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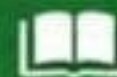
Brompton

CONSULTING

COLD HARBOUR FARM - EMSWORTH

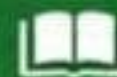
PHASE 1 DESK STUDY





NON-TECHNICAL SUMMARY

ITEM	SUMMARY
Site	Site located off Cold Harbour Farm Lane, Emsworth, Hampshire, PO10 7XA
Proposed Development	Low-rise residential housing development with private gardens, access and parking
Current Use	Grassed Field with drainage ditch present within the eastern section of the site, dissecting the site from north west to south east. Site is bound to the east by Southleigh Stream.
Site History	Historical mapping records show that the site has never been developed and has remained an open field from at least the late 1800s. A petrol filling station was constructed adjacent to the western site boundary in the early 1990s, with limited light industrial uses within 250m of the site including railway land, a works and a warehouse.
Key Sources of Potential Contamination	Minor sporadic areas of contamination may be present onsite as a result of agricultural use although any impact is expected to be minimal. Identified potential off-site sources of contamination include the adjacent Petrol Filling Station, railway land (100m south) a works and warehouse (115m south east) and a second Petrol Filling Station (150m west).
Geology, Hydrogeology and Hydrology	The BGS information shows that the eastern section of the site is directly underlain by superficial deposits of Head. The western section of the site is directly underlain by superficial River Terrace Deposits. The geological boundary between the Head and River Terrace Deposits dissects the site from north to south. The Head Deposits are present as a narrow band approximately 90m thick and extend approximately 30m off-site to the east. Across the site bedrock geology is listed as the London Clay Formation. Both superficial deposits have been classified as Secondary A Aquifers and the London Clay Formation as Unproductive Stratum. A drainage ditch is present within the eastern section of the site, which is in hydraulic continuity with the Southleigh Stream, which borders the site to the east. The Southleigh Stream enters Hayling Bay approximately 650m south of the site.
Risk Assessment	A moderate / low risk has been identified to future site users associated with the potential for the migration of hydrocarbon vapours from the adjacent PFS, particularly across the western section of the site. However, it is noted that the identified source is likely to be localised and not significant due to the PFS modern construction, no record of pollution incidents and the fact that the PFS is regulated and permitted by the Local Authority.
Conclusions and Recommendations	A limited Phase 2 Site Investigation is therefore recommended which would aim to assess the vapour risk posed by the adjacent Petrol Filling Station across the western section of the site.



PROJECT RECORD	
PROJECT NAME	COLD HARBOUR FARM - EMSWORTH
CLIENT	TELSTAR LTD
REPORT DETAILS	
TYPE	PHASE 1 DESK STUDY
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- APPENDIX B: HISTORICAL MAPS
- APPENDIX C: HISTORIC BOREHOLE LOGS
- APPENDIX D: NOTES ON LIMITATIONS

REGISTRATION OF AMENDMENTS

Revision and Date	Amendment Details	Revision Author	Revision Reviewer





1.0 INTRODUCTION

- 1.1 This Phase 1 Desk Study has been prepared for the site clearance and development of a site located off Coldharbour Farm Lane, in Emsworth, Hampshire, RH12 1DQ by Lustre Consulting Limited (Lustre) for Telstar Ltd. The assessment has been undertaken in accordance with our fee proposal dated 15/05/2019, which was formally approved by Telstar Ltd on 17/05/2019.
- 1.2 The site, irregular in plan, is centered at National Grid Reference 474530 106530, and occupies an approximate area of 1.92ha as shown in Figure 1. The site currently comprises open undeveloped land and is located to the north of Emsworth. Telstar Ltd requires this Phase 1 Desk Study to support the proposed development relating to the clearance of the site and subsequent construction of a low-rise residential housing development with private gardens. Figure 2 illustrates the proposed development scheme.

