       | 564439 174369 |
| 95     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131035<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A7NE (SW)                              | 789                          | 1       | 563145 173875 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 96     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131045<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A8SE (S)                               | 816                          | 1       | 563809 173650 |
| 97     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131041<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW)                              | 855                          | 1       | 563220 173737 |
| 98     | <b>BGS Recorded Mineral Sites</b><br>Site Name: Northfleet Chalk Pit<br>Location: Northfleet, Gravesend, Kent<br>Source: British Geological Survey, National Geoscience Information Service<br>Reference: 131042<br>Type: Opencast<br><b>Status: Ceased</b><br>Operator: Unknown Operator<br>Operator Location: Not Supplied<br>Periodic Type: Cretaceous<br>Geology: White Chalk Subgroup<br>Commodity: Chalk<br>Positional Accuracy: Located by supplier to within 10m | A7SE (SW)                              | 969                          | 1       | 563117 173668 |
|        | <b>BGS Measured Urban Soil Chemistry</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Grid: 564294, 175159<br>Soil Sample Type: Topsoil<br>Sample Area: London<br>Arsenic Measured 25.20 mg/kg<br>Concentration:<br>Cadmium Measured 0.50 mg/kg<br>Concentration:<br>Chromium Measured 99.60 mg/kg<br>Concentration:<br>Lead Measured 77.90 mg/kg<br>Concentration:<br>Nickel Measured 38.90 mg/kg<br>Concentration:                 | A19NW (NE)                             | 916                          | 1       | 564294 175159 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>BGS Urban Soil Chemistry Averages</b><br>Source: British Geological Survey, National Geoscience Information Service<br>Sample Area: London<br>Count Id: 7209<br>Arsenic Minimum 1.00 mg/kg<br>Concentration:<br>Arsenic Average 17.00 mg/kg<br>Concentration:<br>Arsenic Maximum 161.00 mg/kg<br>Concentration:<br>Cadmium Minimum 0.10 mg/kg<br>Concentration:<br>Cadmium Average 0.90 mg/kg<br>Concentration:<br>Cadmium Maximum 165.20 mg/kg<br>Concentration:<br>Chromium Minimum 13.00 mg/kg<br>Concentration:<br>Chromium Average 79.00 mg/kg<br>Concentration:<br>Chromium Maximum 2094.00 mg/kg<br>Concentration:<br>Lead Minimum 11.00 mg/kg<br>Concentration:<br>Lead Average 280.00 mg/kg<br>Concentration:<br>Lead Maximum 10000.00 mg/kg<br>Concentration:<br>Nickel Minimum 2.00 mg/kg<br>Concentration:<br>Nickel Average 28.00 mg/kg<br>Concentration:<br>Nickel Maximum 506.00 mg/kg<br>Concentration: | A13NE (NE)                             | 311                          | 1       | 563900<br>174700 |
|        | <b>Coal Mining Affected Areas</b><br>In an area that might not be affected by coal mining                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                        |                              |         |                  |
|        | <b>Man-Made Mining Cavities</b><br>Easting: 564000<br>Northing: 174300<br>Distance: 346<br>Quadrant Reference: A13<br>Quadrant Reference: SE<br>Bearing Ref: SE<br>Cavity Type: Historical Lime Works-Potential Chalk Mining<br>Commodity: Chalk<br>Solid Geology Detail: Chalk Group<br>Superficial Geology Worked Ground<br>Detail:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | A13SE (SE)                             | 346                          | 11      | 564000<br>174300 |
|        | <b>Man-Made Mining Cavities</b><br>Easting: 564200<br>Northing: 174300<br>Distance: 530<br>Quadrant Reference: A14<br>Quadrant Reference: SW<br>Bearing Ref: E<br>Cavity Type: Historical Lime Kilns/Extensive Chalk Excavations-Potential Chalk Mining<br>Commodity: Chalk<br>Solid Geology Detail: Chalk Group<br>Superficial Geology Worked Ground<br>Detail:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | A14SW (E)                              | 530                          | 11      | 564200<br>174300 |
|        | <b>Man-Made Mining Cavities</b><br>Easting: 563100<br>Northing: 174100<br>Distance: 677<br>Quadrant Reference: A7<br>Quadrant Reference: NE<br>Bearing Ref: SW<br>Cavity Type: Historical Lime Kiln/Extensive Chalk Excavation-Potential Chalk Mining<br>Commodity: Chalk<br>Solid Geology Detail: Chalk Group<br>Superficial Geology Worked Ground<br>Detail:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             | A7NE (SW)                              | 677                          | 11      | 563100<br>174100 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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|        | <b>Man-Made Mining Cavities</b><br>Easting: 562900<br>Northing: 174300<br>Distance: 788<br>Quadrant Reference: A12<br>Quadrant Reference: SW<br>Bearing Ref: W<br>Cavity Type: Historical Lime Kilns/Extensive Chalk Excavations-Potential Chalk Mining<br>Commodity: Chalk<br>Solid Geology Detail: Chalk Group<br>Superficial Geology Worked Ground<br>Detail: | A12SW (W)                              | 788                          | 11      | 562900<br>174300 |
|        | <b>Man-Made Mining Cavities</b><br>Easting: 564500<br>Northing: 174400<br>Distance: 806<br>Quadrant Reference: A14<br>Quadrant Reference: SE<br>Bearing Ref: E<br>Cavity Type: Adit Entry Chalk Mines<br>Commodity: Chalk<br>Solid Geology Detail: Chalk Group<br>Superficial Geology No Details<br>Detail:                                                      | A14SE (E)                              | 806                          | 11      | 564500<br>174400 |
|        | <b>Man-Made Mining Cavities</b><br>Easting: 562700<br>Northing: 174300<br>Distance: 985<br>Quadrant Reference: A12<br>Quadrant Reference: SW<br>Bearing Ref: W<br>Cavity Type: Historical Lime Kiln-Potential Chalk Mining<br>Commodity: Chalk<br>Solid Geology Detail: Chalk Group<br>Superficial Geology Worked Ground<br>Detail:                              | A12SW (W)                              | 985                          | 11      | 562700<br>174300 |
|        | <b>Non Coal Mining Areas of Great Britain</b><br>Risk: Rare<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                                                        | A13NW (N)                              | 0                            | 1       | 563684<br>174464 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                            | A13NW (N)                              | 0                            | 1       | 563684<br>174464 |
|        | <b>Potential for Collapsible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                           | A13NE (N)                              | 41                           | 1       | 563688<br>174509 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                          | A13NW (N)                              | 0                            | 1       | 563684<br>174464 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                           | A13NE (N)                              | 41                           | 1       | 563688<br>174509 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: High<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                               | A13NW (N)                              | 73                           | 1       | 563683<br>174541 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                           | A13NW (NW)                             | 83                           | 1       | 563606<br>174517 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                           | A13NE (E)                              | 120                          | 1       | 563811<br>174502 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                           | A13NW (NW)                             | 124                          | 1       | 563572<br>174540 |
|        | <b>Potential for Compressible Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                           | A13NE (NE)                             | 147                          | 1       | 563829<br>174528 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                                                                                                            | A13SW (SW)                             | 0                            | 1       | 563680<br>174456 |

| Map ID | Details                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13NW (N)                              | 0                            | 1       | 563684 174464 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13NE (N)                              | 41                           | 1       | 563688 174509 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13SW (S)                              | 77                           | 1       | 563660 174387 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service        | A13SE (S)                              | 117                          | 1       | 563686 174340 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service   | A13SE (S)                              | 118                          | 1       | 563706 174340 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service   | A13SW (S)                              | 122                          | 1       | 563659 174339 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13NW (NW)                             | 124                          | 1       | 563572 174540 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service  | A13NE (NE)                             | 147                          | 1       | 563829 174528 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service        | A13SW (S)                              | 166                          | 1       | 563625 174304 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service   | A13SE (SE)                             | 180                          | 1       | 563829 174343 |
|        | <b>Potential for Ground Dissolution Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service        | A13SE (SE)                             | 214                          | 1       | 563853 174318 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service    | A13NW (N)                              | 0                            | 1       | 563684 174464 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service     | A13NE (N)                              | 41                           | 1       | 563688 174509 |
|        | <b>Potential for Landslide Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service     | A13SE (S)                              | 142                          | 1       | 563693 174315 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N)                              | 0                            | 1       | 563684 174464 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service  | A13NE (N)                              | 41                           | 1       | 563688 174509 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service       | A13NW (N)                              | 73                           | 1       | 563683 174541 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service  | A13NW (NW)                             | 83                           | 1       | 563606 174517 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service  | A13NE (E)                              | 120                          | 1       | 563811 174502 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service  | A13NW (NW)                             | 124                          | 1       | 563572 174540 |
|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service       | A13SE (S)                              | 142                          | 1       | 563693 174315 |

| Map ID | Details                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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|        | <b>Potential for Running Sand Ground Stability Hazards</b><br>Hazard Potential: Moderate<br>Source: British Geological Survey, National Geoscience Information Service                                                                                                    | A13NE (NE)                             | 147                          | 1       | 563829 174528 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: No Hazard<br>Source: British Geological Survey, National Geoscience Information Service                                                                                     | A13NW (N)                              | 0                            | 1       | 563684 174464 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                           | A13NE (N)                              | 41                           | 1       | 563688 174509 |
|        | <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>Hazard Potential: Very Low<br>Source: British Geological Survey, National Geoscience Information Service                                                                                      | A13NW (NW)                             | 83                           | 1       | 563606 174517 |
|        | <b>Radon Potential - Radon Affected Areas</b><br>Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level).<br>Source: British Geological Survey, National Geoscience Information Service | A13NW (N)                              | 0                            | 1       | 563684 174464 |
|        | <b>Radon Potential - Radon Protection Measures</b><br>Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions<br>Source: British Geological Survey, National Geoscience Information Service                     | A13NW (N)                              | 0                            | 1       | 563684 174464 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Janta Fashion<br>Location: 45, Burch Road, Northfleet, Gravesend, Kent, DA11 9NE<br>Classification: Clothing & Fabrics - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                           | A13SW (SW)                             | 36                           | -       | 563661 174428 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Discount Tile Supplies<br>Location: 45, Burch Road, Northfleet, Gravesend, Kent, DA11 9NE<br>Classification: Ceramic Manufacturers, Supplies & Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                          | A13SW (SW)                             | 36                           | -       | 563661 174428 |
| 99     | <b>Contemporary Trade Directory Entries</b><br>Name: Janta Fashion<br>Location: 45, Burch Road, Northfleet, Gravesend, Kent, DA11 9NE<br>Classification: Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                                | A13SW (SW)                             | 36                           | -       | 563661 174428 |
| 100    | <b>Contemporary Trade Directory Entries</b><br>Name: The Dent Co<br>Location: Flat H, 1-3, Lansdowne Square, Northfleet, Gravesend, DA11 9LX<br>Classification: Car Body Repairs<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                        | A13SE (SE)                             | 44                           | -       | 563734 174442 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Tarmac Ltd<br>Location: Blue Circle House, The Shore, Northfleet, Gravesend, DA11 9AN<br>Classification: Sand, Gravel & Other Aggregates<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A13SW (W)                              | 53                           | -       | 563622 174445 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Tarmac<br>Location: Blue Circle House, The Shore, Northfleet, Gravesend, DA11 9AN<br>Classification: Cement Manufacturers & Distributors<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A13SW (W)                              | 53                           | -       | 563622 174445 |
| 101    | <b>Contemporary Trade Directory Entries</b><br>Name: Fleetmix Ltd<br>Location: Old Sun Wharf, Crete Hall Road, Gravesend, Kent, DA11 9AA<br>Classification: Concrete & Mortar Ready Mixed<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                               | A13NW (W)                              | 63                           | -       | 563613 174487 |
| 102    | <b>Contemporary Trade Directory Entries</b><br>Name: Sprint Engineering & Lubricants Ltd<br>Location: Unit G3, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Lubricant Manufacturers & Distributors<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address | A13SE (E)                              | 128                          | -       | 563823 174442 |
| 103    | <b>Contemporary Trade Directory Entries</b><br>Name: Screwfix<br>Location: West Mill, Imperial Business Park, Gravesend, Kent, DA11 0DL<br>Classification: Builders' Merchants<br><b>Status:</b> Active<br>Positional Accuracy: Manually positioned to the address or location                                                   | A13SE (SE)                             | 191                          | -       | 563842 174341 |
| 103    | <b>Contemporary Trade Directory Entries</b><br>Name: Howdens Joinery & Co<br>Location: Unit E2, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Builders' Merchants<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                 | A13SE (SE)                             | 192                          | -       | 563842 174340 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Postage Discount Ltd<br>Location: The White House, Clifton Marine Parade, GRAVESEND, Kent, DA11 0DY<br>Classification: Machinery - Industrial & Commercial<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                         | A13NE (E)                              | 228                          | -       | 563924 174478 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Conway<br>Location: The White House, Clifton Marine Parade, Gravesend, DA11 0DY<br>Classification: Asphalt & Macadam Suppliers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                   | A13NE (E)                              | 228                          | -       | 563924 174478 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                              | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Riverside Contract Cleaning Services Ltd<br>Location: The White House, Clifton Marine Pde, Gravesend, Kent, DA11 0DY<br>Classification: Cleaning Services - Commercial<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                        | A13NE (E)                              | 228                          | -       | 563924 174477 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Riverside Contract Cleaning Co Ltd<br>Location: The White House, Clifton Marine Parade, Gravesend, Kent, DA11 0DY<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                             | A13NE (E)                              | 228                          | -       | 563924 174478 |
| 104    | <b>Contemporary Trade Directory Entries</b><br>Name: Riverside Contract Cleaning Services Ltd<br>Location: The White House, Clifton Marine Parade, GRAVESEND, Kent, DA11 0DY<br>Classification: Commercial Cleaning Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                              | A13NE (E)                              | 228                          | -       | 563924 174478 |
| 105    | <b>Contemporary Trade Directory Entries</b><br>Name: Fleet Lifting Crane Hire<br>Location: Unit G3, The White House, Clifton Marine Pde, Imperial Bus Pk, Gravesend, Kent, DA11 0DY<br>Classification: Crane Hire, Sales & Service<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location | A13SE (E)                              | 230                          | -       | 563920 174410 |
| 106    | <b>Contemporary Trade Directory Entries</b><br>Name: Adawall Construction Chemicals Ltd<br>Location: Unit E1, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Chemicals - Distributors & Wholesalers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                    | A13SE (SE)                             | 240                          | -       | 563894 174328 |
| 107    | <b>Contemporary Trade Directory Entries</b><br>Name: Nationwide Crash Repair Centres Ltd<br>Location: Unit D1, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Car Body Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A13SE (SE)                             | 257                          | -       | 563857 174261 |
| 107    | <b>Contemporary Trade Directory Entries</b><br>Name: Creative Mouldings Ltd<br>Location: Unit B6, Imperial Business Estate, West Mill, GRAVESEND, Kent, DA11 0DL<br>Classification: Rubber & Plastic Products - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                             | A13SE (SE)                             | 269                          | -       | 563849 174240 |
| 107    | <b>Contemporary Trade Directory Entries</b><br>Name: Fire Protection Services<br>Location: Unit B7, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Firefighting Equipment<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                              | A13SE (SE)                             | 273                          | -       | 563858 174242 |
| 107    | <b>Contemporary Trade Directory Entries</b><br>Name: Industrial & Marine Systems Ltd<br>Location: Unit B9, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Control Panel Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                  | A13SE (SE)                             | 280                          | -       | 563875 174246 |
| 107    | <b>Contemporary Trade Directory Entries</b><br>Name: A 2 Domestic Appliance Services Ltd<br>Location: Unit B4, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Domestic Appliances - Servicing, Repairs & Parts<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address           | A13SE (SE)                             | 303                          | -       | 563858 174204 |
| 108    | <b>Contemporary Trade Directory Entries</b><br>Name: A E I Cables Ltd<br>Location: Crete Hall Road, Gravesend, Kent, DA11 9AF<br>Classification: Cable & Wire Equipment Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                                     | A13SW (SW)                             | 261                          | -       | 563438 174345 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 109    | <b>Contemporary Trade Directory Entries</b><br>Name: Reuse Thameswood C I C<br>Location: Crete Hall Rd, Gravesend, Kent, DA11 9AF<br>Classification: Recycling Centres<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                                      | A13SW (SW)                             | 284                          | -       | 563472 174260 |
| 109    | <b>Contemporary Trade Directory Entries</b><br>Name: Reuse Thameswood C L C<br>Location: Crete Hall Rd, Gravesend, Kent, DA11 9AF<br>Classification: Reclaiming - Waste Products<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                            | A13SW (SW)                             | 327                          | -       | 563432 174239 |
| 110    | <b>Contemporary Trade Directory Entries</b><br>Name: Locks 4 Vans<br>Location: Unit C4, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Lock Suppliers and Manufacturers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                           | A13SE (SE)                             | 297                          | -       | 563932 174285 |
| 111    | <b>Contemporary Trade Directory Entries</b><br>Name: Captivair Pneumatics Ltd<br>Location: Unit B2, Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Classification: Pneumatic Systems & Equipment<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                        | A13SE (SE)                             | 310                          | -       | 563876 174208 |
| 111    | <b>Contemporary Trade Directory Entries</b><br>Name: Thyssenkrupp Airport Services SI<br>Location: Unit B1, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Engineers - General<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                  | A13SE (SE)                             | 314                          | -       | 563885 174210 |
| 111    | <b>Contemporary Trade Directory Entries</b><br>Name: Star Refrigeration Ltd<br>Location: Unit A8, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Air Conditioning & Refrigeration Contractors<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address   | A13SE (SE)                             | 321                          | -       | 563878 174197 |
| 111    | <b>Contemporary Trade Directory Entries</b><br>Name: Star Refrigeration Ltd<br>Location: Unit A8, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Refrigerators & Freezers - Servicing & Repairs<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address   | A13SE (SE)                             | 321                          | -       | 563878 174197 |
| 111    | <b>Contemporary Trade Directory Entries</b><br>Name: Charlton Printing Works Ltd<br>Location: Unit A9, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Printers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                    | A13SE (SE)                             | 325                          | -       | 563887 174198 |
| 111    | <b>Contemporary Trade Directory Entries</b><br>Name: Coachwork Renovations<br>Location: C1-2, Unit, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Car Body Repairs<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                               | A13SE (SE)                             | 335                          | -       | 563921 174213 |
| 112    | <b>Contemporary Trade Directory Entries</b><br>Name: Harbert Floor Screeding Contractors<br>Location: Unit A5, Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Classification: Plaster Manufacturers & Suppliers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address       | A13SE (SE)                             | 311                          | -       | 563852 174191 |
| 112    | <b>Contemporary Trade Directory Entries</b><br>Name: Ava Pac Uk Ltd<br>Location: Unit A2, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Paper & Cardboard Products & Packaging - Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A13SE (SE)                             | 354                          | -       | 563886 174162 |
| 112    | <b>Contemporary Trade Directory Entries</b><br>Name: K N P Print<br>Location: Unit A2, Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Classification: Printers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                          | A13SE (SE)                             | 354                          | -       | 563885 174161 |