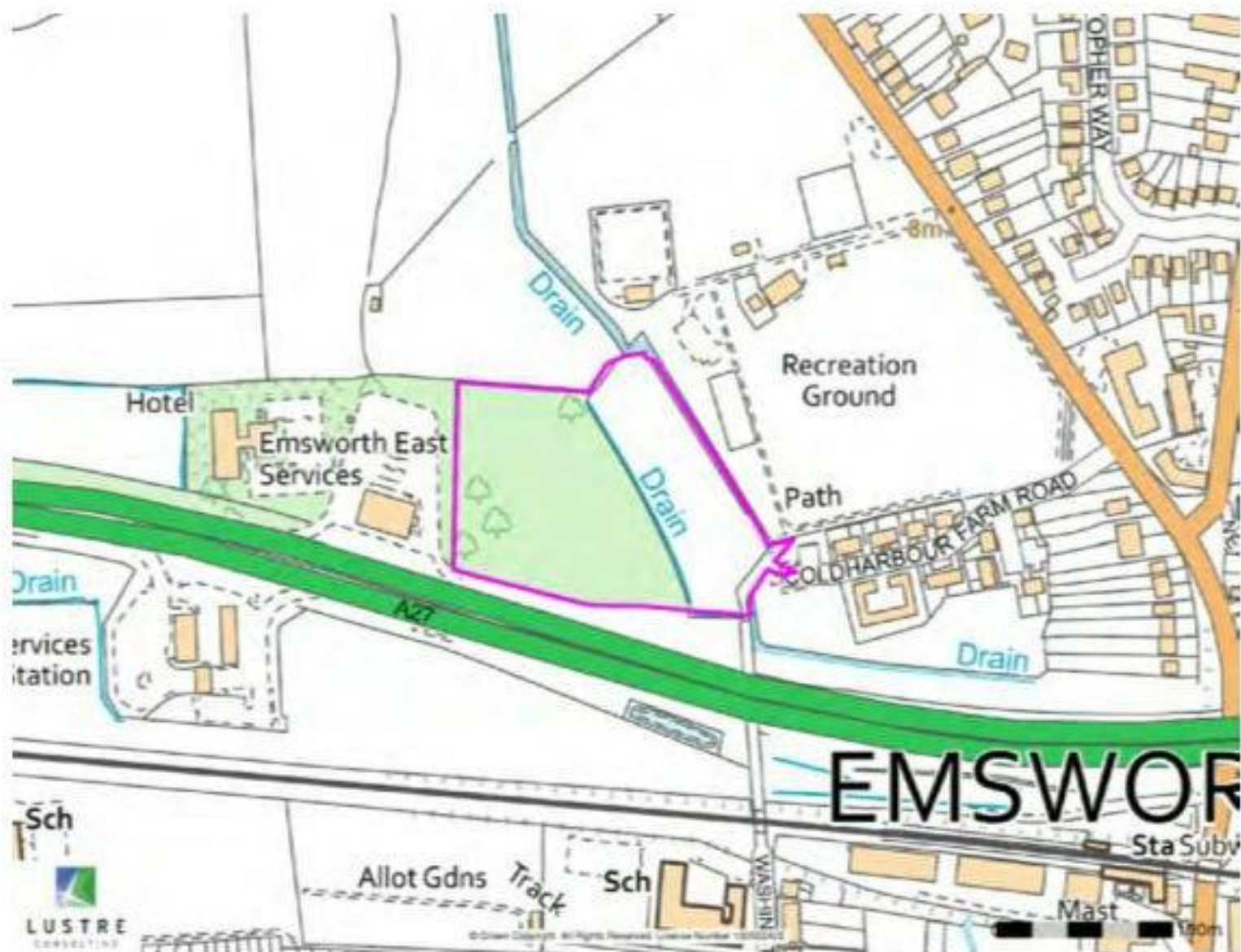


Figure 1: Site Location Plan





Figure 2: Proposed Site Layout

Objective

- 1.3 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

- 1.4 The scope of works for the desk study is summarised below:
- Review of available historical Ordnance Survey maps (dating back to the mid-1800s) 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.

1.5 The Phase 1 Desk Study has been prepared in keeping with best practice and current planning guidance. *The National Planning Policy Framework (NPPF)*¹ 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*²) requires a phased, risk-based approach when dealing with land affected by contamination in the UK.

1.6 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*². More information on Lustre's approach to such assessments can be found at the following link: www.lustreconsulting.com/Services/ContaminatedLandAssessment.aspx.

Asbestos Containing Materials (ACM)

1.7 Under Regulation 4 of the Control of Asbestos Regulations 2012³, 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

¹ Department for Communities and Local Government, National Planning Policy Framework, February 2019.

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

³ Control of Asbestos Regulations (CAR) 2012





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.

- 1.8 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.
- 1.9 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 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.
- 1.10 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

- 1.11 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.
- 1.12 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.
- 1.13 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.

- 1.14 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.
- 1.15 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

- 1.16 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 20th June 2019. Access was granted to all external areas.



Figure 3: Aerial Photograph





- 2.3 The site was present as an open field. No buildings were present on site and no evidence of former structures was noted during the site walkover.
- 2.4 Vegetation across the site generally comprised tall grasses, bushes and both mature and semi-mature trees. Ground elevation is sloping down to the south-eastern corner across the site.

*View across site**View across site**View of off-site PFS**Eastern part of site between ditch and Southleigh Stream**Southleigh Stream**Southleigh Stream at culvert*



Bulk Storage of Fuels and Hazardous Material

- 2.5 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.

Waste

- 2.6 The site is vacant and therefore no wastes are generated on site.

Drainage

- 2.7 The site is bound to the east by Southleigh Stream, which is oriented north west to south east, with a southerly flow and is also culverted beneath the south-eastern corner of the site adjacent to Cold Harbour Farm Road and footpath. During the walkover, water was present within this stream and flowing south-east. No evidence of contamination was noted within the stream. A surface water drainage ditch was present on site, extending across the eastern section of the site, dissecting this area of the site from north-west to south-east. This ditch was noted to be dry and likely ephemeral in nature.
- 2.8 No evidence of activities that would require a Discharge Consent was observed. Lustre has not been made aware of any oil / water interceptors within the site drainage system by the Client. No visual evidence of underground services (e.g. scars in the hardstanding, manhole covers) were noted during the site walkover. Existing drainage plans were not made available for viewing.

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

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

Potential Off-site Sources / Points of Interest

- 2.11 An operational petrol filling station (PFS) is present adjacent to the western site boundary. The PFS is of modern construction and good housekeeping noted. A historical borehole was noted on site near the PFS.

Further Surveys





- 2.12 Whilst the site walkover discussion 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.

Public Record Information

- 2.13 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 at Appendix A. A summary of the significant environmental issues and controls in the Envirocheck report is summarised in the following table.

Public Record	Features
Environmental Permits and Controls	Two Local Authority Pollution Prevention and Controls have been identified within 250m from the subject site: • 29m W for Shell Tcsemsworth East Service Station - Permit is dated 23rd December 1998 and relates to PG1/14 Petrol filling station under permit reference: PERM12/344HBC. • 142m W for BP Oil UK Ltd (Express Shopping) - Permit is dated 1st January 2014 and relates to PG1/14 Petrol filling station under permit reference: PERM14/02000.
Pollution Incidents to Controlled Waters	No pollution incidents to controlled waters have been identified within 250m of the subject site.
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 250m.
Landfill Sites	No historical landfill sites have been identified within 1km of the subject site. No Local Authority Recorded Landfill Sites have been identified within 1km of the subject site. No registered landfill sites have been identified within 1km of the subject site.
Waste Management Facilities	No Licensed Waste Management Facilities, Registered Waste Transfer Sites, Registered Waste Treatment or Disposal Sites have been identified within 250m of the subject site.
Contemporary Trade Directory Entries	Seven contemporary trade directory entries have been listed within 250m from the subject site. The closest entry is located 29m W for a petrol filling station (Shell Service Station), which is listed as active.





Public Record	Features
	Of the seven entries only three are active. The following trade classifications are recorded within 250m: petrol filling stations, fireplaces & mantelpieces, furniture - repairing & restoring, precision engineers, engineers - general.
Petrol Filling Stations (PFS)	Two fuel station entries have been listed within 250m from the subject site: 29m W - Operated by Shell Budgens Emsworth and is listed as open. 154m W - Operated by Emsworth SF Connect and is listed as open.

The approximate bearing of identified features is abbreviated with the first letter(s) (e.g. south-west = SW).

Review of Regulatory Information

- 2.14 A review of the available online planning records held by Havant Borough Council has not provided any pertinent environmental information relating to the subject site.

Site History

- 2.15 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 text and tables. 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.
- 2.16 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.
- 2.17 From the earliest mapping dated 1866 the site is present as open land / a field. At this time the field extended off-site further south west and north with Cold Harbour Farm present immediately to the south-east of the site. Southleigh Stream bordered the site to the east, with further fields/open land present beyond. By 1979, a surface water drain is shown to be present within the eastern section of the site, which dissects the site from north-west to south-east and joins Southleigh Stream adjacent to the south eastern corner of the site. The site has remained a field from at least 1866 until present. Mapping records and historical aerial imagery show no evidence of former structures, hardstanding or development during the site's history.
- 2.18 Environmentally pertinent historical information from the immediate surrounding area (within 250m) has been summarised in the following table.