| Map ID | Details                                                                                                                                                                                                                                                                                                   | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 112    | <b>Contemporary Trade Directory Entries</b><br>Name: Gatliff Enterprises Ltd<br>Location: Unit A2, Imperial Business Estate, West Mill, Gravesend, Kent, DA11 0DL<br>Classification: Hardware<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address                  | A13SE (SE)                             | 354                          | -       | 563886 174162 |
| 112    | <b>Contemporary Trade Directory Entries</b><br>Name: Artisan Print Services Ltd<br>Location: Unit A2, Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Classification: Printers<br>Status: <b>Active</b><br>Positional Accuracy: Automatically positioned to the address                       | A13SE (SE)                             | 354                          | -       | 563885 174161 |
| 113    | <b>Contemporary Trade Directory Entries</b><br>Name: P R G Car & Van Sales<br>Location: 94, Pier Road, Northfleet, Gravesend, Kent, DA11 9NA<br>Classification: Car Dealers - Used<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A13SE (S)                              | 319                          | -       | 563781 174151 |
| 113    | <b>Contemporary Trade Directory Entries</b><br>Name: Wheels Gravesend Ltd<br>Location: 94, Pier Road, Northfleet, Gravesend, Kent, DA11 9NA<br>Classification: Car Dealers - Used<br>Status: <b>Active</b><br>Positional Accuracy: Automatically positioned to the address                                | A13SE (S)                              | 319                          | -       | 563781 174151 |
| 113    | <b>Contemporary Trade Directory Entries</b><br>Name: B S Hayre<br>Location: 108-110, London Road, Northfleet, Gravesend, Kent, DA11 9LZ<br>Classification: Gas - Industrial & Medical Suppliers<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address                | A13SE (S)                              | 344                          | -       | 563787 174127 |
| 114    | <b>Contemporary Trade Directory Entries</b><br>Name: Imperial Wharf<br>Location: The White Ho, Clifton Marine Pde, Gravesend, Kent, DA11 0DY<br>Classification: Ports, Docks & Harbours<br>Status: <b>Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location | A14NW (E)                              | 330                          | -       | 564026 174464 |
| 115    | <b>Contemporary Trade Directory Entries</b><br>Name: Ferol (UK)<br>Location: Unit 4, Imperial Business Est, East Mill, Gravesend, Kent, DA11 0DP<br>Classification: Engineering Machine Services<br>Status: <b>Inactive</b><br>Positional Accuracy: Manually positioned within the geographical locality  | A14SW (E)                              | 358                          | -       | 564032 174342 |
| 116    | <b>Contemporary Trade Directory Entries</b><br>Name: Chilton House Garage<br>Location: 128, London Road, Northfleet, Gravesend, Kent, DA11 9LE<br>Classification: Car Dealers - Used<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address                           | A8NW (SW)                              | 371                          | -       | 563521 174124 |
| 117    | <b>Contemporary Trade Directory Entries</b><br>Name: A & A Autos Ltd<br>Location: 100-102, London Road, Northfleet, Gravesend, Kent, DA11 9LY<br>Classification: Car Dealers - Used<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned in the proximity of the address           | A8NE (S)                               | 386                          | -       | 563827 174096 |
| 118    | <b>Contemporary Trade Directory Entries</b><br>Name: P J Office Services<br>Location: 72, London Road, Northfleet, Gravesend, Kent, DA11 9LF<br>Classification: Office Equipment Servicing & Maintenance<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address       | A8NW (S)                               | 407                          | -       | 563551 174074 |
| 118    | <b>Contemporary Trade Directory Entries</b><br>Name: P J Office Services Ltd<br>Location: 72, London Road, Northfleet, Gravesend, Kent, DA11 9LF<br>Classification: Office Equipment Servicing & Maintenance<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address   | A8NW (S)                               | 407                          | -       | 563551 174074 |
| 119    | <b>Contemporary Trade Directory Entries</b><br>Name: W J King Garages Ltd<br>Location: 40, Overcliffe, Gravesend, DA11 0EJ<br>Classification: Car Dealers<br>Status: <b>Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                      | A13SE (SE)                             | 426                          | -       | 563993 174157 |

| Map ID | Details                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 119    | <b>Contemporary Trade Directory Entries</b><br>Name: W J King<br>Location: 40, Overcliffe, Gravesend, Kent, DA11 0EJ<br>Classification: Car Dealers<br><b>Status: Active</b><br>Positional Accuracy: Manually positioned to the address or location                                                        | A13SE (SE)                             | 426                          | -       | 563993 174157 |
| 120    | <b>Contemporary Trade Directory Entries</b><br>Name: Gapp Motors<br>Location: 56, London Road, Northfleet, GRAVESEND, Kent, DA11 9LF<br>Classification: Car Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                             | A8NW (SW)                              | 454                          | -       | 563442 174071 |
| 120    | <b>Contemporary Trade Directory Entries</b><br>Name: Finest Autos<br>Location: 56 London Road, Northfleet, Gravesend, Kent, DA11 9LF<br>Classification: Car Dealers<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                               | A8NW (SW)                              | 455                          | -       | 563442 174070 |
| 120    | <b>Contemporary Trade Directory Entries</b><br>Name: J S B Motor Engineers<br>Location: Gravesend, DA11 9LF<br>Classification: Garage Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                                  | A8NW (SW)                              | 455                          | -       | 563442 174070 |
| 121    | <b>Contemporary Trade Directory Entries</b><br>Name: Johnson<br>Location: Care Of Asda, Imperial Retail Pk, Thames Way, Gravesend, Kent, DA11 0DQ<br>Classification: Dry Cleaners<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned within the geographical locality                  | A14SW (E)                              | 458                          | -       | 564149 174394 |
| 122    | <b>Contemporary Trade Directory Entries</b><br>Name: Ringway Specialist<br>Location: Crete Hall Road, GRAVESEND, Kent, DA11 9AA<br>Classification: Laboratories<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                 | A12SE (SW)                             | 466                          | -       | 563244 174277 |
| 123    | <b>Contemporary Trade Directory Entries</b><br>Name: Lennox Road Garage<br>Location: 8, Lennox Road, Gravesend, Kent, DA11 0EP<br>Classification: Car Body Repairs<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                              | A8NE (SE)                              | 495                          | -       | 563924 174020 |
| 124    | <b>Contemporary Trade Directory Entries</b><br>Name: Auto Care Fast Fit<br>Location: 48, London Road, Northfleet, Gravesend, Kent, DA11 9JR<br>Classification: Tyre Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                     | A8NW (SW)                              | 498                          | -       | 563366 174069 |
| 124    | <b>Contemporary Trade Directory Entries</b><br>Name: Autocare (Fastfit)<br>Location: 48, London Road, Northfleet, Gravesend, Kent, DA11 9JR<br>Classification: Tyre Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                     | A8NW (SW)                              | 498                          | -       | 563366 174069 |
| 124    | <b>Contemporary Trade Directory Entries</b><br>Name: Auto Care Fast Fit<br>Location: 48, London Road, Northfleet, Gravesend, Kent, DA11 9JR<br>Classification: Tyre Dealers<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                       | A8NW (SW)                              | 498                          | -       | 563366 174069 |
| 125    | <b>Contemporary Trade Directory Entries</b><br>Name: Nationwide<br>Location: Flat 1, 26, Overcliffe, Gravesend, Kent, DA11 0EH<br>Classification: Carpet, Curtain & Upholstery Cleaners<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the address or location                  | A9NW (SE)                              | 498                          | -       | 564033 174096 |
| 126    | <b>Contemporary Trade Directory Entries</b><br>Name: Arriva Kent Thameside<br>Location: Northfleet Garage, London Road, Northfleet, Gravesend, Kent, DA11 9JG<br>Classification: Bus & Coach Operators & Stations<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address | A8NW (S)                               | 506                          | -       | 563489 173991 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                 | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Comet Group Plc<br>Location: Unit B, Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address | A14SW (E)                              | 516                          | -       | 564211 174425 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Comet Group Plc<br>Location: Unit B, Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address | A14SW (E)                              | 516                          | -       | 564211 174425 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Comet<br>Location: Unit B, Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address           | A14SW (E)                              | 516                          | -       | 564211 174425 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Fleet Lifting<br>Location: The White House, Clifton Marine Parade, Gravesend, Kent, DA11 0DY<br>Classification: Crane Hire, Sales & Service<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned in the proximity of the address            | A14SW (E)                              | 544                          | -       | 564240 174454 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Appledore Packaging Ltd<br>Location: The White Ho, Clifton Marine Pde, Gravesend, Kent, DA11 0DY<br>Classification: Boxes & Cartons<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location              | A14SW (E)                              | 548                          | -       | 564244 174454 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: Garri-On-The-Rocks<br>Location: Flat 18, Baltic Wharf, Clifton Marine Parade, Gravesend, DA11 0DD<br>Classification: Packaging & Wrapping Equipment & Supplies<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address          | A14NW (E)                              | 568                          | -       | 564264 174471 |
| 127    | <b>Contemporary Trade Directory Entries</b><br>Name: C Crawley Ltd<br>Location: Baltic Wharf, Clifton Marine Pde, Gravesend, Kent, DA11 0DY<br>Classification: Ship Builders, Repairs & Fittings<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A14NW (E)                              | 568                          | -       | 564264 174471 |
| 128    | <b>Contemporary Trade Directory Entries</b><br>Name: Hortistructures<br>Location: 84, St. Marks Avenue, Northfleet, Gravesend, Kent, DA11 9LJ<br>Classification: Polythene & Plastic Sheeting Supplies<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                       | A8NW (S)                               | 559                          | -       | 563537 173920 |
| 129    | <b>Contemporary Trade Directory Entries</b><br>Name: Wickes<br>Location: Stuart Road, Gravesend, Kent, DA11 0BZ<br>Classification: Builders' Merchants<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                                         | A14SW (E)                              | 601                          | -       | 564283 174334 |
| 130    | <b>Contemporary Trade Directory Entries</b><br>Name: Asda Petrol<br>Location: Imperial Retail Park, Thames Way, Gravesend, Kent, DA11 0DQ<br>Classification: Petrol Filling Stations<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                         | A14SW (E)                              | 602                          | -       | 564258 174248 |
| 131    | <b>Contemporary Trade Directory Entries</b><br>Name: Avicare<br>Location: 54, Covesfield, Gravesend, Kent, DA11 0EG<br>Classification: Pest & Vermin Control<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                                   | A8NE (S)                               | 609                          | -       | 563816 173861 |
| 132    | <b>Contemporary Trade Directory Entries</b><br>Name: Artisan Engineering Ltd<br>Location: Northfleet Mill, Crete Hall Road, Gravesend, Kent, DA11 9AD<br>Classification: Engineers - General<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                   | A12SW (W)                              | 682                          | -       | 562993 174390 |

| Map ID | Details                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 133    | <b>Contemporary Trade Directory Entries</b><br>Name: Lay Construction<br>Location: Clifton Slipway, West St, Gravesend, Kent, DA11 0BW<br>Classification: Boatbuilders & Repairers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                | A14SE (E)                              | 700                          | -       | 564396 174442 |
| 134    | <b>Contemporary Trade Directory Entries</b><br>Name: Ilics Ltd<br>Location: 6 Overcliffe, Gravesend, Kent, DA11 0HJ<br>Classification: Industrial Engineers<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned within the geographical locality                                          | A9NW (SE)                              | 702                          | -       | 564305 174115 |
| 134    | <b>Contemporary Trade Directory Entries</b><br>Name: I I C S Ltd<br>Location: Ground Floor Front 6, St James House, 6-8, Overcliffe, Gravesend, DA11 0HJ<br>Classification: Industrial Engineers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                    | A9NW (SE)                              | 702                          | -       | 564305 174115 |
| 134    | <b>Contemporary Trade Directory Entries</b><br>Name: Cablon Machinery Ltd<br>Location: St. James House, 6-8, Overcliffe, Gravesend, Kent, DA11 0EF<br>Classification: Cable & Wire Equipment Manufacturers<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location | A9NW (SE)                              | 702                          | -       | 564305 174115 |
| 135    | <b>Contemporary Trade Directory Entries</b><br>Name: Bfh Group Ltd<br>Location: Suite 1, Lindfield House, Stuart Road, Gravesend, Kent, DA11 0BZ<br>Classification: Waste Disposal Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                | A14SE (E)                              | 727                          | -       | 564399 174277 |
| 135    | <b>Contemporary Trade Directory Entries</b><br>Name: Sterile Technologies Group<br>Location: Lingfield House, Stuart Rd, Gravesend, Kent, DA11 0BZ<br>Classification: Waste Disposal Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location              | A14SE (E)                              | 727                          | -       | 564398 174276 |
| 135    | <b>Contemporary Trade Directory Entries</b><br>Name: Sterile Technologies<br>Location: Lingfield House, Stuart Rd, Gravesend, Kent, DA11 0BZ<br>Classification: Medical Waste Disposal<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the address or location                     | A14SE (E)                              | 727                          | -       | 564398 174276 |
| 135    | <b>Contemporary Trade Directory Entries</b><br>Name: Discount Builders Merchants<br>Location: Stuart Road, Gravesend, Kent, DA11 0BY<br>Classification: Builders' Merchants<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                       | A14SE (E)                              | 728                          | -       | 564393 174254 |
| 136    | <b>Contemporary Trade Directory Entries</b><br>Name: Costech Elite<br>Location: 1, Overcliffe, Gravesend, Kent, DA11 0EF<br>Classification: Medical & Dental Laboratories<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                         | A14SE (E)                              | 748                          | -       | 564390 174186 |
| 136    | <b>Contemporary Trade Directory Entries</b><br>Name: Dental Serve.Net<br>Location: 1, Overcliffe, Gravesend, Kent, DA11 0EF<br>Classification: Medical & Dental Laboratories<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                      | A14SE (E)                              | 748                          | -       | 564390 174186 |
| 137    | <b>Contemporary Trade Directory Entries</b><br>Name: Kleanteam<br>Location: 42, Lennox Road, Gravesend, Kent, DA11 0ER<br>Classification: Carpet, Curtain & Upholstery Cleaners<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                   | A8SE (S)                               | 773                          | -       | 563975 173738 |
| 138    | <b>Contemporary Trade Directory Entries</b><br>Name: M & T M Freight<br>Location: Southern Lodge, Tilbury Freeport, Tilbury, RM18 7EH<br>Classification: Freight Forwarders<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                       | A17SE (NW)                             | 776                          | -       | 563272 175133 |

| Map ID | Details                                                                                                                                                                                                                                                                           | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 139    | <b>Contemporary Trade Directory Entries</b><br>Name: Jewels Tours<br>Location: 56, New Road, Gravesend, Kent, DA11 0AD<br>Classification: Bus & Coach Operators & Stations<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address               | A14SE (E)                              | 813                          | -       | 564452 174163 |
| 140    | <b>Contemporary Trade Directory Entries</b><br>Name: Gravesend Community Hospital<br>Location: Bath Street, Gravesend, Kent, DA11 0DG<br>Classification: Hospitals<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                       | A14SE (E)                              | 829                          | -       | 564493 174235 |
| 141    | <b>Contemporary Trade Directory Entries</b><br>Name: Watling Tyre Service Ltd<br>Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN<br>Classification: Garage Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address              | A9NE (SE)                              | 830                          | -       | 564361 173968 |
| 141    | <b>Contemporary Trade Directory Entries</b><br>Name: Watling Tyre Service Ltd<br>Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN<br>Classification: Tyre Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                 | A9NE (SE)                              | 830                          | -       | 564361 173968 |
| 141    | <b>Contemporary Trade Directory Entries</b><br>Name: Motorcade<br>Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN<br>Classification: Car Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                 | A9NE (SE)                              | 830                          | -       | 564361 173968 |
| 141    | <b>Contemporary Trade Directory Entries</b><br>Name: Car Select Of Northfleet<br>Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN<br>Classification: Car Dealers - Used<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address           | A9NE (SE)                              | 830                          | -       | 564361 173968 |
| 141    | <b>Contemporary Trade Directory Entries</b><br>Name: Watling Tyres<br>Location: 1-3, Pelham Road, Gravesend, Kent, DA11 0HN<br>Classification: Tyre Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                            | A9NE (SE)                              | 830                          | -       | 564361 173968 |
| 142    | <b>Contemporary Trade Directory Entries</b><br>Name: Computertel Ltd<br>Location: 52, Bath Street, GRAVESEND, Kent, DA11 0DF<br>Classification: Telecommunications Equipment & Systems<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address | A14SE (E)                              | 832                          | -       | 564526 174404 |
| 142    | <b>Contemporary Trade Directory Entries</b><br>Name: Autumn Engineering Co Ltd<br>Location: 58, Bath Street, Gravesend, Kent, DA11 0DF<br>Classification: Engineers - General<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address            | A14SE (E)                              | 832                          | -       | 564526 174404 |
| 142    | <b>Contemporary Trade Directory Entries</b><br>Name: R W Transport Ltd<br>Location: 56, Bath Street, Gravesend, Kent, DA11 0DF<br>Classification: Road Haulage Services<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                | A14SE (E)                              | 832                          | -       | 564526 174404 |
| 143    | <b>Contemporary Trade Directory Entries</b><br>Name: Builder Center<br>Location: Dover Road, Northfleet, Gravesend, Kent, DA11 9QJ<br>Classification: Builders' Merchants<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address              | A7SE (SW)                              | 847                          | -       | 563335 173685 |
| 143    | <b>Contemporary Trade Directory Entries</b><br>Name: Travis Perkins Plc<br>Location: Thames Way, Northfleet, Gravesend, DA11 9QJ<br>Classification: Builders' Merchants<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                | A7SE (SW)                              | 849                          | -       | 563334 173684 |

| Map ID | Details                                                                                                                                                                                                                                                                                                            | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 143    | <b>Contemporary Trade Directory Entries</b><br>Name: Travis Perkins Plc<br>Location: Thames Way, Northfleet, Gravesend, DA11 9QJ<br>Classification: Builders' Merchants<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                   | A7SE (SW)                              | 849                          | -       | 563334<br>173684 |
| 144    | <b>Contemporary Trade Directory Entries</b><br>Name: Treadwell<br>Location: 1, St. James's Road, Gravesend, Kent, DA11 0HF<br>Classification: Tyre Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                              | A9NE (SE)                              | 854                          | -       | 564429<br>174027 |
| 145    | <b>Contemporary Trade Directory Entries</b><br>Name: Ringside Plumbing<br>Location: 24, Five Ash Road, Gravesend, Kent, DA11 0RE<br>Classification: Boilers - Servicing, Replacements & Repairs<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                         | A8SW (S)                               | 856                          | -       | 563602<br>173606 |
| 146    | <b>Contemporary Trade Directory Entries</b><br>Name: Cars Select<br>Location: 4-5, Barrack Row, Gravesend, Kent, DA11 0RT<br>Classification: Car Dealers - Used<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                         | A9NE (SE)                              | 897                          | -       | 564511<br>174091 |
| 146    | <b>Contemporary Trade Directory Entries</b><br>Name: Aw Commercial<br>Location: 5, Barrack Row, Gravesend, Kent, DA11 0RT<br>Classification: Commercial Vehicle Dealers<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the address or location                                          | A9NE (SE)                              | 901                          | -       | 564516<br>174091 |
| 147    | <b>Contemporary Trade Directory Entries</b><br>Name: Mostell<br>Location: Berth, 29-30, Tilbury Freeport, TILBURY, Essex, RM18 7SX<br>Classification: Frozen Food Processors & Distributors<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                             | A18NE (N)                              | 904                          | -       | 563772<br>175368 |
| 147    | <b>Contemporary Trade Directory Entries</b><br>Name: Tilbury Coldstore<br>Location: Berth, 29-30, Tilbury Freeport, Tilbury, RM18 7SX<br>Classification: Road Haulage Services<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                            | A18NE (N)                              | 904                          | -       | 563772<br>175368 |
| 148    | <b>Contemporary Trade Directory Entries</b><br>Name: Eurostar Laundrycare<br>Location: 27, Darnley Road, Gravesend, Kent, DA11 0RZ<br>Classification: Dry Cleaners<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                      | A9NE (SE)                              | 915                          | -       | 564451<br>173947 |
| 149    | <b>Contemporary Trade Directory Entries</b><br>Name: Klick<br>Location: 42, Kempthorne Street, St. Georges Centre, Gravesend, Kent, DA11 0TA<br>Classification: Photographic Processors<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                 | A14SE (E)                              | 926                          | -       | 564579<br>174184 |
| 150    | <b>Contemporary Trade Directory Entries</b><br>Name: Bodytech<br>Location: Unit 2-3 Clifton Slipways, West St, Gravesend, Kent, DA11 0BW<br>Classification: Car Body Repairs<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the road within the address or location                     | A14SE (E)                              | 931                          | -       | 564627<br>174428 |
| 151    | <b>Contemporary Trade Directory Entries</b><br>Name: The Car Sourcing Company<br>Location: 18, Mariners Way, Gravesend, DA11 9EP<br>Classification: Car Dealers<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                                           | A7SE (SW)                              | 931                          | -       | 563078<br>173746 |
| 152    | <b>Contemporary Trade Directory Entries</b><br>Name: Currys<br>Location: 35-36, Kempthorne Street, St. Georges Centre, Gravesend, Kent, DA11 0TA<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address | A14SE (E)                              | 943                          | -       | 564608<br>174225 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 152    | <b>Contemporary Trade Directory Entries</b><br>Name: Currys Digital<br>Location: 24, Wakefield Street, St. Georges Centre, Gravesend, Kent, DA11 0TD<br>Classification: Electrical Goods Sales, Manufacturers & Wholesalers<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address | A14SE (E)                              | 972                          | -       | 564631 174198 |
| 153    | <b>Contemporary Trade Directory Entries</b><br>Name: Star Service Stations<br>Location: 68, Pelham Road, Gravesend, Kent, DA11 0JB<br>Classification: Petrol Filling Stations<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                               | A9SW (SE)                              | 950                          | -       | 564054 173579 |
| 154    | <b>Contemporary Trade Directory Entries</b><br>Name: Care Automobile Repair Ltd<br>Location: 45 Darnley Road, Gravesend, Kent, DA11 0SD<br>Classification: Garage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                    | A9NE (SE)                              | 951                          | -       | 564403 173827 |
| 154    | <b>Contemporary Trade Directory Entries</b><br>Name: A B C Car Repairs<br>Location: 45, Darnley Road, Gravesend, Kent, DA11 0SD<br>Classification: Garage Services<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                          | A9NE (SE)                              | 952                          | -       | 564404 173827 |
| 154    | <b>Contemporary Trade Directory Entries</b><br>Name: Luke'S Tyres<br>Location: Spencer Street, Gravesend, Kent, DA11 0PT<br>Classification: Tyre Dealers<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                                      | A9NE (SE)                              | 961                          | -       | 564414 173825 |
| 155    | <b>Contemporary Trade Directory Entries</b><br>Name: Electrolysis Gravesend<br>Location: 72, Granville Road, Gravesend, Kent, DA11 0JS<br>Classification: Electrolysis<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                      | A8SE (S)                               | 955                          | -       | 563750 173503 |
| 155    | <b>Contemporary Trade Directory Entries</b><br>Name: J S M Haulage Ltd<br>Location: 89, Havelock Road, Gravesend, Kent, DA11 0JL<br>Classification: Road Haulage Services<br><b>Status:</b> Active<br>Positional Accuracy: Automatically positioned to the address                                                     | A8SE (S)                               | 972                          | -       | 563711 173486 |
| 156    | <b>Contemporary Trade Directory Entries</b><br>Name: Mr Pad<br>Location: 77, Dover Road East, Gravesend, Kent, DA11 0RB<br>Classification: Brake & Clutch Service Centres<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                   | A8SW (S)                               | 957                          | -       | 563401 173544 |
| 157    | <b>Contemporary Trade Directory Entries</b><br>Name: Jeftronics<br>Location: 200 Granville rd, Gravesend, Kent, DA11 0JT<br>Classification: Electrical goods - servicing & repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Manually positioned to the road within the address or location                   | A8SE (S)                               | 968                          | -       | 563820 173498 |
| 157    | <b>Contemporary Trade Directory Entries</b><br>Name: 1st For Quality Carpet Cleaning<br>Location: 58, Granville Road, Gravesend, Kent, DA11 0JT<br>Classification: Carpet, Curtain & Upholstery Cleaners<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                    | A8SE (S)                               | 971                          | -       | 563791 173491 |
| 157    | <b>Contemporary Trade Directory Entries</b><br>Name: Chipsaway<br>Location: 54, Granville Road, Gravesend, Kent, DA11 0JT<br>Classification: Car Body Repairs<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                                               | A8SE (S)                               | 976                          | -       | 563799 173487 |
| 158    | <b>Contemporary Trade Directory Entries</b><br>Name: Lambert Scaffolding<br>Location: 4, Plane Avenue, Northfleet, Gravesend, Kent, DA11 9QB<br>Classification: Scaffolding & Work Platforms<br><b>Status:</b> Inactive<br>Positional Accuracy: Automatically positioned to the address                                | A7NW (SW)                              | 976                          | -       | 562883 173887 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                    | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 159    | <b>Contemporary Trade Directory Entries</b><br>Name: Venesta<br>Location: 19-20, Kempthorne Street, St. Georges Centre, Gravesend, DA11 0TA<br>Classification: Bathroom Fixtures - Manufacturers<br><b>Status: Active</b><br>Positional Accuracy: Automatically positioned to the address                                  | A14SE (E)                              | 983                          | -       | 564659<br>174268 |
| 160    | <b>Contemporary Trade Directory Entries</b><br>Name: Jigsaw Health<br>Location: 5, Stanbrook Road, Gravesend, Kent, DA11 0JW<br>Classification: Precision Engineers<br><b>Status: Inactive</b><br>Positional Accuracy: Automatically positioned to the address                                                             | A8SW (S)                               | 985                          | -       | 563590<br>173477 |
| 160    | <b>Contemporary Trade Directory Entries</b><br>Name: Dedicated Cleaning Services Ltd<br>Location: 54-56, Dover Road East, Gravesend, Kent, DA11 0RG<br>Classification: Cleaning Services - Commercial<br><b>Status: Inactive</b><br>Positional Accuracy: Manually positioned to the address or location                    | A8SW (S)                               | 999                          | -       | 563566<br>173466 |
| 161    | <b>Fuel Station Entries</b><br>Name: Chilton House Garage<br>Location: 128, London Road, Northfleet, Gravesend, Kent, DA11 9LE<br>Brand: Total<br>Premises Type: Not Applicable<br><b>Status: Obsolete</b><br>Positional Accuracy: Automatically positioned to the address                                                 | A8NW (SW)                              | 371                          | -       | 563521<br>174123 |
| 162    | <b>Fuel Station Entries</b><br>Name: Asda Gravesend Automat<br>Location: Thames Way, Gravesend, Kent, DA11 0DQ<br>Brand: Asda<br>Premises Type: Hypermarket<br><b>Status: Open</b><br>Positional Accuracy: Manually positioned to the address or location                                                                  | A14SW (SE)                             | 417                          | -       | 564041<br>174231 |
| 163    | <b>Points of Interest - Commercial Services</b><br>Name: Wincanton<br>Location: Blue Circle House, The Shore, Northfleet, Gravesend, DA11 9AN<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location                               | A13SW (W)                              | 53                           | 12      | 563621<br>174445 |
| 164    | <b>Points of Interest - Commercial Services</b><br>Name: Sprint Engineering & Lubricant<br>Location: Unit G3 Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location       | A13SE (E)                              | 128                          | 12      | 563823<br>174442 |
| 165    | <b>Points of Interest - Commercial Services</b><br>Name: Arrowsped Logistics<br>Location: The White House, Clifton Marine Parade, Gravesend, DA11 0DY<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location                       | A13NE (E)                              | 228                          | 12      | 563924<br>174478 |
| 166    | <b>Points of Interest - Commercial Services</b><br>Name: K T Accident Repair Centre Ltd<br>Location: Unit D1 Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location     | A13SE (SE)                             | 257                          | 12      | 563857<br>174261 |
| 166    | <b>Points of Interest - Commercial Services</b><br>Name: Nationwide Crash Repair Centre Ltd<br>Location: Unit D1 Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13SE (SE)                             | 257                          | 12      | 563857<br>174261 |
| 166    | <b>Points of Interest - Commercial Services</b><br>Name: Coachwork Renovations<br>Location: C1-2 Unit Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location            | A13SE (SE)                             | 335                          | 12      | 563921<br>174213 |

| Map ID | Details                                                                                                                                                                                                                                                                                                          | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 166    | <b>Points of Interest - Commercial Services</b><br>Name: Coachwork Renovations<br>Location: Unit C1-C2 Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13SE (SE)                             | 335                          | 12      | 563921 174213 |
| 166    | <b>Points of Interest - Commercial Services</b><br>Name: Coachwork Renovations<br>Location: Unit C1-C2 Imperial Business Estate, West Mill, Gravesend, DA11 0DL<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location | A13SE (SE)                             | 336                          | 12      | 563920 174212 |
| 167    | <b>Points of Interest - Commercial Services</b><br>Name: Chilton House Garage<br>Location: 128 London Road, Northfleet, Gravesend, DA11 9LE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                     | A8NW (SW)                              | 371                          | 12      | 563521 174124 |
| 167    | <b>Points of Interest - Commercial Services</b><br>Name: Chilton House Garage<br>Location: 128 London Road, Northfleet, Gravesend, DA11 9LE<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                     | A8NW (SW)                              | 371                          | 12      | 563521 174124 |
| 167    | <b>Points of Interest - Commercial Services</b><br>Name: Car Wash<br>Location: 128 London Road, Northfleet, Gravesend, DA11 9LE<br>Category: Personal, Consumer and other Services<br>Class Code: Vehicle Cleaning Services<br>Positional Accuracy: Positioned to address or location                            | A8NW (SW)                              | 371                          | 12      | 563521 174123 |
| 168    | <b>Points of Interest - Commercial Services</b><br>Name: W J King Garages Ltd<br>Location: 40 Overcliffe, Gravesend, DA11 0EJ<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                                   | A13SE (SE)                             | 426                          | 12      | 563993 174157 |
| 169    | <b>Points of Interest - Commercial Services</b><br>Name: J S B Motor Engineers<br>Location: 56 London Road, Northfleet, Gravesend, DA11 9LF<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                     | A8NW (SW)                              | 454                          | 12      | 563442 174071 |
| 169    | <b>Points of Interest - Commercial Services</b><br>Name: J S B Motor Engineers<br>Location: 56 London Road, Northfleet, Gravesend, DA11 9LF<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                     | A8NW (SW)                              | 455                          | 12      | 563442 174070 |
| 170    | <b>Points of Interest - Commercial Services</b><br>Name: Avicare<br>Location: 54 Covesfield, Gravesend, DA11 0EG<br>Category: Contract Services<br>Class Code: Pest and Vermin Control<br>Positional Accuracy: Positioned to address or location                                                                 | A8NE (S)                               | 609                          | 12      | 563815 173861 |
| 171    | <b>Points of Interest - Commercial Services</b><br>Name: Thameswharfinger Co Ltd<br>Location: Northfleet Mill, Crete Hall Road, Gravesend, DA11 9AD<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location               | A12SW (W)                              | 682                          | 12      | 562993 174390 |
| 172    | <b>Points of Interest - Commercial Services</b><br>Name: Watling Tyre Service Ltd<br>Location: 1-3 Pelham Road, Gravesend, DA11 0HN<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                             | A9NE (SE)                              | 830                          | 12      | 564361 173968 |
| 173    | <b>Points of Interest - Commercial Services</b><br>Name: R W Transport Ltd<br>Location: 56 Bath Street, Gravesend, DA11 0DF<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location                                       | A14SE (E)                              | 831                          | 12      | 564525 174404 |

| Map ID | Details                                                                                                                                                                                                                                                                                       | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 174    | <b>Points of Interest - Commercial Services</b><br>Name: Tilbury Coldstore<br>Location: Berth 29-30, Tilbury Freeport, Tilbury, RM18 7SX<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location       | A18NE (N)                              | 903                          | 12      | 563771<br>175367 |
| 175    | <b>Points of Interest - Commercial Services</b><br>Name: A W Commercials<br>Location: 5a Barrack Row, Gravesend, DA11 0RT<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                    | A9NE (SE)                              | 927                          | 12      | 564534<br>174068 |
| 176    | <b>Points of Interest - Commercial Services</b><br>Name: Care Automobile Repair Ltd<br>Location: 45 Darnley Road, Gravesend, DA11 0SD<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location        | A9NE (SE)                              | 951                          | 12      | 564403<br>173827 |
| 177    | <b>Points of Interest - Commercial Services</b><br>Name: Pelham Safety Services Ltd<br>Location: 14 Pelham Terrace, Gravesend, DA11 0JJ<br>Category: Recycling Services<br>Class Code: Recycling, Reclamation and Disposal<br>Positional Accuracy: Positioned to address or location          | A8SE (S)                               | 959                          | 12      | 563875<br>173516 |
| 177    | <b>Points of Interest - Commercial Services</b><br>Name: Chipsaway<br>Location: 54 Granville Road, Gravesend, DA11 0JT<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location                       | A8SE (S)                               | 976                          | 12      | 563799<br>173487 |
| 178    | <b>Points of Interest - Commercial Services</b><br>Name: Sheriff Locks Ltd<br>Location: 89 Dover Road East, Gravesend, DA11 0RB<br>Category: Repair and Servicing<br>Class Code: Vehicle Repair, Testing and Servicing<br>Positional Accuracy: Positioned to address or location              | A8SW (S)                               | 960                          | 12      | 563380<br>173548 |
| 179    | <b>Points of Interest - Commercial Services</b><br>Name: J S M Haulage Ltd<br>Location: 89 Havelock Road, Gravesend, DA11 0JL<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location                  | A8SE (S)                               | 972                          | 12      | 563710<br>173485 |
| 180    | <b>Points of Interest - Commercial Services</b><br>Name: Ontime Automotive<br>Location: Riverside House, Riverside Approach, Tilbury, RM18 7DL<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A19NW (NE)                             | 991                          | 12      | 564197<br>175320 |
| 180    | <b>Points of Interest - Commercial Services</b><br>Name: Ontime Automotive<br>Location: Riverside House, Riverside Approach, Tilbury, RM18 7DL<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location | A19NW (NE)                             | 991                          | 12      | 564197<br>175320 |
| 180    | <b>Points of Interest - Commercial Services</b><br>Name: E C M<br>Location: Riverside House, Riverside Approach, Tilbury, RM18 7DL<br>Category: Transport, Storage and Delivery<br>Class Code: Distribution and Haulage<br>Positional Accuracy: Positioned to address or location             | A19NW (NE)                             | 991                          | 12      | 564197<br>175320 |
| 181    | <b>Points of Interest - Education and Health</b><br>Name: Gravesham Community Hospital<br>Location: Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                  | A14SE (E)                              | 829                          | 12      | 564492<br>174234 |
| 181    | <b>Points of Interest - Education and Health</b><br>Name: Health Administration Building<br>Location: Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                | A14SE (E)                              | 829                          | 12      | 564493<br>174235 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                      | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 181    | <b>Points of Interest - Education and Health</b><br>Name: Gravesham Community Hospital<br>Location: Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                                                 | A14SE (E)                              | 829                          | 12      | 564493 174235 |
| 181    | <b>Points of Interest - Education and Health</b><br>Name: Gravesham Community Hospital<br>Location: Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                                                 | A14SE (E)                              | 829                          | 12      | 564493 174235 |
| 181    | <b>Points of Interest - Education and Health</b><br>Name: Gravesham Community Hospital<br>Location: Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                                                 | A14SE (E)                              | 829                          | 12      | 564493 174235 |
| 181    | <b>Points of Interest - Education and Health</b><br>Name: Gravesham Community Hospital<br>Location: Sapphire Unit The Gravesham Community Hospital, Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location | A14SE (E)                              | 838                          | 12      | 564501 174231 |
| 181    | <b>Points of Interest - Education and Health</b><br>Name: Gravesham Community Hospital<br>Location: Bath Street, Gravesend, DA11 0DG<br>Category: Health Practitioners and Establishments<br>Class Code: Hospitals<br>Positional Accuracy: Positioned to address or location                                                 | A14SE (E)                              | 839                          | 12      | 564502 174231 |
| 182    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                                       | A13SW (SW)                             | 44                           | 12      | 563659 174420 |
| 182    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                                               | A13SW (SW)                             | 44                           | 12      | 563659 174420 |
| 182    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                               | A13SE (S)                              | 83                           | 12      | 563698 174374 |
| 183    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                               | A13SW (S)                              | 69                           | 12      | 563669 174391 |
| 183    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                                               | A13SW (SW)                             | 134                          | 12      | 563611 174343 |
| 183    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                                                       | A13SW (SW)                             | 135                          | 12      | 563611 174342 |
| 183    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                               | A13SW (S)                              | 171                          | 12      | 563672 174287 |

| Map ID | Details                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 184    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                 | A13SW (W)                              | 134                          | 12      | 563539<br>174441 |
| 184    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                         | A13SW (W)                              | 134                          | 12      | 563539<br>174442 |
| 185    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Imperial Business Park<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A13SE (SE)                             | 232                          | 12      | 563899<br>174352 |
| 185    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Imperial Business Park<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to an adjacent address or location | A13SE (SE)                             | 239                          | 12      | 563908<br>174355 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A13NE (E)                              | 279                          | 12      | 563975<br>174482 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tanks<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                        | A13NE (E)                              | 290                          | 12      | 563986<br>174475 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A13NE (E)                              | 301                          | 12      | 563997<br>174481 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A13NE (E)                              | 314                          | 12      | 564010<br>174484 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A13NE (E)                              | 315                          | 12      | 564011<br>174485 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A14NW (E)                              | 326                          | 12      | 564022<br>174483 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A14NW (E)                              | 337                          | 12      | 564033<br>174484 |
| 186    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                     | A14NW (E)                              | 347                          | 12      | 564043<br>174484 |

| Map ID | Details                                                                                                                                                                                                                                                         | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 187    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                  | A13SW (SW)                             | 318                          | 12      | 563386<br>174321 |
| 187    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location          | A12SE (W)                              | 346                          | 12      | 563337<br>174372 |
| 187    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                  | A12SE (W)                              | 353                          | 12      | 563331<br>174370 |
| 187    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tanks<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                 | A12SE (W)                              | 362                          | 12      | 563317<br>174389 |
| 188    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location          | A13SW (SW)                             | 335                          | 12      | 563453<br>174208 |
| 188    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location          | A13SW (SW)                             | 336                          | 12      | 563453<br>174207 |
| 189    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                  | A13SW (SW)                             | 387                          | 12      | 563351<br>174246 |
| 190    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Chalk Pit (Disused)<br>Location: DA11<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to an adjacent address or location | A8NE (S)                               | 609                          | 12      | 563849<br>173869 |
| 191    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Port of Tilbury Turbine<br>Location: RM18<br>Category: Industrial Features<br>Class Code: Energy Production<br>Positional Accuracy: Positioned to address or location                         | A18NW (N)                              | 690                          | 12      | 563636<br>175157 |
| 192    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location          | A7NE (SW)                              | 710                          | 12      | 563108<br>174030 |
| 193    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Chalk Pit (Disused)<br>Location: DA11<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to an adjacent address or location | A8SE (S)                               | 788                          | 12      | 563854<br>173686 |
| 194    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Port of Tilbury Turbine<br>Location: RM18<br>Category: Industrial Features<br>Class Code: Energy Production<br>Positional Accuracy: Positioned to address or location                         | A19NW (NE)                             | 810                          | 12      | 564111<br>175161 |