Surrounding Land Use	Distance / Bearing	Date Feature Present	Date Feature Absent
Coldharbour Farm	Adjacent / SE	1866	1996
Residential		1996	Present
Petrol Filling Station	Adjacent / W	1993	Present
Electricity Substation	40m / W	1993	Present
Railway Line	100m / S	1866	Present
Builders Yard	115m / SE	1969	1979
Works and Warehouse		1979	Present
Allotment Gardens	125m / SW	1932	Present
Nursery	180m / NE	1932	1979
Residential		1979	Present
Railway Yard and Goods Shed	200m / SE	1866	1989
Station car park		1989	Present
Electricity substation	210m / SE	1993	Present

The approximate bearing of identified features is abbreviated with the first letter (e.g. south-west = SW). Approximate distances are interpreted from historical mapping and in metres.

Summary of Identified Potential Sources of Contamination

- 2.19 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.
- 2.20 Based on our understanding, it is considered that some potential sources can be discounted at this stage of the assessment. Potential sources of contamination have only been discounted 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.
- 2.21 No potentially contaminative land uses have been identified in this review on the subject site based on the site history and site walkover. Historical mapping records show that the site has never been developed and has remained an open field from at least the late 1800s with no potential point sources of contamination identified.
- 2.22 The off-site electrical substations located approximately 40m west and 210m south east of the site have been discounted from the risk assessment. Although the substations may have been constructed before the use of polychlorinated biphenyls (PCBs) was prohibited (and as such there is a potential for the leaching of transformer oils containing PCBs into the subsurface),





the substations are likely to have been regularly inspected and maintained in accordance with The Environmental Protection (Disposal of Polychlorinated Biphenyls and Other Dangerous Substances) (England and Wales) Regulations 2000, which require all equipment containing PCBs to be disposed of and decontaminated.

- 2.23 Cold Harbour Farm, present adjacent to the south east of the site from pre 1866 until 1996 has not been considered further as this area has been redeveloped to comprise a residential development. Considering this more sensitive end use, it is likely that this site was suitably investigated and remediated under the planning system to be fit for purpose, with the removal of any gross contamination, thereby removing any significant on-going sources of contamination which may impact the site.
- 2.24 The former nursery present 180m north east of the site and the former railway yard and goods shed present 200m south east of the site have not been considered further given the time that has lapsed since these features were operational and the low likelihood for residual contaminants to migrate onto site.
- 2.25 Viable potential sources of contamination noted in this chapter, which will be carried forward into the conceptual model and risk assessment, include:
- On-site: A layer of topsoil is expected on site. Anecdotal information indicates that for the last 25 years the site has been used for horses and the previous land use is understood to be similar. As such no recent agricultural use is anticipated. Any impact is considered to be very minor but could include contaminants such as asbestos, metals, inorganics, polyaromatic hydrocarbons (PAH) and total petroleum hydrocarbons (TPH) and pesticides. Depending on the amount of putrescible material present in the shallow soils this may represent a source of ground gas.
 - Off-site: An operational petrol filling station (PFS) has been present adjacent to the western site boundary since 1993. The PFS holds a Local Authority Pollution Prevention and Control Permit, ref: PERM12/344HBC. Inspection of the PFS during the site walkover showed this to be of modern construction with good housekeeping and a review of the regulatory information indicates that no pollution incidents have been recorded associated with the PFS. However, given its proximity to the site, the potential for the migration of contaminants, including TPH and BTEX compounds (vapours) should be considered.
 - Off-site: A limited number of additional current and historic commercial and industrial land uses have been identified within 250m of the site, which represent potential sources of contamination. Historical mapping records show various uses including





railway lines / land, allotment gardens and a works and warehouse whilst the regulatory information notes a second PFS present 142m west (permit ref: PERM14/02000, dated 2014). Given the proximity of these uses, the potential for contaminants to migrate onto site should be considered, including metals, organic and inorganic compounds, PAH, TPH and VOCs.





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 316)⁴ and the BGS website (National Geoscience Information Service)⁵ show the eastern section of the site to be directly underlain by superficial deposits of Head comprises gravel, sand and clay, locally with lenses of silt, clay or peat and organic material. The western section of the site is directly underlain by superficial River Terrace Deposits comprising sand and gravel, locally with lenses of silt, clay or peat. The geological boundary between the Head and the River Terrace Deposits dissects the site from north to south. The Head Deposits are present as a narrow band approximately 90m thick and extend approximately 30m off-site to the east.
- 3.3 Across the site the bedrock geology is listed as the London Clay Formation comprising poorly laminated, blue-grey or grey-brown, silty to very silty clay.
- 3.4 Given the recorded development of the site to date, a layer of Made Ground is not anticipated on site but rather topsoil.
- 3.5 Historic borehole records have been identified relating to boreholes drilled within the general vicinity of the site and surrounding area. The closest historic boreholes were recorded approximately 80m south-west of the site (SU70NW27 and SU70NW28). A summary of

⁴ BGS Solid and Drift Map Sheet 316

⁵ Information from BGS website: www.bgs.ac.uk consulted in month of report issue





ground conditions encountered is provided below and a copy of the borehole logs are included in Appendix C.

- Topsoil recorded to depths ranging between 0.30m and 0.50m bgl;
- Firm brown sandy silty clay with traces of gravel to depths ranging between 0.50m and 1.30m bgl;
- Firm to stiff mottled grey and brown silty clay to depths ranging between 2.00m and 2.90m bgl;
- Stiff fissured grey silty clay proven to a maximum depth of 3.50m bgl.
- No groundwater was recorded.

3.6 These two historical boreholes are recorded in an area where BSG mapping records show superficial River Terrace Deposits as being present. The ground profile recorded above indicates that where present the River Terrace Deposits are predominantly cohesive in nature.

3.7 Historic boreholes have also been recorded approximately 20m to the south east of the site (SU70NW47 and SU70NW30), in the area where BGS mapping records show superficial Head deposits as being present. The ground conditions encountered were recorded as follows:

- Topsoil recorded to depths ranging between 0.40m and 0.50m bgl;
- Soft to firm mottled brown and grey slightly sandy, silty clay with traces of fine to coarse gravel recorded to depths ranging between 0.90m and 1.30m bgl;
- Firm mottled brown silty clay with partings of fine sand recorded to depths ranging between 2.30m and 3.60m bgl.
- Stiff fissured grey silty clay recorded to a depth of 5.00m bgl;
- Very stiff to hard grey silty clay recorded to 15.00m bgl;
- Stiff to very stiff fissured grey silty clay proven to a depth of 20.00m bgl.
- Groundwater seepages were recorded at 6.20m bgl, 11.00m bgl and 15.00m bgl.