| Map ID | Details                                                                                                                                                                                                                                                                                  | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
|--------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------|------------------------------|---------|------------------|
| 194    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tilbury Docks - Wind Onshore (DECC)<br>Location: Tilbury Docks, Tilbury, RM18<br>Category: Industrial Features<br>Class Code: Energy Production<br>Positional Accuracy: Positioned to address or location              | A19NW (NE)                             | 811                          | 12      | 564112<br>175162 |
| 195    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Joynes House<br>Location: Joynes House, New Road, Gravesend, DA11 0AT<br>Category: Industrial Features<br>Class Code: Business Parks and Industrial Estates<br>Positional Accuracy: Positioned to address or location  | A9NE (SE)                              | 810                          | 12      | 564426<br>174114 |
| 196    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Port of Tilbury<br>Location: Thames Riverbank, Thurrock, RM18<br>Category: Industrial Features<br>Class Code: Energy Production<br>Positional Accuracy: Positioned to an adjacent address or location                  | A18NW (N)                              | 832                          | 12      | 563377<br>175246 |
| 197    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                           | A9NW (SE)                              | 839                          | 12      | 564294<br>173874 |
| 198    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                           | A9NE (SE)                              | 898                          | 12      | 564517<br>174102 |
| 199    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                           | A8SW (S)                               | 904                          | 12      | 563493<br>173575 |
| 199    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Works<br>Location: Not Supplied<br>Category: Industrial Features<br>Class Code: Unspecified Works Or Factories<br>Positional Accuracy: Positioned to an adjacent address or location                                   | A8SW (S)                               | 905                          | 12      | 563493<br>173574 |
| 200    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Port of Tilbury Turbine<br>Location: RM18<br>Category: Industrial Features<br>Class Code: Energy Production<br>Positional Accuracy: Positioned to address or location                                                  | A17NE (NW)                             | 942                          | 12      | 563036<br>175162 |
| 201    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                                       | A12NW (W)                              | 949                          | 12      | 562735<br>174616 |
| 201    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tanks<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to an adjacent address or location                                                          | A12NW (W)                              | 953                          | 12      | 562730<br>174613 |
| 201    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Tank<br>Location: DA11<br>Category: Industrial Features<br>Class Code: Tanks (Generic)<br>Positional Accuracy: Positioned to address or location                                                                       | A12NW (W)                              | 954                          | 12      | 562730<br>174617 |
| 202    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Executive Marble Polishing<br>Location: 19 The Avenue, Gravesend, DA11 0NA<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to address or location | A9SW (SE)                              | 962                          | 12      | 564256<br>173679 |

| Map ID | Details                                                                                                                                                                                                                                                                                                                                        | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR              |
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| 202    | <b>Points of Interest - Manufacturing and Production</b><br>Name: Executive Bath Marble Polishing Ltd<br>Location: 19 The Avenue, Gravesend, DA11 0NA<br>Category: Extractive Industries<br>Class Code: Stone Quarrying and Preparation<br>Positional Accuracy: Positioned to address or location                                              | A9SW (SE)                              | 962                          | 12      | 564256<br>173679 |
| 203    | <b>Points of Interest - Public Infrastructure</b><br>Name: Tarmac<br>Location: Blue Circle House, The Shore, Northfleet, Gravesend, DA11 9AN<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location                                        | A13SW (W)                              | 53                           | 12      | 563622<br>174445 |
| 204    | <b>Points of Interest - Public Infrastructure</b><br>Name: Outfall<br>Location: DA11<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                    | A13NW (W)                              | 312                          | 12      | 563361<br>174495 |
| 204    | <b>Points of Interest - Public Infrastructure</b><br>Name: Outfall<br>Location: DA11<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location                                                                                    | A13NW (W)                              | 317                          | 12      | 563356<br>174495 |
| 205    | <b>Points of Interest - Public Infrastructure</b><br>Name: Chilton House Garage<br>Location: 128 London Road, Northfleet, Gravesend, DA11 9LE<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                                                     | A8NW (SW)                              | 371                          | 12      | 563521<br>174124 |
| 205    | <b>Points of Interest - Public Infrastructure</b><br>Name: Chilton House Garage<br>Location: 128 London Road, Northfleet, Gravesend, DA11 9LE<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                                                     | A8NW (SW)                              | 371                          | 12      | 563521<br>174123 |
| 206    | <b>Points of Interest - Public Infrastructure</b><br>Name: Asda Gravesend Automat<br>Location: Thames Way, Gravesend, DA11 0DQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                                                                    | A14SW (SE)                             | 417                          | 12      | 564041<br>174231 |
| 206    | <b>Points of Interest - Public Infrastructure</b><br>Name: Asda Petrol<br>Location: Thames Way, Gravesend, DA11 0DQ<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                                                                               | A14SW (SE)                             | 417                          | 12      | 564041<br>174231 |
| 207    | <b>Points of Interest - Public Infrastructure</b><br>Name: Arriva<br>Location: Northfleet Garage, London Road, Northfleet, Gravesend, DA11 9JG<br>Category: Public Transport, Stations and Infrastructure<br>Class Code: Bus and Coach Stations, Depots and Companies<br>Positional Accuracy: Positioned to address or location                | A8NW (S)                               | 506                          | 12      | 563489<br>173991 |
| 207    | <b>Points of Interest - Public Infrastructure</b><br>Name: Arriva Kent Thameside<br>Location: Northfleet Garage, London Road, Northfleet, Gravesend, DA11 9JG<br>Category: Public Transport, Stations and Infrastructure<br>Class Code: Bus and Coach Stations, Depots and Companies<br>Positional Accuracy: Positioned to address or location | A8NW (S)                               | 507                          | 12      | 563488<br>173990 |
| 208    | <b>Points of Interest - Public Infrastructure</b><br>Name: Bfh Group Ltd<br>Location: Suite 1 Lindfield House, Stuart Road, Gravesend, DA11 0BZ<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location                                     | A14SE (E)                              | 727                          | 12      | 564399<br>174277 |
| 208    | <b>Points of Interest - Public Infrastructure</b><br>Name: Sterile Technologies Group<br>Location: Lingfield House, Stuart Rd, Gravesend, Kent, DA11 0BZ<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to address or location                            | A14SE (E)                              | 727                          | 12      | 564398<br>174276 |

| Map ID | Details                                                                                                                                                                                                                                                                                                | Quadrant Reference (Compass Direction) | Estimated Distance From Site | Contact | NGR           |
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| 209    | <b>Points of Interest - Public Infrastructure</b><br>Name: Jewels Tours<br>Location: 56 New Road, Gravesend, DA11 0AD<br>Category: Public Transport, Stations and Infrastructure<br>Class Code: Bus and Coach Stations, Depots and Companies<br>Positional Accuracy: Positioned to address or location | A14SE (E)                              | 813                          | 12      | 564451 174163 |
| 210    | <b>Points of Interest - Public Infrastructure</b><br>Name: Outfall<br>Location: RM18<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location                                            | A19SW (NE)                             | 848                          | 12      | 564263 175096 |
| 210    | <b>Points of Interest - Public Infrastructure</b><br>Name: Outfall<br>Location: RM18<br>Category: Infrastructure and Facilities<br>Class Code: Waste Storage, Processing and Disposal<br>Positional Accuracy: Positioned to an adjacent address or location                                            | A19SW (NE)                             | 851                          | 12      | 564268 175096 |
| 211    | <b>Points of Interest - Public Infrastructure</b><br>Name: Tesco Petrol Filling Station<br>Location: 72-73 New Road, Gravesend, DA11 0AF<br>Category: Road And Rail<br>Class Code: Petrol and Fuel Stations<br>Positional Accuracy: Positioned to address or location                                  | A9NE (E)                               | 943                          | 12      | 564570 174111 |
| 212    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Play Area<br>Location: DA11<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                             | A13SW (S)                              | 256                          | 12      | 563640 174206 |
| 213    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Beresford Road, DA11<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to address or location                                                                        | A8NW (SW)                              | 636                          | 12      | 563383 173896 |
| 213    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: Not Supplied<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                    | A8NW (SW)                              | 645                          | 12      | 563363 173896 |
| 214    | <b>Points of Interest - Recreational and Environmental</b><br>Name: Playground<br>Location: DA11<br>Category: Recreational<br>Class Code: Playgrounds<br>Positional Accuracy: Positioned to an adjacent address or location                                                                            | A8SE (S)                               | 780                          | 12      | 563822 173688 |

| Agency & Hydrological                                                                                                                                                                                                                                                                                                                                                                    | Version                                                                           | Update Cycle                                                                                                       |
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| <b>Contaminated Land Register Entries and Notices</b><br>Environment Agency - Head Office<br>Thurrock Borough Council - Environmental Health Department<br>Dartford Borough Council - Environmental Health Department<br>Gravesham Borough Council - Public Health Services<br>Sevenoaks District Council - Environmental Health Department                                              | June 2020<br>November 2013<br>October 2014<br>September 2013<br>September 2013    | Annually<br>Annually<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update                    |
| <b>Discharge Consents</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region<br>Environment Agency - Thames Region                                                                                                                                                                                                                                           | July 2020<br>July 2020<br>July 2020                                               | Quarterly<br>Quarterly<br>Quarterly                                                                                |
| <b>Enforcement and Prohibition Notices</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                | March 2013<br>March 2013                                                          | Annual Rolling Update<br>Annual Rolling Update                                                                     |
| <b>Integrated Pollution Controls</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                      | October 2008<br>October 2008                                                      | Variable<br>Variable                                                                                               |
| <b>Integrated Pollution Prevention And Control</b><br>Environment Agency - Anglian Region<br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - Southern Region                                                                                                                                                                                   | July 2020<br>July 2020<br>July 2020                                               | Quarterly<br>Quarterly<br>Quarterly                                                                                |
| <b>Local Authority Integrated Pollution Prevention And Control</b><br>Thurrock Borough Council - Environmental Health Department<br>Gravesham Borough Council - Environmental Health Department<br>London Port Health Authority - Environmental Services<br>Dartford Borough Council - Environmental Health Department<br>Sevenoaks District Council - Environmental Health Department   | February 2015<br>October 2014<br>October 2014<br>September 2014<br>September 2014 | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                           |
| <b>Local Authority Pollution Prevention and Controls</b><br>Thurrock Borough Council - Environmental Health Department<br>Gravesham Borough Council - Environmental Health Department<br>London Port Health Authority - Environmental Services<br>Dartford Borough Council - Environmental Health Department<br>Sevenoaks District Council - Environmental Health Department             | February 2015<br>October 2014<br>October 2014<br>September 2014<br>September 2014 | Not Applicable<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update<br>Annual Rolling Update |
| <b>Local Authority Pollution Prevention and Control Enforcements</b><br>Thurrock Borough Council - Environmental Health Department<br>Gravesham Borough Council - Environmental Health Department<br>London Port Health Authority - Environmental Services<br>Dartford Borough Council - Environmental Health Department<br>Sevenoaks District Council - Environmental Health Department | February 2015<br>October 2014<br>October 2014<br>September 2014<br>September 2014 | Variable<br>Variable<br>Variable<br>Variable<br>Variable                                                           |
| <b>Nearest Surface Water Feature</b><br>Ordnance Survey                                                                                                                                                                                                                                                                                                                                  | August 2020                                                                       |                                                                                                                    |
| <b>Pollution Incidents to Controlled Waters</b><br>Environment Agency - Southern Region<br>Environment Agency - Anglian Region<br>Environment Agency - Thames Region                                                                                                                                                                                                                     | December 1999<br>September 1999<br>September 1999                                 | Not Applicable<br>Not Applicable<br>Not Applicable                                                                 |
| <b>Prosecutions Relating to Authorised Processes</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                                                                                                      | March 2013<br>March 2013                                                          | Annual Rolling Update<br>Annual Rolling Update                                                                     |
| <b>Prosecutions Relating to Controlled Waters</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                                                                                                         | March 2013<br>March 2013                                                          | Annual Rolling Update<br>Annual Rolling Update                                                                     |
| <b>Registered Radioactive Substances</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                                                                                                                  | June 2016<br>June 2016                                                            |                                                                                                                    |

| Agency & Hydrological                                                                                                                                                                                                                                                                          | Version                                          | Update Cycle                                     |
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| <b>River Quality</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                       | November 2001                                    | Not Applicable                                   |
| <b>River Quality Biology Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                               | July 2012                                        | Annually                                         |
| <b>River Quality Chemistry Sampling Points</b><br>Environment Agency - Head Office                                                                                                                                                                                                             | July 2012                                        | Annually                                         |
| <b>Substantiated Pollution Incident Register</b><br>Environment Agency - Anglian Region - Eastern Area<br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex | July 2020<br>July 2020<br>July 2020<br>July 2020 | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly |
| <b>Water Abstractions</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                                       | July 2020<br>July 2020                           | Quarterly<br>Quarterly                           |
| <b>Water Industry Act Referrals</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                             | October 2017<br>October 2017                     | Quarterly<br>Quarterly                           |
| <b>Groundwater Vulnerability Map</b><br>Environment Agency - Head Office                                                                                                                                                                                                                       | June 2018                                        | As notified                                      |
| <b>Groundwater Vulnerability - Soluble Rock Risk</b><br>Environment Agency - Head Office                                                                                                                                                                                                       | June 2018                                        | As notified                                      |
| <b>Bedrock Aquifer Designations</b><br>Environment Agency - Head Office                                                                                                                                                                                                                        | January 2018                                     | Annually                                         |
| <b>Superficial Aquifer Designations</b><br>Environment Agency - Head Office                                                                                                                                                                                                                    | January 2018                                     | Annually                                         |
| <b>Source Protection Zones</b><br>Environment Agency - Head Office                                                                                                                                                                                                                             | October 2019                                     | Quarterly                                        |
| <b>Extreme Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                | September 2020                                   | Quarterly                                        |
| <b>Flooding from Rivers or Sea without Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                        | September 2020                                   | Quarterly                                        |
| <b>Areas Benefiting from Flood Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                                | September 2020                                   | Quarterly                                        |
| <b>Flood Water Storage Areas</b><br>Environment Agency - Head Office                                                                                                                                                                                                                           | September 2020                                   | Quarterly                                        |
| <b>Flood Defences</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                      | September 2020                                   | Quarterly                                        |
| <b>OS Water Network Lines</b><br>Ordnance Survey                                                                                                                                                                                                                                               | June 2020                                        | Quarterly                                        |
| <b>Surface Water 1 in 30 year Flood Extent</b><br>Environment Agency - Head Office                                                                                                                                                                                                             | October 2013                                     | Annually                                         |
| <b>Surface Water 1 in 100 year Flood Extent</b><br>Environment Agency - Head Office                                                                                                                                                                                                            | October 2013                                     | Annually                                         |
| <b>Surface Water 1 in 1000 year Flood Extent</b><br>Environment Agency - Head Office                                                                                                                                                                                                           | October 2013                                     | Annually                                         |
| <b>Surface Water Suitability</b><br>Environment Agency - Head Office                                                                                                                                                                                                                           | October 2013                                     | Annually                                         |
| <b>BGS Groundwater Flooding Susceptibility</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                          | May 2013                                         | Annually                                         |

| Waste                                                                                                                                                                                                                                                                                                           | Version                                                  | Update Cycle                                                                           |
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| <b>BGS Recorded Landfill Sites</b><br>British Geological Survey - National Geoscience Information Service                                                                                                                                                                                                       | June 1996                                                | Not Applicable                                                                         |
| <b>Historical Landfill Sites</b><br>Environment Agency - Head Office                                                                                                                                                                                                                                            | October 2019                                             | Quarterly                                                                              |
| <b>Integrated Pollution Control Registered Waste Sites</b><br>Environment Agency - Anglian Region<br>Environment Agency - Southern Region                                                                                                                                                                       | October 2008<br>October 2008                             | Not Applicable<br>Not Applicable                                                       |
| <b>Licensed Waste Management Facilities (Landfill Boundaries)</b><br>Environment Agency - Anglian Region - Eastern Area<br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex | July 2020<br>July 2020<br>July 2020<br>July 2020         | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                       |
| <b>Licensed Waste Management Facilities (Locations)</b><br>Environment Agency - Anglian Region - Eastern Area<br>Environment Agency - South East Region - Kent & South London Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex           | July 2020<br>July 2020<br>July 2020<br>July 2020         | Quarterly<br>Quarterly<br>Quarterly<br>Quarterly                                       |
| <b>Local Authority Landfill Coverage</b><br>Dartford Borough Council - Environmental Health Department<br>Gravesham Borough Council<br>Kent County Council - Waste Management Group<br>Sevenoaks District Council<br>Thurrock Borough Council - Environmental Health Department                                 | May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000 | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Local Authority Recorded Landfill Sites</b><br>Dartford Borough Council - Environmental Health Department<br>Gravesham Borough Council<br>Kent County Council - Waste Management Group<br>Sevenoaks District Council<br>Thurrock Borough Council - Environmental Health Department                           | May 2000<br>May 2000<br>May 2000<br>May 2000<br>May 2000 | Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable<br>Not Applicable |
| <b>Potentially Infilled Land (Non-Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                              | December 1999                                            | Not Applicable                                                                         |
| <b>Potentially Infilled Land (Water)</b><br>Landmark Information Group Limited                                                                                                                                                                                                                                  | December 1999                                            | Not Applicable                                                                         |
| <b>Registered Landfill Sites</b><br>Environment Agency - Anglian Region - Eastern Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex                                                                                                       | March 2003<br>March 2003<br>March 2003                   | Not Applicable<br>Not Applicable<br>Not Applicable                                     |
| <b>Registered Waste Transfer Sites</b><br>Environment Agency - Anglian Region - Eastern Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex                                                                                                 | March 2003<br>March 2003<br>March 2003                   | Not Applicable<br>Not Applicable<br>Not Applicable                                     |
| <b>Registered Waste Treatment or Disposal Sites</b><br>Environment Agency - Anglian Region - Eastern Area<br>Environment Agency - Southern Region - Kent Area<br>Environment Agency - Southern Region - Kent and East Sussex                                                                                    | March 2003<br>March 2003<br>March 2003                   | Not Applicable<br>Not Applicable<br>Not Applicable                                     |

| Hazardous Substances                                                                                                                                                                                                                                                      | Version                                                                                        | Update Cycle                                                                      |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| <b>Control of Major Accident Hazards Sites (COMAH)</b><br>Health and Safety Executive                                                                                                                                                                                     | April 2018                                                                                     | Bi-Annually                                                                       |
| <b>Explosive Sites</b><br>Health and Safety Executive                                                                                                                                                                                                                     | March 2017                                                                                     | Annually                                                                          |
| <b>Notification of Installations Handling Hazardous Substances (NIHHS)</b><br>Health and Safety Executive                                                                                                                                                                 | November 2000                                                                                  | Not Applicable                                                                    |
| <b>Planning Hazardous Substance Enforcements</b><br>Thurrock Borough Council - Development Control<br>Sevenoaks District Council<br>London Port Health Authority - Environmental Services<br>Dartford Borough Council<br>Kent County Council<br>Gravesham Borough Council | December 2015<br>February 2016<br>January 2008<br>January 2016<br>January 2016<br>October 2015 | Variable<br>Variable<br>Annual Rolling Update<br>Variable<br>Variable<br>Variable |
| <b>Planning Hazardous Substance Consents</b><br>Thurrock Borough Council - Development Control<br>Sevenoaks District Council<br>London Port Health Authority - Environmental Services<br>Dartford Borough Council<br>Kent County Council<br>Gravesham Borough Council     | December 2015<br>February 2016<br>January 2008<br>January 2016<br>January 2016<br>October 2015 | Variable<br>Variable<br>Annual Rolling Update<br>Variable<br>Variable<br>Variable |

| Geological                                                                                                                                      | Version      | Update Cycle          |
|-------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-----------------------|
| <b>BGS 1:625,000 Solid Geology</b><br>British Geological Survey - National Geoscience Information Service                                       | January 2009 | Not Applicable        |
| <b>BGS Estimated Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                      | October 2015 | Annually              |
| <b>BGS Recorded Mineral Sites</b><br>British Geological Survey - National Geoscience Information Service                                        | June 2020    | Bi-Annually           |
| <b>BGS Urban Soil Chemistry</b><br>British Geological Survey - National Geoscience Information Service                                          | October 2015 | Annually              |
| <b>BGS Urban Soil Chemistry Averages</b><br>British Geological Survey - National Geoscience Information Service                                 | October 2015 | Annually              |
| <b>CBSCB Compensation District</b><br>Cheshire Brine Subsidence Compensation Board (CBSCB)                                                      | August 2011  | Not Applicable        |
| <b>Coal Mining Affected Areas</b><br>The Coal Authority - Property Searches                                                                     | March 2014   | Annual Rolling Update |
| <b>Mining Instability</b><br>Ove Arup & Partners                                                                                                | October 2000 | Not Applicable        |
| <b>Non Coal Mining Areas of Great Britain</b><br>British Geological Survey - National Geoscience Information Service                            | May 2015     | Not Applicable        |
| <b>Potential for Collapsible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                | April 2020   | Annually              |
| <b>Potential for Compressible Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service               | January 2019 | Annually              |
| <b>Potential for Ground Dissolution Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                | January 2019 | Annually              |
| <b>Potential for Landslide Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service                  | January 2019 | Annually              |
| <b>Potential for Running Sand Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service               | January 2019 | Annually              |
| <b>Potential for Shrinking or Swelling Clay Ground Stability Hazards</b><br>British Geological Survey - National Geoscience Information Service | January 2019 | Annually              |
| <b>Radon Potential - Radon Affected Areas</b><br>British Geological Survey - National Geoscience Information Service                            | July 2011    | Annually              |
| <b>Radon Potential - Radon Protection Measures</b><br>British Geological Survey - National Geoscience Information Service                       | July 2011    | Annually              |

| Industrial Land Use                                                  | Version        | Update Cycle |
|----------------------------------------------------------------------|----------------|--------------|
| <b>Contemporary Trade Directory Entries</b><br>Thomson Directories   | July 2020      | Quarterly    |
| <b>Fuel Station Entries</b><br>Catalist Ltd - Experian               | September 2020 | Quarterly    |
| <b>Gas Pipelines</b><br>National Grid                                | September 2020 |              |
| <b>Points of Interest - Commercial Services</b><br>PointX            | September 2020 | Quarterly    |
| <b>Points of Interest - Education and Health</b><br>PointX           | September 2020 | Quarterly    |
| <b>Points of Interest - Manufacturing and Production</b><br>PointX   | September 2020 | Quarterly    |
| <b>Points of Interest - Public Infrastructure</b><br>PointX          | September 2020 | Quarterly    |
| <b>Points of Interest - Recreational and Environmental</b><br>PointX | September 2020 | Quarterly    |
| <b>Underground Electrical Cables</b><br>National Grid                | August 2020    |              |

| Sensitive Land Use                                                                                                                                                            | Version                                          | Update Cycle                                             |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------------------|
| <b>Ancient Woodland</b><br>Natural England                                                                                                                                    | April 2020                                       | Bi-Annually                                              |
| <b>Areas of Adopted Green Belt</b><br>Dartford Borough Council<br>Gravesham Borough Council<br>Sevenoaks District Council<br>Thurrock Borough Council - Development Control   | June 2020<br>June 2020<br>June 2020<br>June 2020 | As notified<br>As notified<br>As notified<br>As notified |
| <b>Areas of Unadopted Green Belt</b><br>Dartford Borough Council<br>Gravesham Borough Council<br>Sevenoaks District Council<br>Thurrock Borough Council - Development Control | June 2020<br>June 2020<br>June 2020<br>June 2020 | As notified<br>As notified<br>As notified<br>As notified |
| <b>Areas of Outstanding Natural Beauty</b><br>Natural England                                                                                                                 | June 2019                                        | Bi-Annually                                              |
| <b>Environmentally Sensitive Areas</b><br>Natural England                                                                                                                     | January 2017                                     |                                                          |
| <b>Forest Parks</b><br>Forestry Commission                                                                                                                                    | April 1997                                       | Not Applicable                                           |
| <b>Local Nature Reserves</b><br>Natural England                                                                                                                               | April 2020                                       | Bi-Annually                                              |
| <b>Marine Nature Reserves</b><br>Natural England                                                                                                                              | July 2019                                        | Bi-Annually                                              |
| <b>National Nature Reserves</b><br>Natural England                                                                                                                            | July 2019                                        | Bi-Annually                                              |
| <b>National Parks</b><br>Natural England                                                                                                                                      | April 2017                                       | Bi-Annually                                              |
| <b>Nitrate Sensitive Areas</b><br>Natural England                                                                                                                             | April 2016                                       | Not Applicable                                           |
| <b>Nitrate Vulnerable Zones</b><br>Environment Agency - Head Office<br>Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)                             | December 2017<br>October 2015                    | Bi-Annually                                              |
| <b>Ramsar Sites</b><br>Natural England                                                                                                                                        | August 2020                                      | Bi-Annually                                              |
| <b>Sites of Special Scientific Interest</b><br>Natural England                                                                                                                | May 2020                                         | Bi-Annually                                              |
| <b>Special Areas of Conservation</b><br>Natural England                                                                                                                       | July 2020                                        | Bi-Annually                                              |
| <b>Special Protection Areas</b><br>Natural England                                                                                                                            | April 2019                                       | Bi-Annually                                              |

A selection of organisations who provide data within this report

| Data Supplier                          | Data Supplier Logo                                                                                                                                                    |
|----------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ordnance Survey                        |                                                                                    |
| Environment Agency                     |                                                                                    |
| Scottish Environment Protection Agency |                                                                                    |
| The Coal Authority                     |                                                                                    |
| British Geological Survey              |  <b>British Geological Survey</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL          |
| Centre for Ecology and Hydrology       |  <b>Centre for Ecology &amp; Hydrology</b><br>NATURAL ENVIRONMENT RESEARCH COUNCIL |
| Natural Resources Wales                |                                                                                   |
| Scottish Natural Heritage              |                                                                                  |
| Natural England                        |                                                                                  |
| Public Health England                  |                                                                                  |
| Ove Arup                               |                                                                                  |
| Stantec UK Ltd                         |                                                                                  |

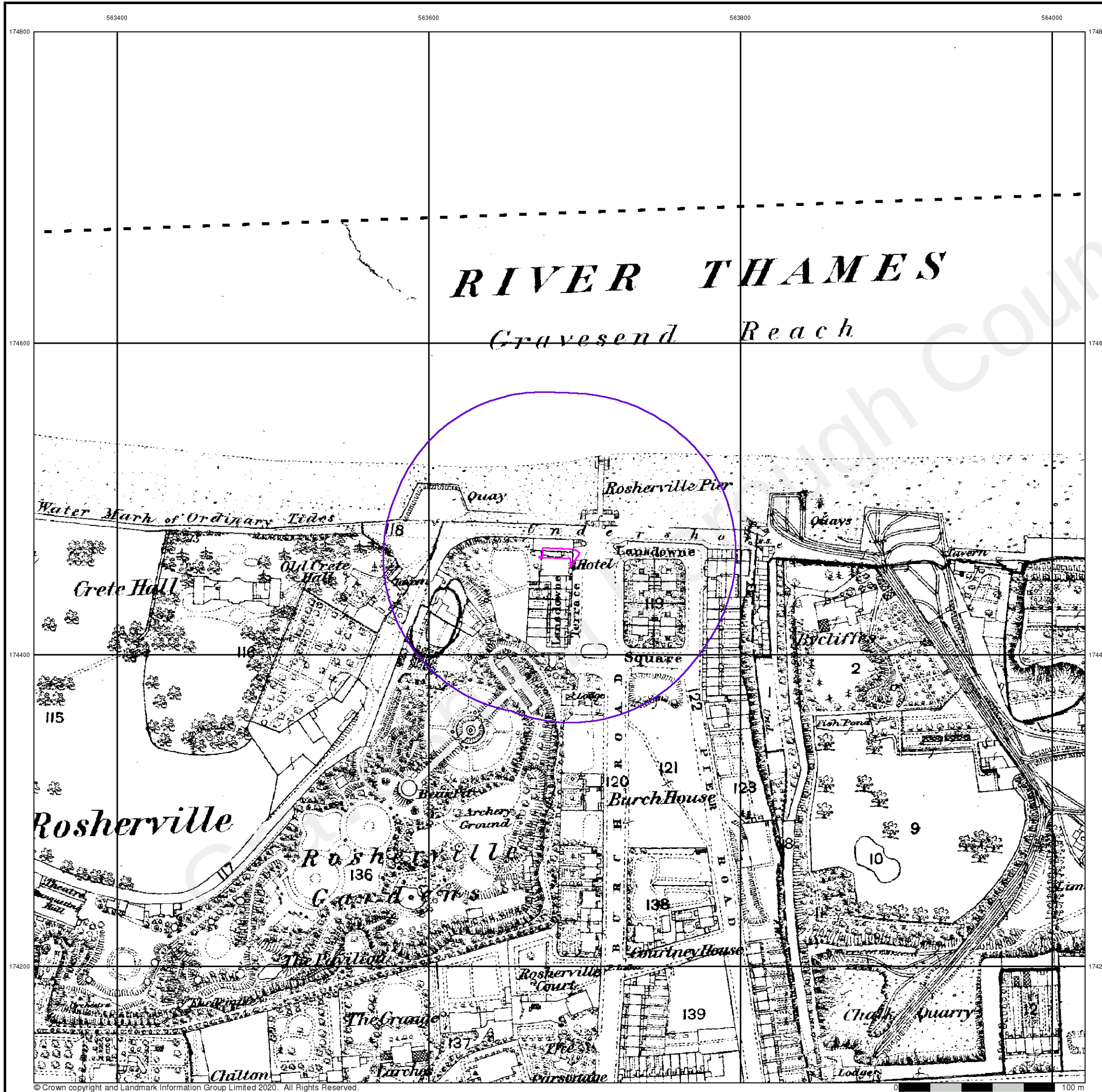
| Contact | Name and Address                                                                                                                                                  | Contact Details                                                                                                                 |
|---------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| 1       | <b>British Geological Survey - Enquiry Service</b><br>British Geological Survey, Environmental Science Centre, Keyworth,<br>Nottingham, Nottinghamshire, NG12 5GG | Telephone: 0115 936 3143<br>Fax: 0115 936 3276<br>Email: enquiries@bgs.ac.uk<br>Website: www.bgs.ac.uk                          |
| 2       | <b>Environment Agency - National Customer Contact Centre (NCCC)</b><br>PO Box 544, Templeborough, Rotherham, S60 1BY                                              | Telephone: 03708 506 506<br>Email: enquiries@environment-agency.gov.uk                                                          |
| 3       | <b>Gravesham Borough Council - Environmental Health Department</b><br>Civic Centre, 132 Windmill Street, Gravesend, Kent, DA12 1AU                                | Telephone: 01474 337241<br>Fax: 01474 337546<br>Email: glyn.thomson@gravesham.gov.uk<br>Website: www.gravesham.gov.uk           |
| 4       | <b>London Port Health Authority - Environmental Services</b><br>PO Box 270, Guildhall, London, EC2P 2EJ                                                           | Telephone: 020 7332 1603<br>Fax: 020 7332 1623                                                                                  |
| 5       | <b>Environment Agency - Head Office</b><br>Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon,<br>BS32 4UD                                        | Telephone: 01454 624400<br>Fax: 01454 624409                                                                                    |
| 6       | <b>Ordnance Survey</b><br>Adanac Drive, Southampton, Hampshire, SO16 0AS                                                                                          | Telephone: 03456 05 05 05<br>Email: customerservices@ordnancesurvey.co.uk<br>Website: www.ordnancesurvey.gov.uk                 |
| 7       | <b>Gravesham Borough Council</b><br>Cygnet House, 132 Windmill Street, Gravesend, Kent, DA12 1AU                                                                  | Telephone: 01474 564422<br>Fax: 01474 337546<br>Website: www.gravesham.gov.uk                                                   |
| 8       | <b>Kent County Council - Waste Management Group</b><br>Block H, The Forstal, Beddow Way, Aylesford, Kent, ME20 7BT                                                | Telephone: 01622 605976<br>Website: www.kent.gov.uk                                                                             |
| 9       | <b>Thurrock Borough Council - Environmental Health Department</b><br>Civic Offices, New Road, Grays, Essex, RM17 6SL                                              | Telephone: 01375 390000<br>Fax: 01375 652359<br>Website: www.thurrock.gov.uk                                                    |
| 10      | <b>Health and Safety Executive</b><br>5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS                                                                           | Website: www.hse.gov.uk                                                                                                         |
| 11      | <b>Stantec UK Ltd</b><br>Caversham Bridge House, Waterman Place, Reading, RG1 8DN                                                                                 | Telephone: 0118 950 0761<br>Email: pba.reading@stantec.com<br>Website: www.stantec.com                                          |
| 12      | <b>PointX</b><br>7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY                                                                                         | Website: www.pointx.co.uk                                                                                                       |
| 13      | <b>Thurrock Borough Council - Development Control</b><br>Civic Offices, New Road, Grays, Essex, RM17 6SL                                                          | Telephone: 01375 390000<br>Fax: 01375 652359<br>Website: www.thurrock.gov.uk                                                    |
| 14      | <b>Dartford Borough Council</b><br>Civic Centre, Home Gardens, Dartford, Kent, DA1 1DR                                                                            | Telephone: 01322 343434<br>Fax: 01322 343047<br>Website: www.dartford.gov.uk                                                    |
| -       | <b>Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards</b><br>Chilton, Didcot, Oxfordshire, OX11 0RQ                   | Telephone: 01235 822622<br>Fax: 01235 833891<br>Email: radon@phe.gov.uk<br>Website: www.ukradon.org                             |
| -       | <b>Landmark Information Group Limited</b><br>Imperium, Imperial Way, Reading, Berkshire, RG2 0TD                                                                  | Telephone: 0844 844 9952<br>Fax: 0844 844 9951<br>Email: customerservices@landmarkinfo.co.uk<br>Website: www.landmarkinfo.co.uk |

| Contact | Name and Address | Contact Details |
|---------|------------------|-----------------|
|---------|------------------|-----------------|

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

Gravesham Borough Council

## **APPENDIX B: HISTORICAL MAPS**



**LUSTRE**  
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**Kent**

**Published 1864 - 1876**

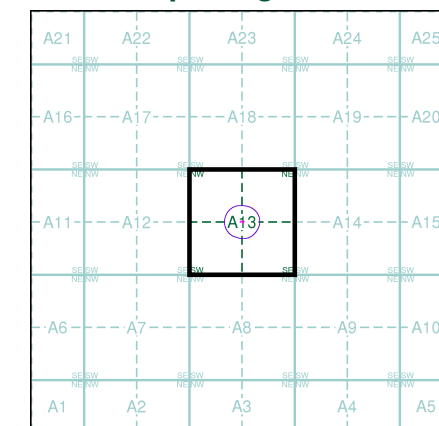
**Source map scale - 1:2,500**

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

**Map Name(s) and Date(s)**

|         |
|---------|
| 010_02  |
| 1864    |
| 1:2,500 |
| 010_06  |
| 1876    |
| 1:2,500 |

**Historical Map - Segment A13**



**Order Details**

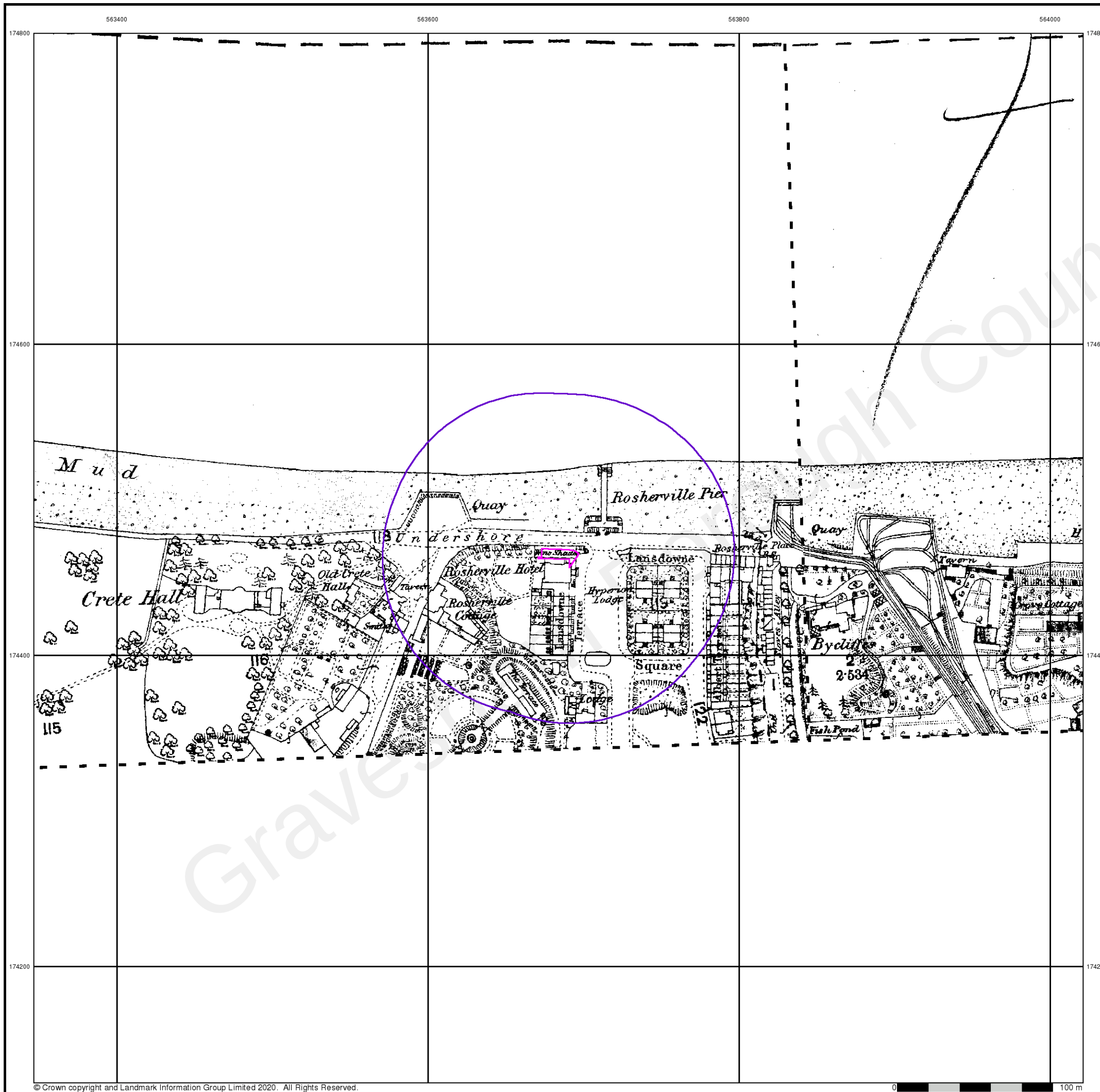
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Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