Ground Hazards

3.8 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	None





Details	On-Site Hazard Potential
Potential for Collapsible Ground Stability Hazards	Low
Potential for Compressible Ground Stability Hazards	No Hazard
Potential for Ground Dissolution Stability Hazards	No Hazard
Potential for Landslide Ground Stability Hazards	Very Low
Potential for Running Sand Ground Stability Hazards	Low
Potential for Shrinking or Swelling Clay Ground Stability Hazards	Low

- 3.9 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	Two BGS Recorded Mineral Sites (now ceased) have been identified within 1km from the subject site: 758m W at Emsworth Clay Pit. Mineral site operated as an opencast site extracting soils from the River Terrace Deposits. 860m NE at New Brighton Brick Works. Mineral site operated as an opencast site extracting soils from the River Terrace Deposits.
Man-Made Mining Cavities	None
Natural Cavities	No natural cavities have been identified within 1km of the subject site.
Radon Potential - Radon Affected Areas	No radon protective measures are necessary in the construction of new dwellings or extensions.

Hydrogeology

- 3.10 The Groundwater Vulnerability Map of England and the Environment Agency website⁶ have been reviewed to determine the aquifer designations. Both the River Terrace Deposits and the Head deposits are listed as being Secondary A aquifers. These are permeable strata capable of supporting water supplies at a local rather than strategic scale, and in some cases forming an important source of base flow to rivers. The London Clay Formation is listed as being an unproductive stratum. These are low permeability strata which are not considered to retain significant quantities of groundwater. If groundwater is present within unproductive

⁶ Information from Environment Agency Website: www.environment-agency.gov.uk consulted in month of report issue





strata, for example within more permeable lenses or small fissures, it is typically discontinuous, of low value and very low sensitivity.

- 3.11 The Environment Agency has defined Source Protection Zones (SPZs) for groundwater sources used for public drinking water supply. 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. The site is not located within a groundwater Source Protection Zone (SPZ). The nearest SPZ is located approximately 1.3km west from the site.

- 3.12 No groundwater abstractions are recorded within 1km of the site.

No groundwater discharge consents are recorded within 250m of the site.

Hydrology

- 3.13 The site is bound to the east by Southleigh Stream, which is oriented north west to south east, with a southerly flow and is also culverted beneath the south-eastern corner of the site adjacent to Cold Harbour Farm Road. A surface water drainage ditch, which may be in hydraulic continuity with Southleigh Stream is present across the eastern section of the site, dissecting this area of the site from north-west to south-east. Southleigh Stream enters Hayling Bay approximately 650m south of the site. River quality information is available for Southleigh Stream which is listed as having a GQA grade of D.

- 3.14 The River Ems and associated drainage channels are present approximately 500m to 750m east of the site. These are predominantly orientated north east to south west with a southerly flow in Hayling Bay. River quality information is available for the River Ems which is listed as having a GQA grade of B approximately 500m south east of the site.

- 3.15 No surface water abstractions are recorded within 1km of the site.

- 3.16 No surface water discharge consents are recorded within 250m of the site.

Environmental Statutory Designations

- 3.17 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, Sites of Special Scientific Interest, Ramsar Sites, Local Nature Reserves, Environmentally Sensitive Areas within 250m of the site.

- 3.18 The site lies within a Nitrate Vulnerable Zone.





Environmental Sensitivity

- 3.19 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*⁷ document.
- 3.20 Groundwater within the superficial deposits is considered to have a Moderate groundwater sensitivity (M2), which is described in the guidance as being a "Minor aquifer, low to moderately vulnerable, but with possible uses in general area, particularly for domestic supplies. May provide pathway to surface water." This reflects the classification of both the River Terrace Deposits and the Head Deposits as Secondary A aquifers.
- 3.21 Groundwater within the London Clay Formation is considered to have a Very Low groundwater sensitivity (L2), which is described in the guidance as being a "Not a recognised aquifer, but strata beneath site may retain a small amount of contaminated liquid but there is likely to be limited vertical penetration." Low permeability clays of the London Clay Formation are not anticipated to store or transmit large volumes of groundwater and are therefore not considered to be sensitive.
- 3.22 The site is considered to have a High surface water sensitivity (H2), which is listed in the guidance as a "Site within catchment and reasonable proximity (less than 500m) from a high quality watercourse or with the potential for the transmission of pollutants via baseflow from an aquifer with little subsurface attenuation or via an interconnected unclassified stream or drain." This reflects the presence of Southleigh Stream immediately adjacent to the eastern site boundary as well as the presence of a surface water drain within the eastern section of the site, which is connected to the Southleigh Stream.
- 3.23 The site is considered to have a low ecological sensitivity given the absence of any statutory designated ecological receptors either on-site or within proximity to the site.
- 3.24 The sensitivity classifications noted above have been taken into consideration in the development of the conceptual model presented at the rear of this report.

⁷ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008





Anthropology

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

Summary of Identified Receptors and Site-Specific Pollutant Linkages

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

Identified receptors:

- Future site residents and visitors,
- Ground / construction workers,
- Shallow groundwater within the River Terrace Deposits and Head Deposits (Secondary A Aquifers),
- Surface water,
- Adjacent land (including neighboring residential dwellings, wild animals, livestock),
- Flora,
- Below ground structures and foundations, and
- Potable water pipes.

Viable pathways and pollution linkages:

- 3.27 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:

- In areas of open ground, the following exposure pathways to humans are considered to be active:
 - Inhalation of contaminated dust,
 - Dermal contact and direct ingestion of contaminated soils, and
 - Indirect ingestion of contaminated soils sorbed to home-grown produce.

It is noted that these exposure pathways are only active in soft landscaped areas; permeant hardstanding breaks the potential pathways.

- 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 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. These processes are enhanced in areas of soft landscaping due to an increased infiltration potential. Conversely, areas of hardstanding reduce infiltration potential and leaching rates, which results in a lower mobility of any shallow contamination.
- Lateral migration of site-borne contaminants to off-site areas (down hydraulic gradient), including adjacent land and surface water (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 grown within areas of soft landscaping may be exposed to contaminants through root uptake mechanisms.
- 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.
- Ground gases generated off-site may also migrate through the Made Ground and more permeable lenses of the underlying natural soils onto site.

Non-viable pathways and pollution linkages

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

- The London Clay Formation is a low permeability clay geology, with a very low porosity and permeability. As such this stratum is not anticipated to be a viable groundwater aquifer or capable of storing or transmitting significant quantities of groundwater. Any groundwater present will likely be held within discontinuous more granular lenses and be of limited value and low significance. The potential for significant mobilisation of contamination within this stratum is therefore very low. As such, the vertical mixing of shallow groundwater to deeper groundwater can be discounted.