**Site Details**

Shoreline House, Northfleet, Gravesend, DA11 9NE

**Landmark**  
INFORMATION GROUP

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



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CONSULTING

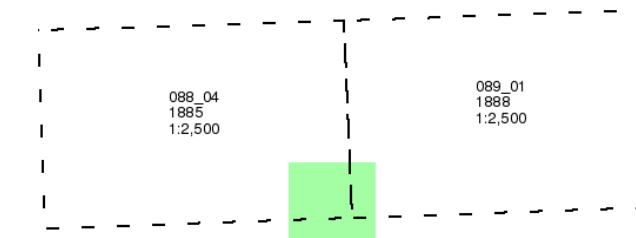
## Essex

**Published 1885 - 1888**

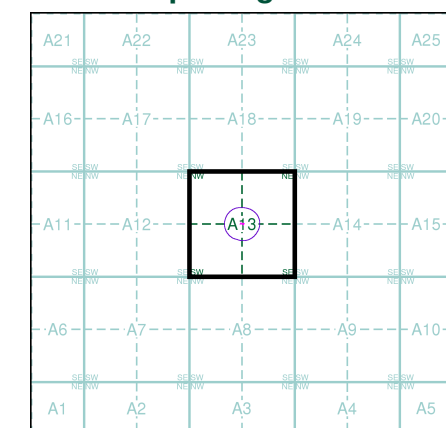
**Source map scale - 1:2,500**

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

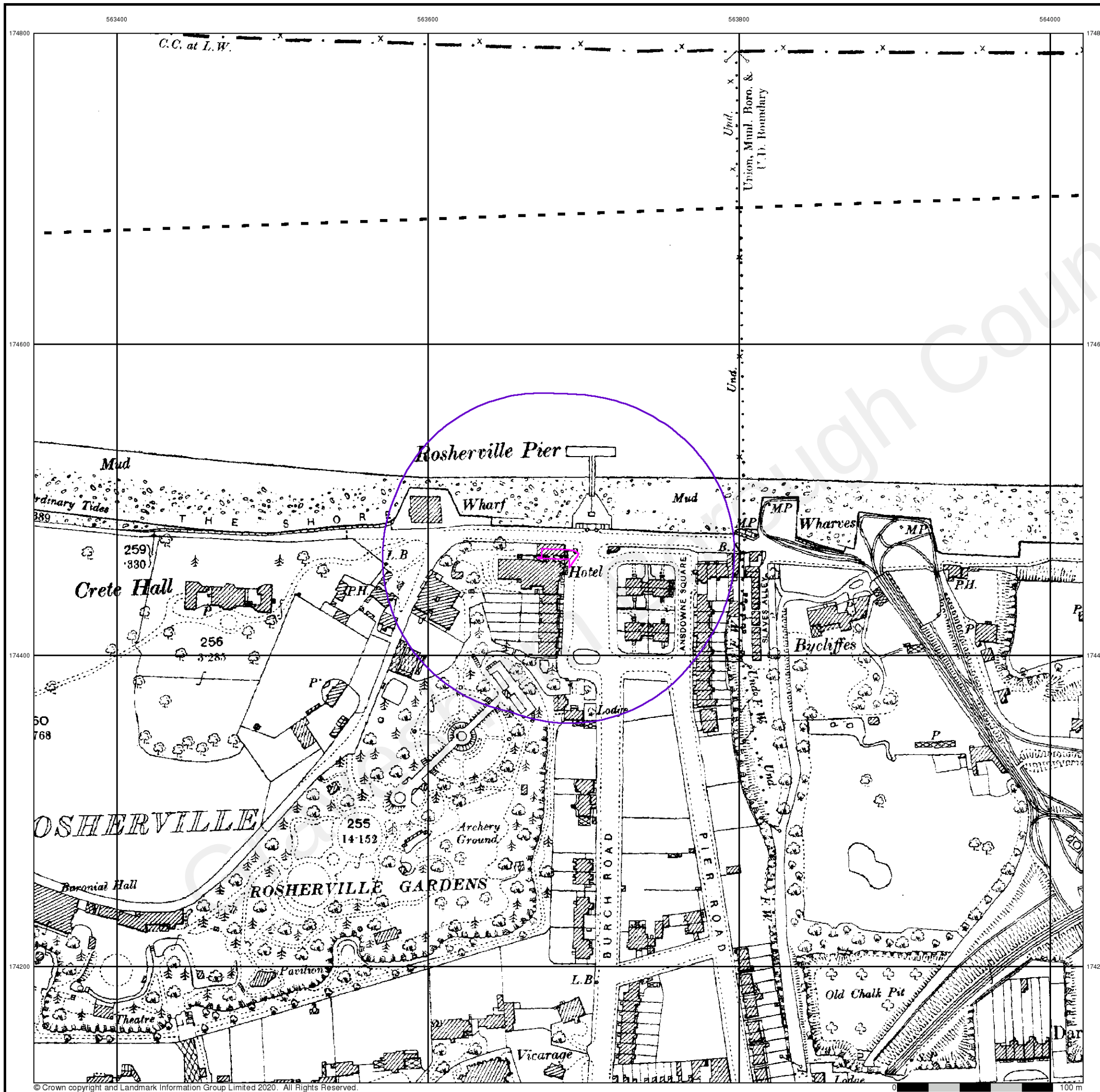
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National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

### Site Details

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## Kent

Published 1897 - 1898

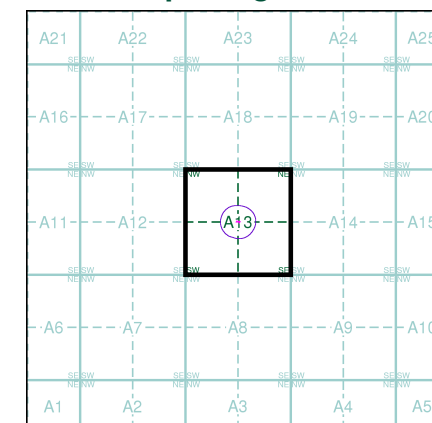
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

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|---------|
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| 1898    |
| 1:2,500 |
| 010_06  |
| 1897    |
| 1:2,500 |

## Historical Map - Segment A13



## Order Details

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Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

## Site Details

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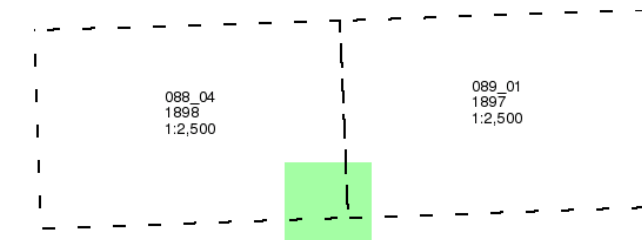
## Essex

Published 1897 - 1898

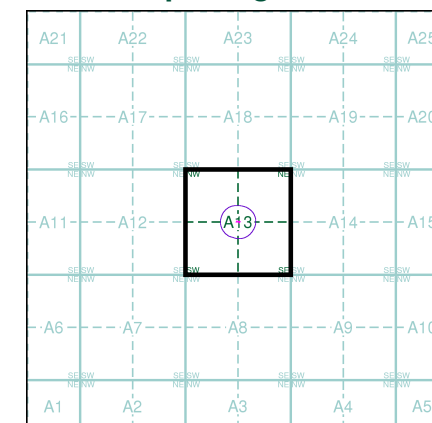
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas and by 1896 it covered the whole of what were considered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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

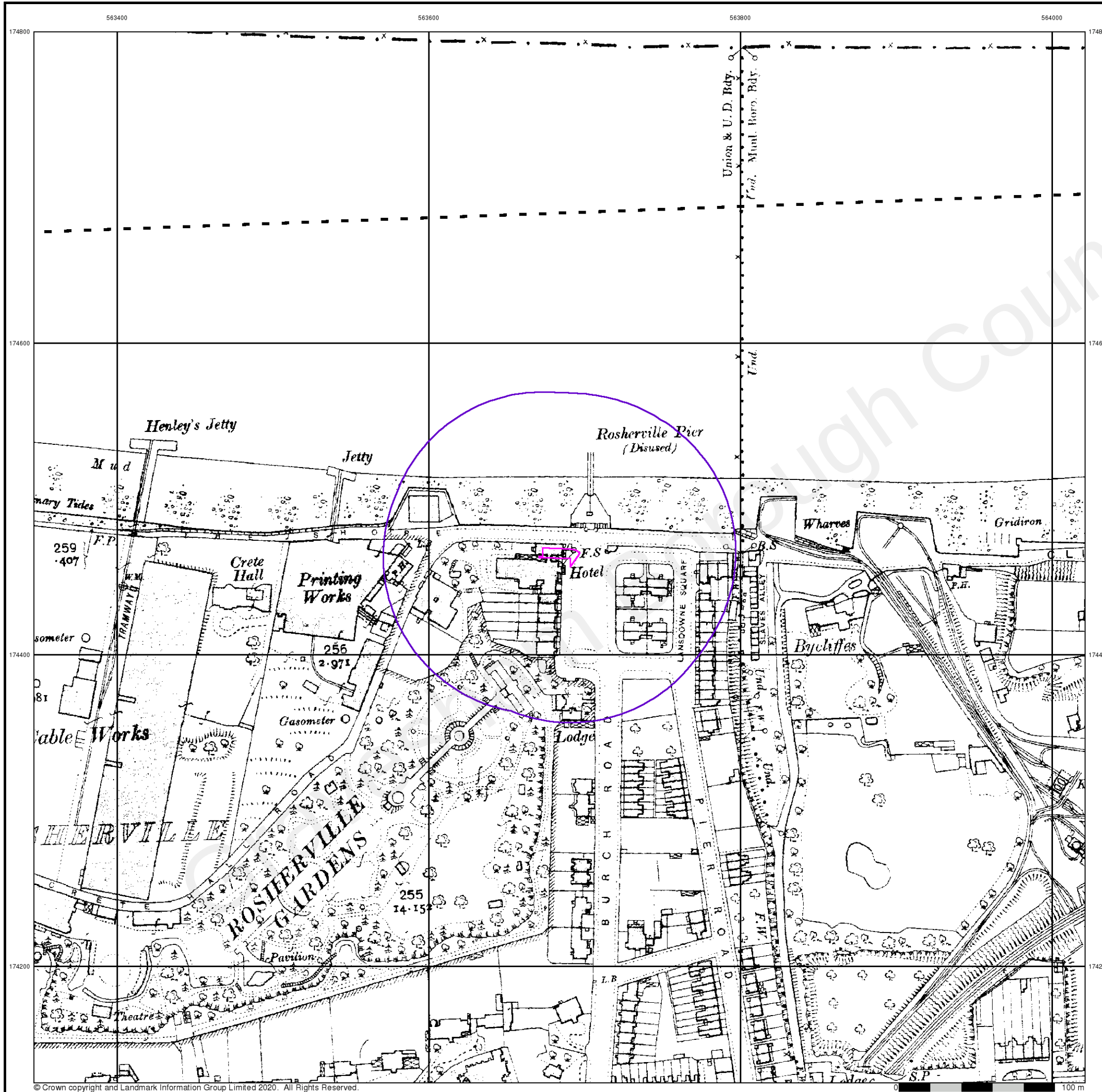
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Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

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## Kent

Published 1909

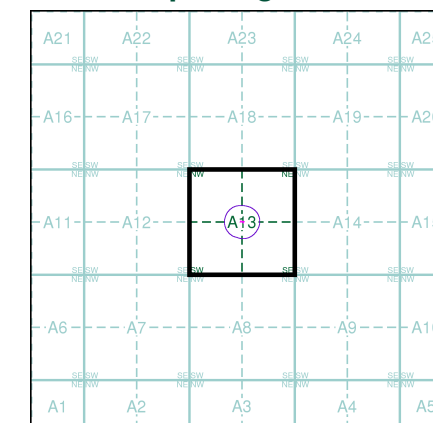
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### Map Name(s) and Date(s)

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|---------|
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| 1:2,500 |
| 010_06  |
| 1909    |
| 1:2,500 |

### Historical Map - Segment A13



### Order Details

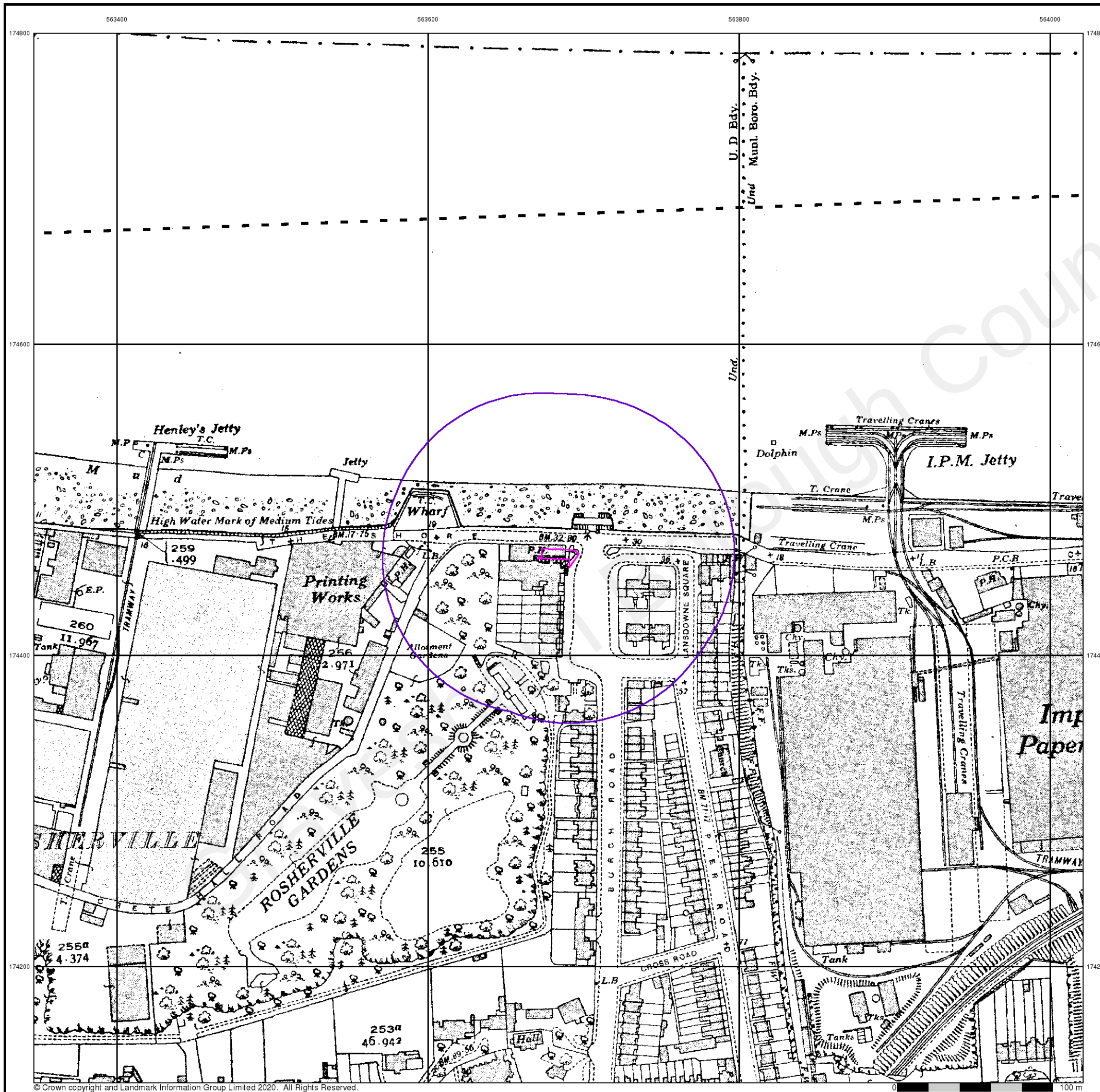
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Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

### Site Details

Shoreline House, Northfleet, Gravesend, DA11 9NE

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Kent

Published 1939

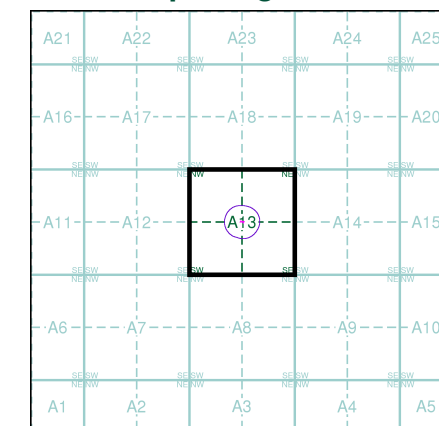
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

|         |
|---------|
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| 1939    |
| 1:2,500 |
| 010_06  |
| 1939    |
| 1:2,500 |