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 it is unlikely that contamination is present on site in a circumstance which could lead to unacceptable risks to identified receptors. This finding is due to the absence of any significant potential sources of contamination (current or historical). However, the site is bound to the west by a Petrol Filling Station (PFS), which has been operational since 1993. Due to the proximity of the Petrol Filling Station to the site, there is the potential for the migration of vapours via the permeable superficial deposits, which may impact future site users within the western section of the site.
- 4.3 As illustrated in the risk assessment table the majority 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 **moderate / low** risk has been identified to future site users associated with the potential for the migration of hydrocarbon vapours from the adjacent PFS, particularly across the western section of the site. However, it is noted that the identified source is likely to be localised and not significant due to the modern construction of the PFS, no record of pollution incidents and the fact that the PFS is regulated and permitted by the Local Authority.
 - An initial moderate/ low risk has been identified from ground gases within the shallow soils underlying the site, as well as associated with the potential off-site sources of contamination. Based on the CIRIA C665 risk matrices, the severity of this risk is the principal driver for the moderate / low risk rating. Acknowledging the unlikely occurrence due to the anticipated absence of any significant Made Ground and naturally low organic content of the underlying natural soils (River Terrace Deposits, Head Deposits and London Clay Formation), the risk from ground gas is considered to be **acceptably low** and it is our opinion that no further work or assessment is required regarding ground gas.





- 4.4 The qualitative nature of the risk assessment is not absolute. Furthermore, although very low and 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.
- 4.5 Based on the above risk ratings, a limited Phase 2 Site Investigation is recommended which would aim to assess the vapour risk posed by the adjacent Petrol Filling Station in the western section of the site. Detailed investigation is not considered necessary for this site.

Comments on Waste Classification

- 4.6 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 historic 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.
- 4.7 Should there 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 any intrusive works. 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*⁸), and Waste Acceptance Criteria (WAC) testing.

Preliminary Ground Model

- 4.8 The BGS information shows that the eastern section of the site is directly underlain by superficial deposits of Head comprises gravel, sand and clay, locally with lenses of silt, clay or peat and organic material. The western section of the site is directly underlain by superficial deposits of the River Terrace Deposits comprising sand and gravel, locally with lenses of silt, clay or peat. The geological boundary between the Head and River Terrace Deposits dissects the site from north to south. The Head Deposits are present as a narrow band approximately

⁸ Technical guidance WM3: Guidance on the Classification and Assessment of Waste (1st Edition 2015). Environment Agency.





90m thick and extend approximately 30m off-site to the east. Across the site the bedrock geology is listed as the London Clay Formation comprising poorly laminated, blue-grey or grey-brown, silty to very silty clay.

- 4.9 Historical boreholes within 100m of the site indicate where present the superficial deposits are of limited thickness, extending between 2.30m and 3.60m bgl and that where present the River Terrace Deposits are predominantly cohesive in nature. The London Clay Formation has been proven to at least 20m bgl. Infiltration rates are likely to be poor within the London Clay Formation and the anticipated thickness of the more permeable River Terrace Deposits and Head deposits will require assessment for attenuating the site's drainage.
- 4.10 Two BGS Recorded Mineral Sites have been identified within 1km from the subject site. The closest was recorded 758m W at Emsworth Clay Pit which operated as an opencast site extracting soils from the River Terrace Deposits (Undifferentiated). Status is listed as ceased
- 4.11 No man made or natural cavities are recorded within 1km of the site.
- 4.12 A geotechnical site investigation will likely be required to inform foundation design, soil infiltration etc and can be combined with the limited environmental investigation.

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



**CONCEPTUAL
MODEL & RISK
ASSESSMENT**

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^{9,10} undertaken to assess the source-pathway-receptor linkages. The potential for a pollution event to occur is evaluated using a risk classification tool¹¹. 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 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.

⁹ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

¹⁰ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

¹¹ 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.

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. 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. 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	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. Investigation is normally required to clarify the risk and determine the potential environmental liability. Some remedial works may be required over the longer term.
Low Risk	It is possible that harm could arise to a designated receptor from an identified hazard, but it is likely that this harm, if realised, would at worst normally be mild. Limited investigation may be recommended to clarify the risk, dependant on the sensitivity of the receptor and view point of those of interest. Any remedial works are likely to be fairly limited.
Very Low Risk	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.

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.

CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT

3229

Land to the West of Coldharbour Farm Lane

Report Ref: 3229_FP02.0-CSM


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CONCEPTUAL SITE MODEL				QUALITATIVE RISK ASSESSMENT			
Source	Pollutant	Pathway	Receptor	Likelihood of Occurrence	Consequence (severity)	Potential Risk	Justification of Risk
On-site	Asbestos, metals, inorganics, PAH, TPH, pesticides and herbicides	Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils, and indirect ingestion of contaminated soils sorbed to home-grown produce	Future residents and site visitors	Low Likelihood	Mild	Low	See Notes: 1, 2, 3, 4, 5
		Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils	Ground / construction workers	Unlikely	Mild	Very Low	See Notes: 6, 2, 7
	Metals, inorganics, PAH, TPH, pesticides and herbicides	Vertical migration downwards via leaching	Shallow groundwater within the superficial geology	Unlikely	Medium	Low	See Notes: 6, 2, 8, 9
		Lateral migration of contaminants to down hydraulic gradient surface water (baseflow) and surface water run off	Surface water	Unlikely	Medium	Low	See Notes: 6, 2, 10, 11
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater	Adjacent land	Unlikely	Medium	Low	See Notes: 6, 2, 12
	Copper, nickel, zinc	Root uptake mechanisms	Flora	Low Likelihood	Mild	Low	See Notes: 6, 2, 13
	Inorganics, Metals, PAH, TPH	Chemical attack from aggressive ground conditions (pH and water soluble sulphate) and shallow contamination	Buried services and below ground structures and foundations	Unlikely	Medium	Low	See Notes: 6, 2, 14
	Methane, Carbon Dioxide	Migration and accumulation within building voids and enclosed spaces	Building and site occupants	Unlikely	Severe	Moderate/low	See Notes: 15, 16, 17
Off-site	Petrol Filling Station	Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils, and indirect ingestion of contaminated soils sorbed to home-grown produce	Future residents and site visitors	Low Likelihood	Medium	Moderate/low	See Notes: 19, 20
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater	On site groundwater	Unlikely	Medium	Low	See Notes: 20, 21, 22

CONCEPTUAL SITE MODEL & QUALITATIVE RISK ASSESSMENT

3229

Land to the West of Coldharbour Farm Lane

Report Ref: 3229_FP02.0-CSM



LUSTRE
CONSULTING

CONCEPTUAL SITE MODEL					QUALITATIVE RISK ASSESSMENT			
Source		Pollutant	Pathway	Receptor	Likelihood of Occurrence	Consequence (severity)	Potential Risk	Justification of Risk
Off-site	Light industrial and commercial uses within the surrounding areas	Vapours	Inhalation of vapours from groundwater	Future residents and site visitors	Unlikely	Medium	Low	See Notes: 23, 24, 19, 25
		Metals, inorganics, PAH, TPH, VOCs, SVOCs	Lateral migration of contaminants to down hydraulic gradient areas in groundwater	On site groundwater	Unlikely	Medium	Low	See Notes: 23, 24, 19, 25, 22
		Methane, Carbon Dioxide	Migration and accumulation within building voids and enclosed spaces	Building and site occupants	Unlikely	Severe	Moderate/ low	See Notes: 15, 26, 27

JUSTIFICATION NOTES:

- Potential for a layer of reworked topsoil with possible contamination from pesticides and herbicides. Sporadic areas of minor contamination possible.
- Historical arable use means potential for pesticides/herbicides to have been sprayed on site.
- Private garden areas, exposure of end users to shallow soils likely
- No evidence of intensive farming noted on mapping records, structures or other contaminative uses.
- No evidence of contamination, burning grounds etc noted in walkover.
- Potential for a layer of reworked topsoil with possible contamination from pesticides and herbicides.
- Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks
- Not located in SPZ
- No abstractions listed in 1km
- Drainage channel present onsite and Southleigh Stream borders the site to the east
- Baseflow and surface water run off may contribute to surface water body
- Permeable superficial deposits - potential of lateral transmission of pollutants
- Private garden areas, exposure of flora to shallow soils likely
- Potable water pipes likely laid in natural soils
- Significant thickness / potential for putrescible materials low
- Organic material content of soils generally low
- Potential for accumulation of any ground gases in poorly ventilated areas
- Due to the close proximity to the site there is the potential for the migration of any residue vapours within the permeable shallow soils
- High permeability soils - potential of lateral transmission of pollutants
- Identified source(s) likely localised and not significant due to modern construction of PFS, no records of pollution incidents and the fact the PFS is regulated and permitted by the Local Authority
- High permeability soils - potential for vertical transmission of pollutants
- Site not located in a Groundwater Source Protection Zone and no abstractions within 1km of the site
- Distance to potential vapour source significant. Any volatiles in groundwater will have likely volatilised
- Identified source(s) likely localised and not significant
- Majority of identified sources likely located down hydraulic gradient of the site, therefore limited potential for the migration of potential contaminants onto site.
- Potential for migration of ground gases due to high permeability of soils
- Off site ground gas sources at significant distance

**APPENDIX A:
ENVIROCHECK
REPORT**

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

206456492_1_1

Customer Reference:

3229

National Grid Reference:

474530, 106530

Slice:

A

Site Area (Ha):

1.92

Search Buffer (m):

1000

Site Details:

Land to the west of Coldharbour Farm Lane
Emsworth
Hampshire
PO10 7XA

Client Details:

Mr M Dean
Lustre Consulting Ltd
Admirals Offices
The Historic Dockyard
Chatham
Kent
ME4 4TZ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	29
Hazardous Substances	31
Geological	32
Industrial Land Use	35
Sensitive Land Use	52
Data Currency	53
Data Suppliers	58
Useful Contacts	59

Introduction

The Environment Act 1995 has made site sensitivity a key issue, as the legislation pays as much attention to the pathways by which contamination could spread, and to the vulnerable targets of contamination, as it does the potential sources of contamination. For this reason, Landmark's Site Sensitivity maps and Datasheet(s) place great emphasis on statutory data provided by the Environment Agency/Natural Resources Wales and the Scottish Environment Protection Agency; it also incorporates data from Natural England (and the Scottish and Welsh equivalents) and Local Authorities; and highlights hydrogeological features required by environmental and geotechnical consultants. It does not include any information concerning past uses of land. The datasheet is produced by querying the Landmark database to a distance defined by the client from a site boundary provided by the client. In this datasheet the National Grid References (NGRs) are rounded to the nearest 10m in accordance with Landmark's agreements with a number of Data Suppliers.

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1			6	9
Prosecutions Relating to Controlled Waters			n/a	n/a	n/a
Enforcement and Prohibition Notices					
Integrated Pollution Controls					
Integrated Pollution Prevention And Control					
Local Authority Integrated Pollution Prevention And Control					
Local Authority Pollution Prevention and Controls	pg 4		2	1	4
Local Authority Pollution Prevention and Control Enforcements	pg 5		1		1
Nearest Surface Water Feature	pg 6	Yes			
Pollution Incidents to Controlled Waters	pg 6			2	20
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 9	1		1	1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points	pg 10				1
Substantiated Pollution Incident Register	pg 11		1		1
Water Abstractions	pg 11				(*2)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 11	Yes	n/a	n/a	n/a
Groundwater Vulnerability - Soluble Rock Risk			n/a	n/a	n/a
Groundwater Vulnerability - Local Information			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 11	Yes	n/a	n/a	n/a
Source Protection Zones					
Extreme Flooding from Rivers or Sea without Defences	pg 12	Yes		n/a	n/a
Flooding from Rivers or Sea without Defences	pg 12	Yes		n/a	n/a
Areas Benefiting from Flood Defences				n/a	n/a
Flood Water Storage Areas				n/a	n/a
Flood Defences				n/a	n/a
OS Water Network Lines	pg 12	2	13	9	120