Historical Map - Segment A13



Order Details

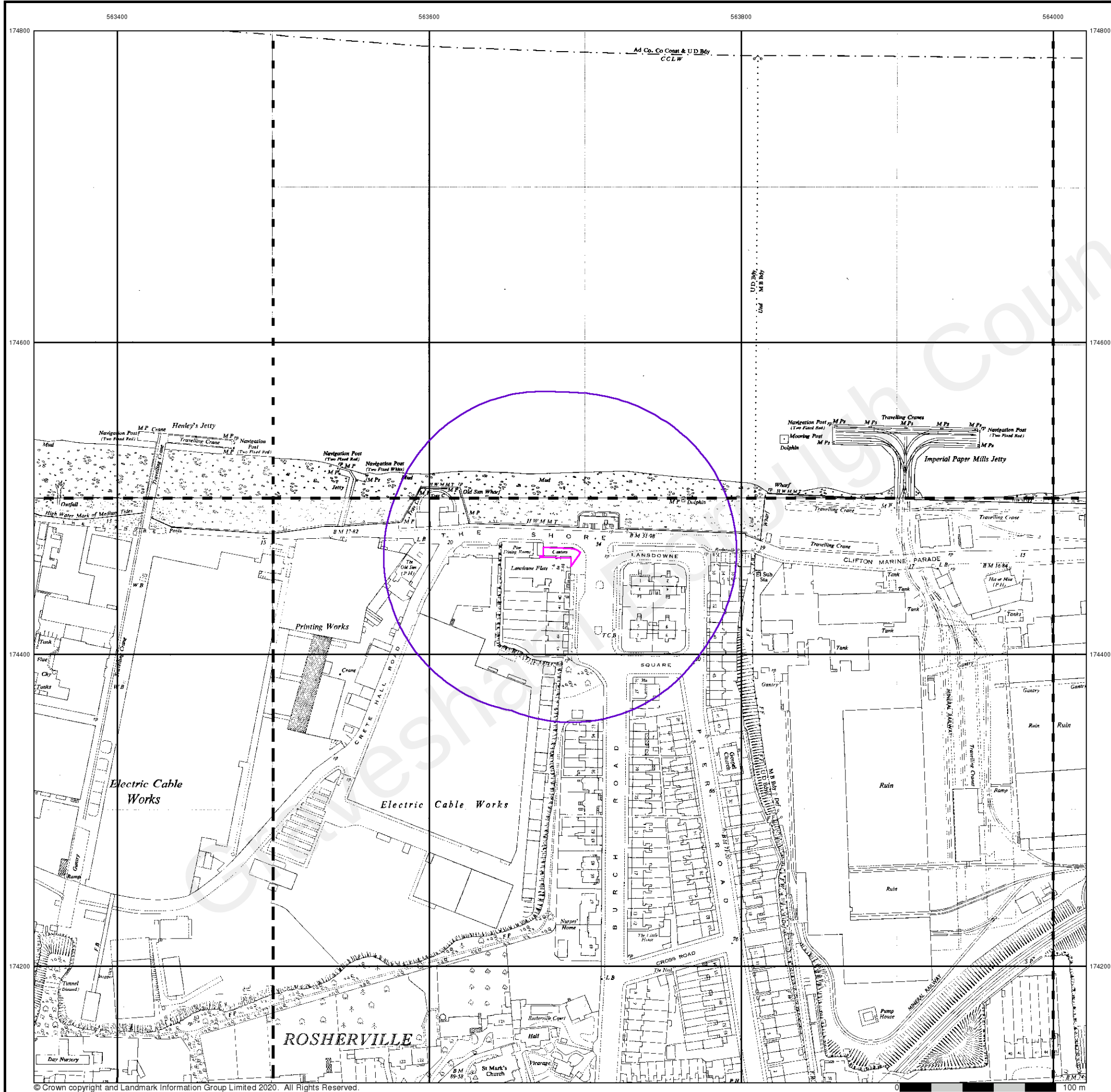
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National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

Site Details

Shoreline House, Northfleet, Gravesend, DA11 9NE

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## Ordnance Survey Plan

Published 1953 - 1975

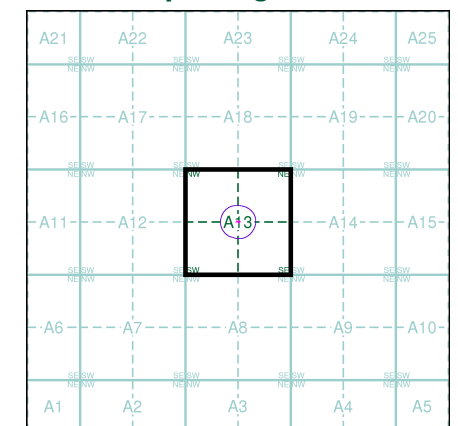
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### Map Name(s) and Date(s)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| TQ6374NW<br>1953<br>1:1,250 | TQ6374NE<br>1953<br>1:1,250 | TQ6474NW<br>1975<br>1:1,250 |
| TQ6374SW<br>1953<br>1:1,250 | TQ6374SE<br>1953<br>1:1,250 | TQ6474SW<br>1954<br>1:1,250 |

### Historical Map - Segment A13



### Order Details

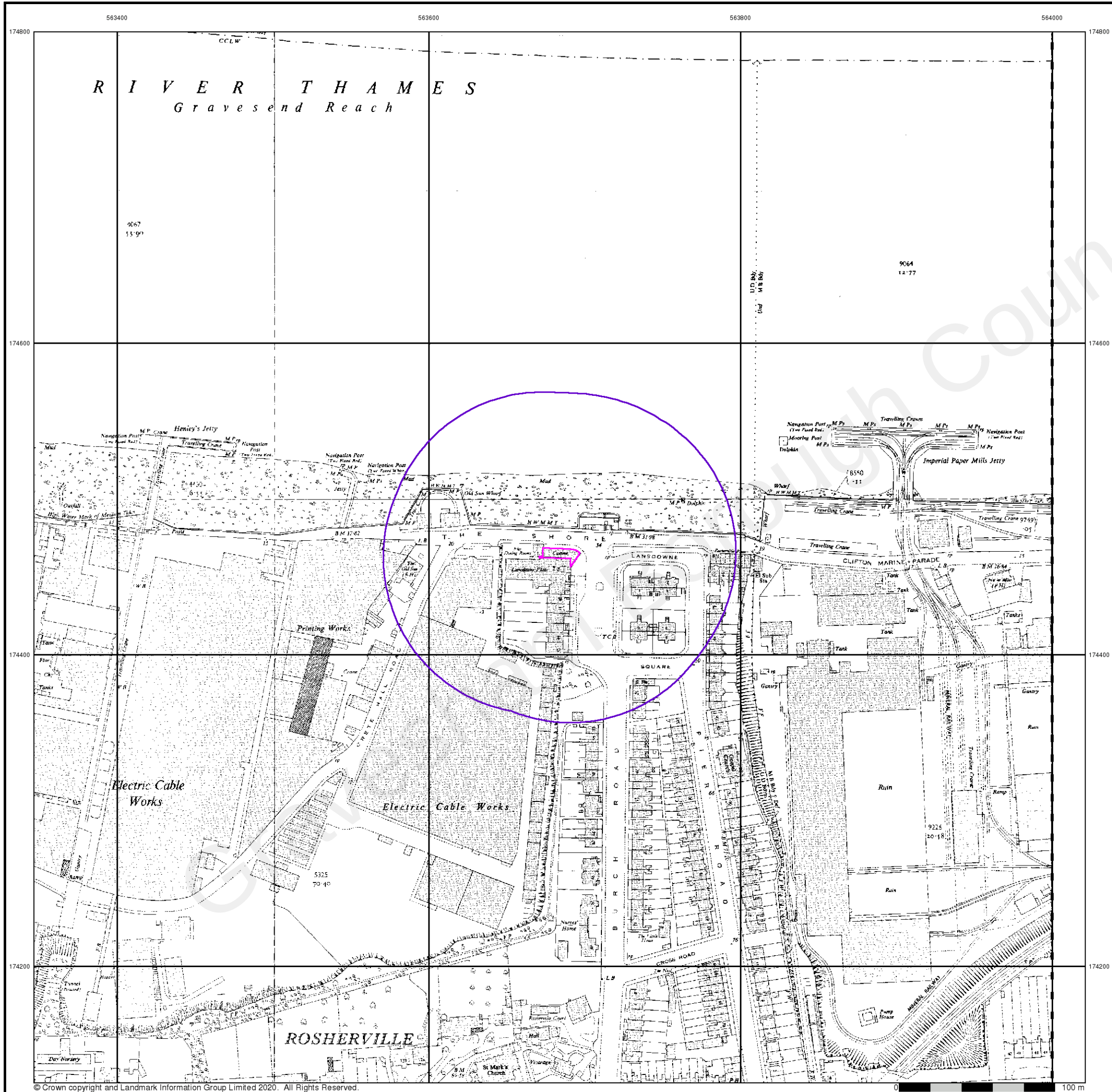
Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

### Site Details

Shoreline House, Northfleet, Gravesend, DA11 9NE

Landmark  
INFORMATION GROUP

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



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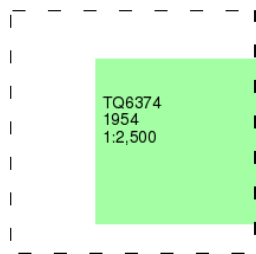
## Ordnance Survey Plan

Published 1954

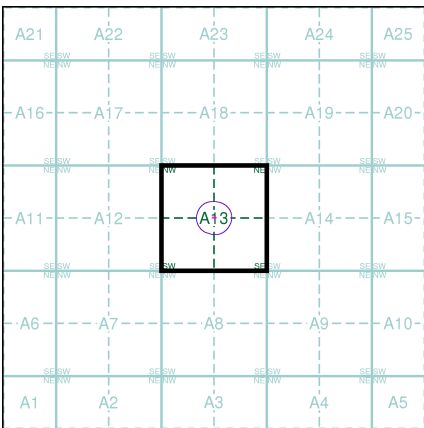
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)



### Historical Map - Segment A13



### Order Details

Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

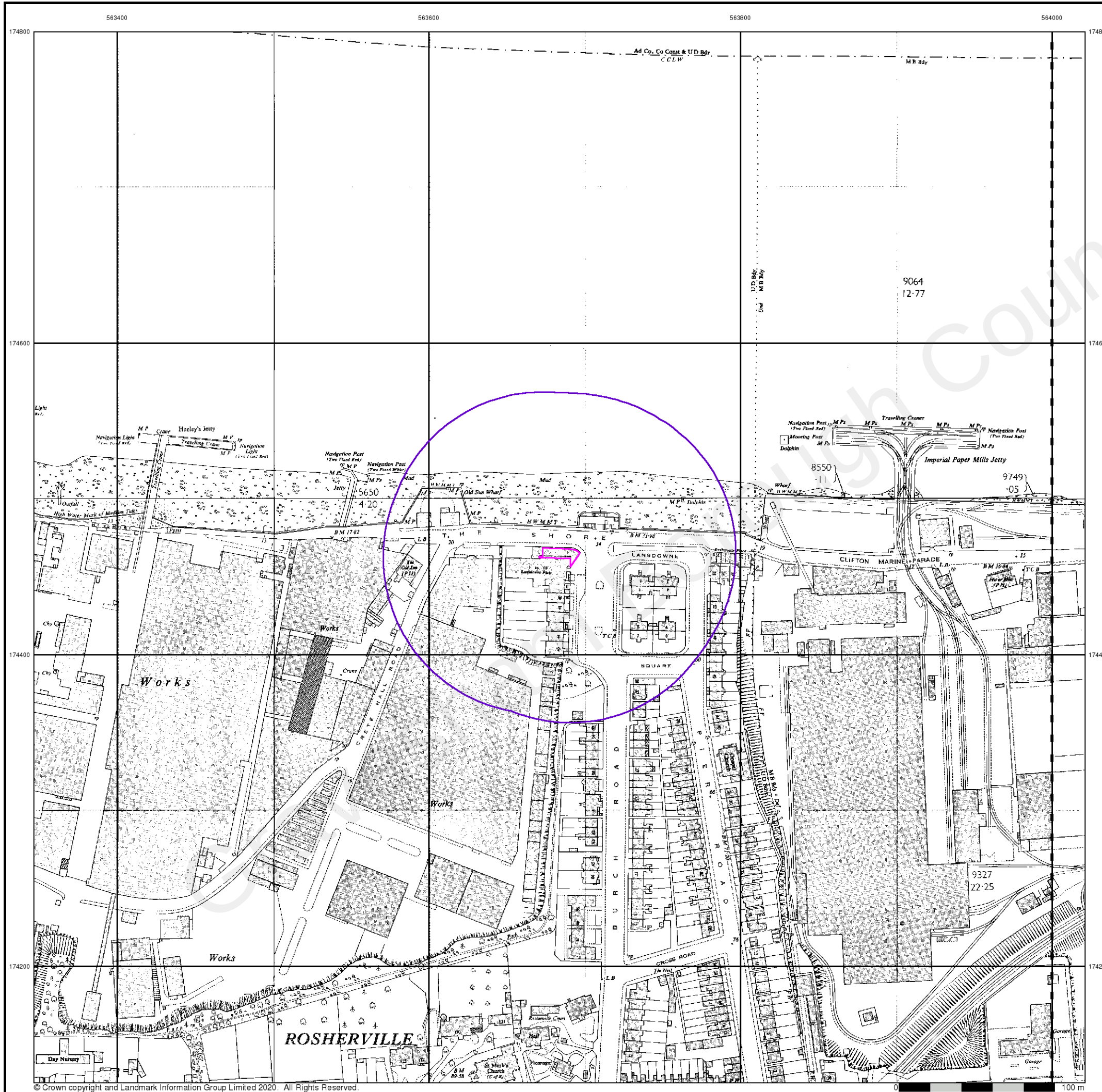
### Site Details

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## Ordnance Survey Plan

Published 1967 - 1969

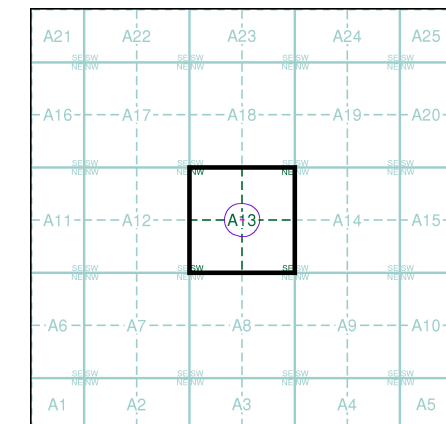
Source map scale - 1:2,500

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

### Map Name(s) and Date(s)

|                           |                           |
|---------------------------|---------------------------|
| TO6374<br>1967<br>1:2,500 | TO6474<br>1969<br>1:2,500 |
|---------------------------|---------------------------|

### Historical Map - Segment A13



### Order Details

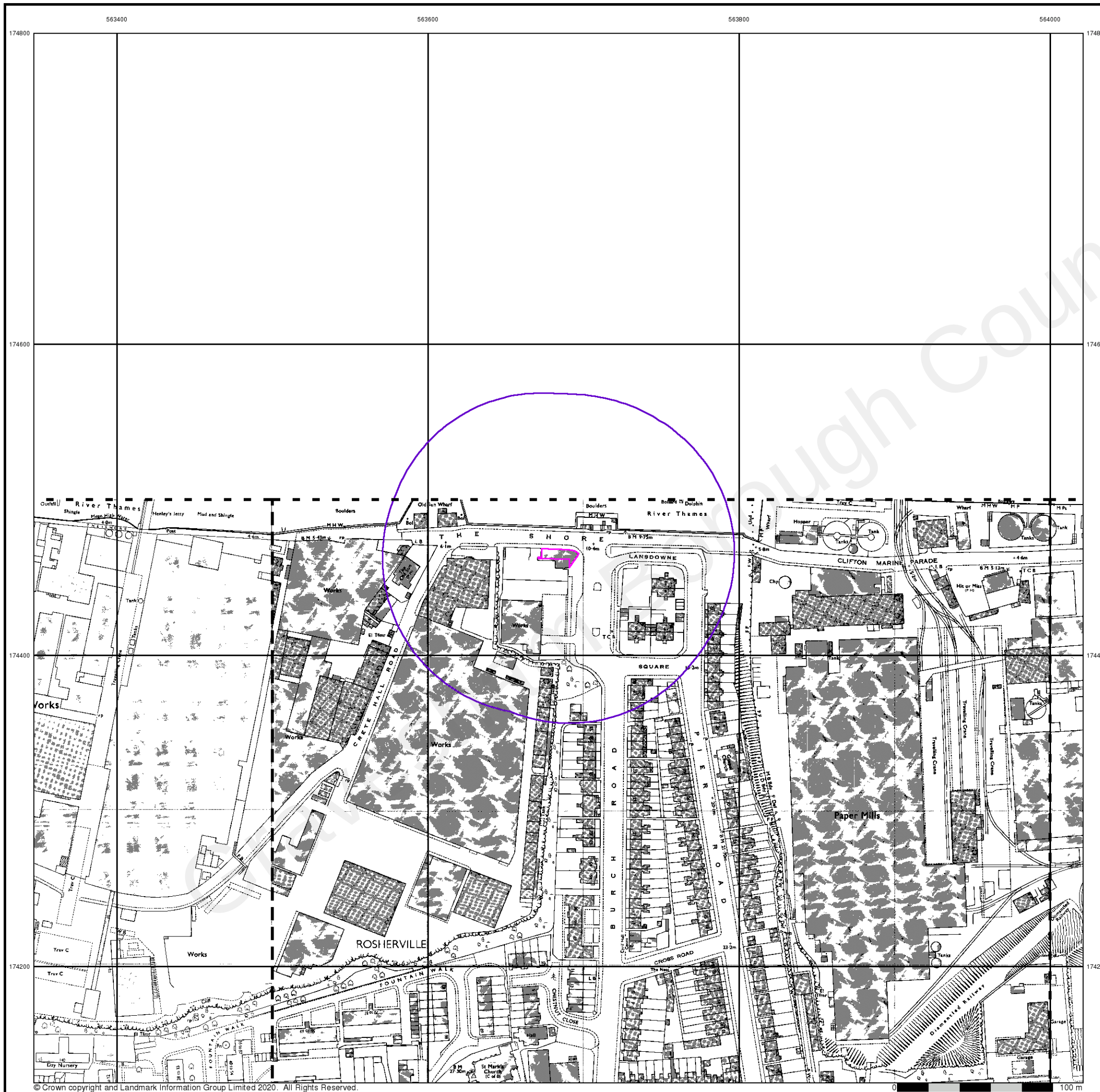
Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

### Site Details

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## Ordnance Survey Plan

Published 1973 - 1975

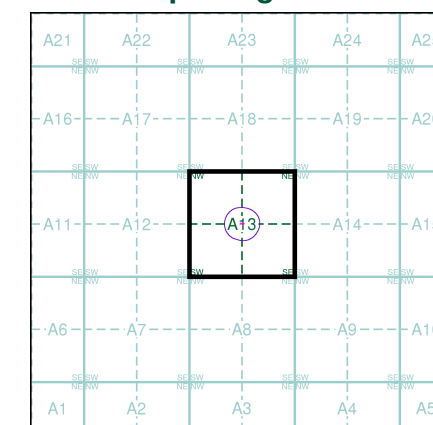
Source map scale - 1:1,250

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

## Map Name(s) and Date(s)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| TQ6374SW<br>1975<br>1:1,250 | TQ6374SE<br>1973<br>1:1,250 | TQ6474SW<br>1975<br>1:1,250 |
|-----------------------------|-----------------------------|-----------------------------|