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites					
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)					
Local Authority Landfill Coverage	pg 29	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites					
Potentially Infilled Land (Non-Water)	pg 29				5
Potentially Infilled Land (Water)	pg 29		4	5	14
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)	pg 31			1	
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)	pg 31			1	
Planning Hazardous Substance Consents	pg 31			2	
Planning Hazardous Substance Enforcements					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Geological					
BGS 1:625,000 Solid Geology	pg 32	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 32	Yes		Yes	Yes
BGS Recorded Mineral Sites	pg 33				2
BGS Urban Soil Chemistry					
BGS Urban Soil Chemistry Averages					
CBSCB Compensation District			n/a	n/a	n/a
Coal Mining Affected Areas			n/a	n/a	n/a
Mining Instability			n/a	n/a	n/a
Man-Made Mining Cavities					
Natural Cavities					
Non Coal Mining Areas of Great Britain				n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 33	Yes		n/a	n/a
Potential for Compressible Ground Stability Hazards				n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 33	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 33	Yes		n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 33	Yes		n/a	n/a
Radon Potential - Radon Affected Areas	pg 34	Yes	n/a	n/a	n/a
Radon Potential - Radon Protection Measures			n/a	n/a	n/a
Industrial Land Use					
Contemporary Trade Directory Entries	pg 35		7	21	65
Fuel Station Entries	pg 43		2		3
Points of Interest - Commercial Services	pg 43		2	7	20
Points of Interest - Education and Health	pg 45				3
Points of Interest - Manufacturing and Production	pg 46		3	15	9
Points of Interest - Public Infrastructure	pg 48		6	2	21
Points of Interest - Recreational and Environmental	pg 50		2		2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty	pg 52				1
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves	pg 52			1	
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 52	1		1	
Ramsar Sites	pg 52				1
Sites of Special Scientific Interest	pg 52				1
Special Areas of Conservation	pg 52				1
Special Protection Areas	pg 52				1
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SW (E)	0	1	474531 106527
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SW (SW)	82	1	474450 106400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (S)	111	1	474600 106350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	264	1	474900 106527
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	364	1	475000 106527
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (SE)	364	1	474800 106150
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14NW (E)	366	1	475000 106550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (E)	378	1	475000 106600
1	Discharge Consents Operator: Mr C J Curry Property Type: Undefined Or Other Location: White House, Horndean Road, Emsworth Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01935 Permit Version: 1 Effective Date: 3rd July 1964 Issued Date: 3rd July 1964 Revocation Date: 31st March 1997 Discharge Type: Non Water Company (Private) Sewage Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A13NW (N)	271	2	474430 106860
2	Discharge Consents Operator: Havant & Waterloo U.D.C. Property Type: Undefined Or Other Location: Highway , Seagull Lane, EMSWORTH , Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01711 Permit Version: 1 Effective Date: 17th April 1968 Issued Date: 17th April 1968 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	472	2	475020 106210
3	Discharge Consents Operator: Beta Marine Ltd. Property Type: Undefined Or Other Location: 71 North Street, Emsworth, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01081 Permit Version: 1 Effective Date: 21st November 1963 Issued Date: 21st November 1963 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	478	2	475020 106200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
3	Discharge Consents Operator: Weaver Mabbs Engineering Ltd. Property Type: Undefined Or Other Location: Yard & Offices At North Street, Emsworth, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: S01011 Permit Version: 1 Effective Date: 31st March 1965 Issued Date: 31st March 1965 Revocation Date: 11th May 1995 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	490	2	475020 106180
3	Discharge Consents Operator: British Gas (Southern) Plc Property Type: SUB-STATION/ELECTRICITY/GAS/AIR CONDITIONING SUPPLY Location: North Street, Emsworth, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: D01028 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 6th November 2001 Discharge Type: Unknown Discharge: Freshwater Stream/River Environment: Freshwater River Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	496	2	475010 106160
3	Discharge Consents Operator: Beta Marine Ltd. Property Type: Undefined Or Other Location: 71 North Street, EMSWORTH, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01081 Permit Version: 1 Effective Date: 21st November 1963 Issued Date: 21st November 1963 Revocation Date: 31st March 1997 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Freshwater River Receiving Water: Freshwater River Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	497	2	475020 106170
4	Discharge Consents Operator: A D Williams Coachworks Property Type: MAKING OF MOTOR VEHICLES+TRAILERS/CARS/CARAVANS Location: Unit 24, Palmers Road Industrial Estate, Unit 24, Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Authority: Environment Agency, Southern Region Catchment Area: Unknown to Emsworth Channel Reference: P10880 Permit Version: 1 Effective Date: 1st April 2004 Issued Date: 7th April 2003 Revocation Date: Not Supplied Discharge Type: Trade Effluent Discharge-Site Drainage Discharge: Freshwater Stream/River Environment: The River Ems Receiving Water: The River Ems Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	544	2	475010 106090

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: The Standen House Companies Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: 13-23 North Street, Emsworth Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: N01498 Permit Version: 1 Effective Date: 27th May 1981 Issued Date: 27th May 1981 Revocation Date: 1st July 1991 Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Saline Estuary Environment: Saline Estuary Receiving Water: Saline Estuary Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 10m	A9NW (SE)	552	2	475000 106070
5	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Lumley Road Pumping Station, Lumley Road P.S., Emsworth, West Sussex Authority: Environment Agency, Southern Region Catchment Area: The River Ems Reference: A00291 Permit Version: 2 Effective Date: 8th July 1993 Issued Date: 8th July 1993 Revocation Date: 31st May 1994 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: River Ems Receiving Water: River Ems Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	597	2	475180 106240
5	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Lumley Road Pumping Station, Lumley Road P.S., Emsworth, West Sussex Authority: Environment Agency, Southern Region Catchment Area: The River Ems Reference: A00291 Permit Version: 3 Effective Date: 1st June 1994 Issued Date: 8th July 1993 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: River Ems Receiving Water: River Ems Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	597	2	475180 106240
5	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Lumley Road Pumping Station, Lumley Road P.S., Emsworth, West Sussex Authority: Environment Agency, Southern Region Catchment Area: The River Ems Reference: A00291 Permit Version: 1 Effective Date: 30th October 1989 Issued Date: 30th October 1989 Revocation Date: 7th July 1993 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: River Ems Receiving Water: River Ems Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	597	2	475180 106240