## Historical Map - Segment A13



## Order Details

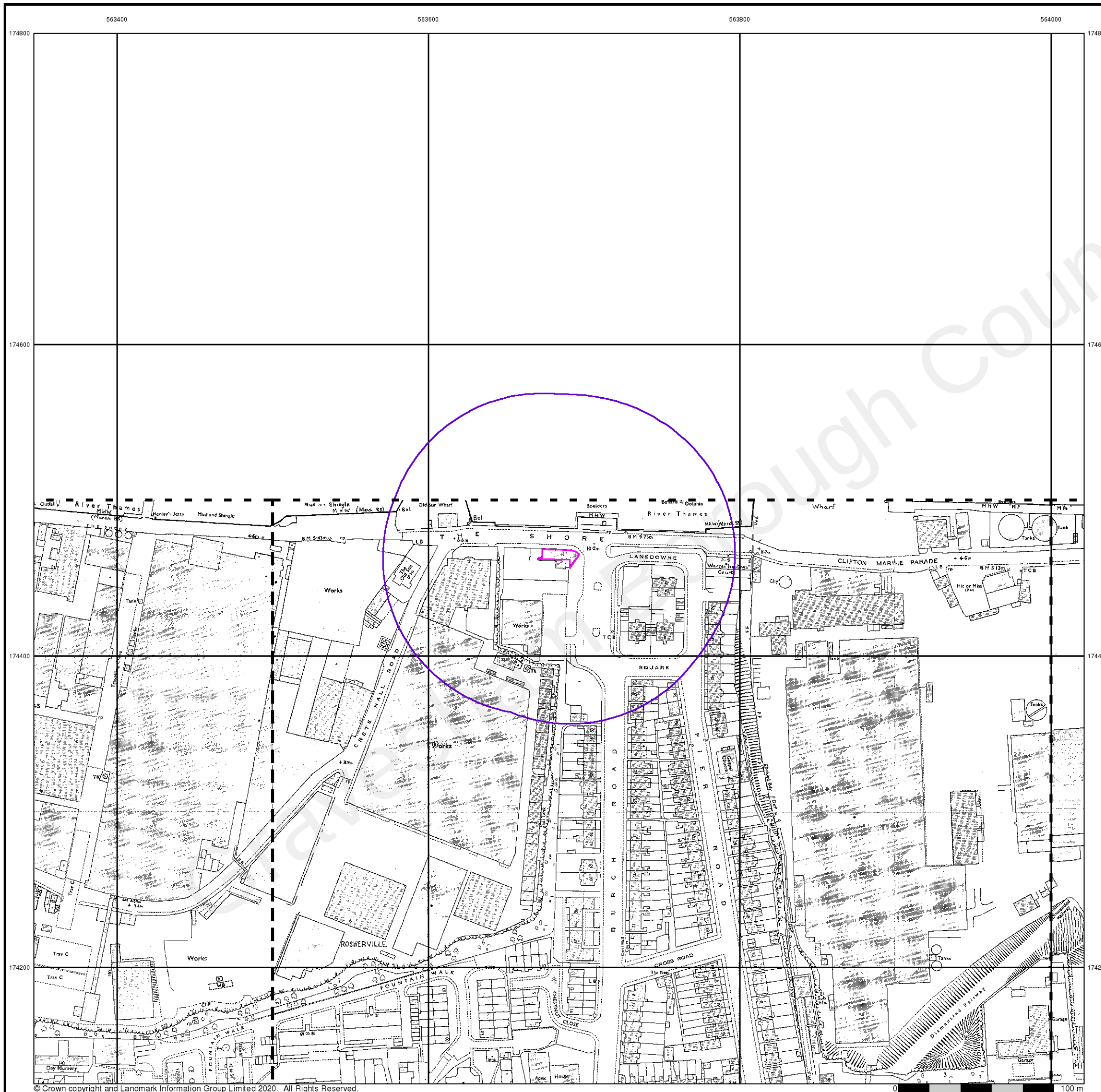
Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

## Site Details

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## Additional SIMs

Published 1985 - 1986

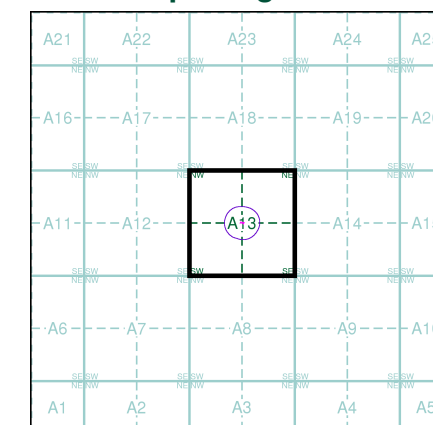
Source map scale - 1:1,250

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

## Map Name(s) and Date(s)

|                             |                             |                             |
|-----------------------------|-----------------------------|-----------------------------|
| TQ6374SW<br>1985<br>1:1,250 | TQ6374SE<br>1986<br>1:1,250 | TQ6474SW<br>1985<br>1:1,250 |
|-----------------------------|-----------------------------|-----------------------------|

## Historical Map - Segment A13



## Order Details

Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

## Site Details

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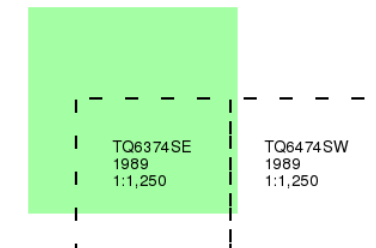
## Additional SIMs

**Published 1989**

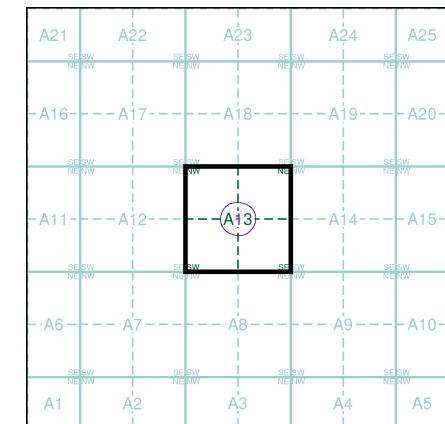
**Source map scale - 1:1,250**

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

## Map Name(s) and Date(s)



## Historical Map - Segment A13



## Order Details

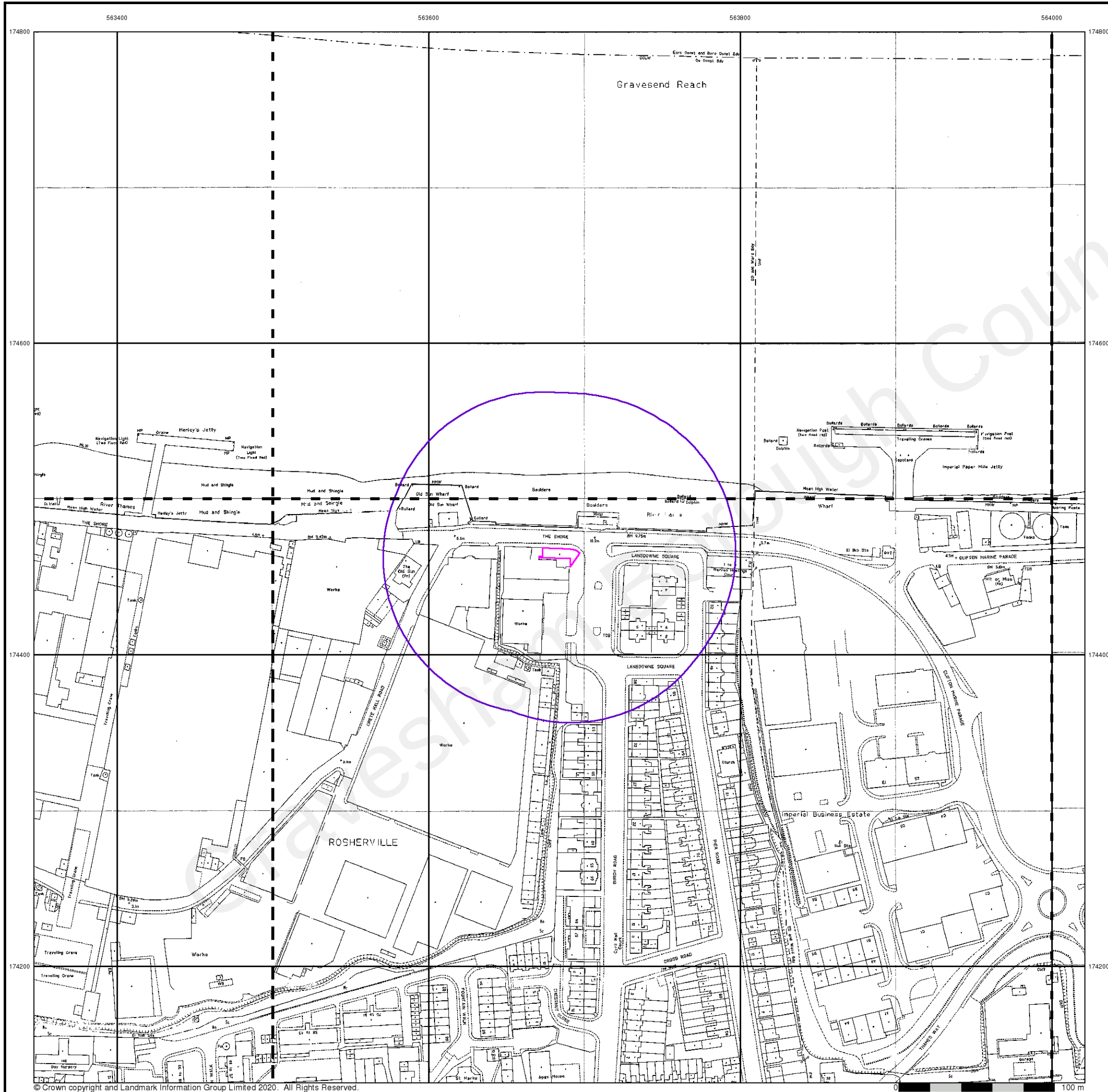
Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

## Site Details

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## Large-Scale National Grid Data

Published 1992

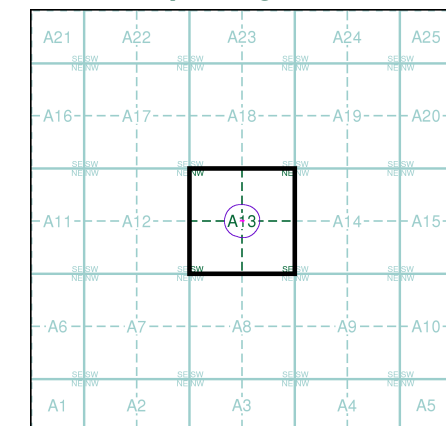
Source map scale - 1:1,250

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

### Map Name(s) and Date(s)

|          |          |          |
|----------|----------|----------|
| TQ6374NW | TQ6374NE | TQ6474NW |
| 1992     | 1992     | 1992     |
| 1:1,250  | 1:1,250  | 1:1,250  |
| TQ6374SW | TQ6374SE | TQ6474SW |
| 1992     | 1992     | 1992     |
| 1:1,250  | 1:1,250  | 1:1,250  |

### Historical Map - Segment A13



### Order Details

Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
Search Buffer (m): 100

### Site Details

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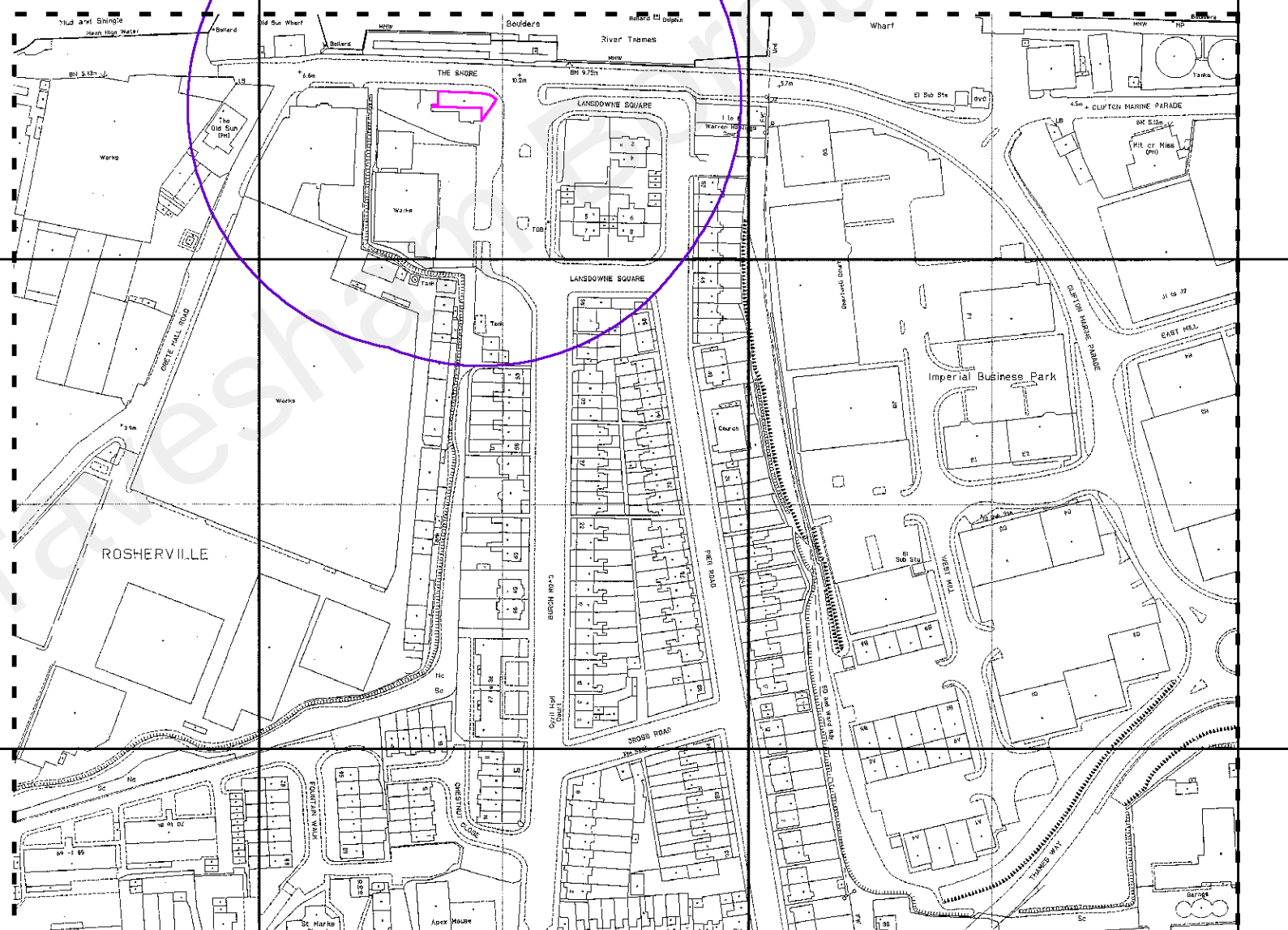
174800

174800

174600

174400

174200



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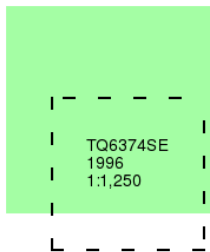
Large-Scale National Grid Data

Published 1996

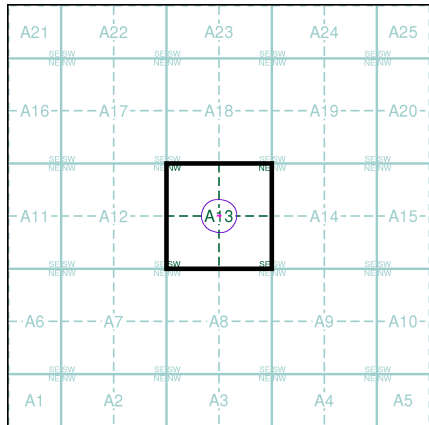
Source map scale - 1:1,250

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 259005690\_1\_1  
Customer Ref: 3748  
National Grid Reference: 563680, 174460  
Slice: A  
Site Area (Ha): 0.02  
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**APPENDIX C:  
HISTORICAL  
BOREHOLE LOGS**

# ADDITIONAL INFORMATION SHEET

Licence No. \_\_\_\_\_

271 / 134 TQ67/44 K-P

Date of completion  
of well catalogue

British Geological Survey

Date of publication

Additional Sheet No. \_\_\_\_\_

| DATE      | *                                                             | ADDITIONAL INFORMATION                                                                                                            | INIT.                                                                         |
|-----------|---------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| 21/5/71   | K                                                             | Uck } 300 No details 300<br>?Mck                                                                                                  |                                                                               |
|           | L                                                             | Made Made ground 5½ 5½<br>5½                                                                                                      |                                                                               |
|           |                                                               | Chalk 2½ 8                                                                                                                        |                                                                               |
|           |                                                               | Uck ) " & flints 169 177<br>?Mck ) Sticky " " " 35 212<br>29½ Chalk " " 10 222<br>Sticky " " " 48 270<br>Hard sticky chalk 30 300 |                                                                               |
|           | M                                                             | Made Made ground 5 5<br>5                                                                                                         |                                                                               |
|           |                                                               | Chalk & flints 200 205                                                                                                            |                                                                               |
|           |                                                               | Uck ) Sticky chalk & flints 27 232<br>?Mck ) Hard sticky chalk 68 300<br>295                                                      |                                                                               |
|           | N                                                             | Uck Chalk & flints 252 252<br>252                                                                                                 |                                                                               |
|           | P                                                             | Uck Chalk & flints 29 29<br>250½ Flints 8 37<br>Chalk & flints 213½ 250½                                                          |                                                                               |
| FILMED    | * INSERT WELL REFERENCE LETTER, IF MORE THAN ONE WELL AT SITE |                                                                                                                                   | P.T.O.                                                                        |
| Section 6 | Pumping test                                                  | Observ. well                                                                                                                      | Recorder                                                                      |
|           |                                                               |                                                                                                                                   | E.R. log                                                                      |
|           |                                                               |                                                                                                                                   | GEOLOGICAL SURVEY,<br>WATER DEPARTMENT<br>SOUTH KENSINGTON,<br>LONDON, S.W.7. |

**APPENDIX D:  
NOTES ON  
LIMITATIONS**

**LUSTRE CONSULTING, ENVIRONMENTAL AND GEOTECHNICAL  
CONSULTANCY SERVICES  
NOTES ON LIMITATIONS**

**General**

Lustre Consulting have completed the attached report for the use of the Client detailed on the front cover and those parties to whom Lustre Consulting has agreed to provide and has provided an executed warranty agreement, or to whom an assignment of the benefit of this report has been agreed.

Third parties are not entitled to use or rely upon the contents of the report unless written approval has been given by Lustre Consulting; (due to legal requirements, a charge may be levied as a condition of such approval, in which case approval shall not be effective unless and until such a charge has been paid in full).

Lustre Consulting accepts no responsibility or liability for:

- a) any use of this report for any purpose or project other than that for which it was commissioned, and
- b) any use of this report by any third party to whom approval for use has not been given and any conditions applicable to such use have been met.

**Phase I Environmental Risk Assessments, Desk Studies and Site Audits**

The work completed and utilised to provide this report comprises a study of available documentation. The opinions and results presented in this report have been arrived at by utilising the finite amount of data available at the time of writing and are relevant only to the purpose for which the report was commissioned. The data which has been reviewed should not be considered exhaustive and has been accepted in good faith as providing true and representative information pertaining to site conditions. Should additional information become available which may affect the opinions expressed in this report, Lustre Consulting reserves the right to review this information and, if warranted, to modify the opinions presented in the report accordingly.

It should be noted that the risks which are identified in this report are perceived risks based on the available information at the time of writing and that the actual risks associated can only be assessed following a physical investigation of the site.

**Phase II Site Investigations**

The intrusive investigation has been completed to provide information concerning the type and degree of contamination present along with ground and groundwater conditions which facilitates a reasonable risk assessment to be completed. The stated objectives of the ground investigation have been limited to assessing the proven risks which are associated with potential human targets, building materials, the environment (including adjacent land), and to surface water and groundwater.

The amount of exploratory work, chemical testing and monitoring completed as part of this project has potentially been restricted by the short timescale available, and the locations of exploratory holes undertaken have potentially been restricted to areas unoccupied by buildings(s) and buried services. A more comprehensive post demolition / decommission investigation may be required if the site is to be redeveloped. For these reasons any costs included in relation to site remediation must be considered as tentative only at this time.

The exploratory holes investigate only a small volume of the ground in relation to the size of the site and therefore, can only provide a “snap shot” or general indication of ground conditions located on the site. The fact that the site has been investigated does not preclude the existence of localised “hotspots” of contamination where concentrations may be significantly higher than those actually encountered.

The risk assessment and opinions provided in this report take into account currently available guidance values relating to acceptable contamination concentrations; no liability can be accepted for the retrospective effects of any future changes or amendments to these values.



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