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: PUMPING STATION ON SEWERAGE NETWORK (WATER COMPANY) Location: Sewage Pumping Station, Lumley Road, Emsworth, Hampshire Authority: Environment Agency, Southern Region Catchment Area: The River Ems Reference: S02125 Permit Version: 1 Effective Date: 15th November 1972 Issued Date: 15th November 1972 Revocation Date: 12th December 2011 Discharge Type: Sewage Discharges - Pumping Station - Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: River Ems Status: Surrendered under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A14SW (SE)	597	2	475180 106240
6	Discharge Consents Operator: Chidden Farms Property Type: Undefined Or Other Location: Southleigh Farm, Southleigh Road, Havant, Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: H01588 Permit Version: 1 Effective Date: 18th January 1963 Issued Date: 18th January 1963 Revocation Date: Not Supplied Discharge Type: Discharge Of Other Matter-Surface Water Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A17SE (NW)	810	2	473890 107180
7	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Woodbine Cottage, Eastleigh Road, Havant, Hampshire, PO9 2ny Authority: Environment Agency, Southern Region Catchment Area: Unknown to Emsworth Channel Reference: W00316 Permit Version: 1 Effective Date: 27th January 1979 Issued Date: 27th January 1979 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Drain Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	891	2	473870 107270
8	Discharge Consents Operator: Southern Water Services Ltd (H) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Kings Road, Emsworth Hampshire Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: A00329 Permit Version: 1 Effective Date: 1st April 1991 Issued Date: 1st April 1991 Revocation Date: 6th March 1996 Discharge Type: Public Sewage: Storm Sewage Overflow Discharge: Saline Estuary Environment: Receiving Water: Saline Estuary Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A3NW (S)	979	2	474270 105520
9	Local Authority Pollution Prevention and Controls Name: Shell Tcsemsworth East Service Station Location: A27 Eastbound, EMSWORTH, Hampshire, PO10 7RB Authority: Havant Borough Council, Environmental Health Department Permit Reference: PERM12/344HBC Dated: 23rd December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A13SW (W)	29	3	474414 106513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
10	Local Authority Pollution Prevention and Controls Name: Bp Oil Uk Ltd (Express Shopping) Location: (Bp) Emsworth Connect (Service Station), Westbound A27, Emsworth, Po10 7rb Authority: Havant Borough Council, Environmental Health Department Permit Reference: PERM14/02000 Dated: 1st January 2014 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SW (W)	142	3	474306 106446
11	Local Authority Pollution Prevention and Controls Name: Weldrite Engineering Ltd Location: 98 North Street, Emsworth, Po10 7pn Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/01591 Dated: 10th January 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Permitted Positional Accuracy: Located by supplier to within 10m	A13SE (SE)	277	3	474820 106278
12	Local Authority Pollution Prevention and Controls Name: A D Williams Coachworks Ltd Location: Unit 3-4 And 24 Palmers Road Industrial Estate, Emsworth, Po10 7dh Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00314* Dated: 26th May 2005 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	541	3	474975 106062
13	Local Authority Pollution Prevention and Controls Name: Texaco Star (Emsworth) Service Station Location: 21-25 Havant Road, EMSWORTH, Hampshire, PO10 7JD Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/00330 Dated: 9th December 1998 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Automatically positioned to the address	A8NE (S)	549	3	474649 105914
14	Local Authority Pollution Prevention and Controls Name: Solent Cleaners Ltd Location: 6 West Street, Emsworth, Po10 7dy Authority: Havant Borough Council, Environmental Health Department Permit Reference: HBC/IPPC/05/01962 Dated: 1st April 2007 Process Type: Local Authority Pollution Prevention and Control Description: PG6/46 Dry cleaning Status: Permitted Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	699	3	474894 105822
15	Local Authority Pollution Prevention and Controls Name: Havant Service Station Location: 87 Havant Road, EMSWORTH, Hampshire, PO10 7LE Authority: Havant Borough Council, Environmental Health Department Permit Reference: PERM14/343 Dated: 27th June 2000 Process Type: Local Authority Pollution Prevention and Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	804	3	473803 105999
16	Local Authority Pollution Prevention and Control Enforcements Location: Ensworth East Service Station, A27 Eastbound, Emsworth, Hampshire, Po10 7rb Type: Air Pollution Control Enforcement Notice Reference: HBC/EPA1/14/98 Date Issued: 19th September 2000 Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Manually positioned to the address or location	A13SW (W)	29	3	474414 106513

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
17	Local Authority Pollution Prevention and Control Enforcements Location: 21-25 Havant Road, Emsworth, Hampshire, Po10 7jd Type: Air Pollution Control Enforcement Notice Reference: HBC/EPA1/7/98 Date Issued: 26th June 2000 Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Manually positioned to the address or location	A8NE (S)	549	3	474649 105913
	Nearest Surface Water Feature	A13SE (E)	0	-	474612 106517
18	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil Coming Out Of Railway Culvert; Rail Incident Date: 22nd April 1995 Incident Reference: 1290 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	418	2	475020 106320
19	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: Location Description Not Available Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil Incident Date: 31st January 1992 Incident Reference: 280 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A14SW (SE)	463	2	475001 106201
20	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Unknown Note: Discoloured Discharge From S/W Drain Incident Date: 17th April 1996 Incident Reference: 1636 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	573	2	474950 106000
21	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Surface Water Outfall Location: Havant Road, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On Surface Of Mill Pond Incident Date: 24th November 1993 Incident Reference: 949 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8NE (S)	607	2	474750 105870
22	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Mill Pond, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil; Domestic/Residential Incident Date: 15th January 1994 Incident Reference: 841 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	640	2	474800 105850

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
23	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Mill Pond Emsworth Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil (Diesel) On Mill Pond; Domestic/Residential Incident Date: 31st August 1994 Incident Reference: 1446 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	667	2	474700 105800
24	Pollution Incidents to Controlled Waters Property Type: Other General Premises Location: Southleigh Stream, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Miscellaneous - Unknown Note: Creamy Scum; Miscellaneous Premises; Unknown Incident Date: 25th August 1995 Incident Reference: 2025 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Miscellaneous/Other Pollution Type Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	722	2	474900 105800
25	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Other Location: EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil On Mill Pond; Private Sewage (Non-Plc): Surface Water Outfall Incident Date: 15th January 1994 Incident Reference: 1037 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	728	2	474200 105800
26	Pollution Incidents to Controlled Waters Property Type: Transport, Storage, Communications Location: Millpond, Bridgefoot Path, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Insulating Oils (Transformer / Cable) Note: Not Supplied Incident Date: 24th March 1999 Incident Reference: 119 Catchment Area: Lavant Receiving Water: Potential River Cause of Incident: Structural Failure : Pipe Failure (Below Ground) Incident Severity: Category 3 - Minor Incident Positional Accuracy: Approximate location provided by supplier	A8SE (S)	766	2	474700 105700
27	Pollution Incidents to Controlled Waters Property Type: Construction Location: Up Stream Of, Emsworth Mill Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil On The R.Ems Incident Date: 15th April 1997 Incident Reference: 2099 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	853	2	475150 105800
27	Pollution Incidents to Controlled Waters Property Type: Construction Location: Upstream Of Slipper Mill Pond Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil On Water Course Incident Date: 3rd July 1997 Incident Reference: 2190 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Not Given Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	886	2	475200 105800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
28	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Bath Road Pond, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Petrol Note: Report Of Petrol On Pond Incident Date: 6th February 1993 Incident Reference: 571 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A8SE (S)	882	2	474800 105600
29	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Other Location: South Street, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil From Stream Entering Mill Pond Incident Date: 17th January 1996 Incident Reference: 796031 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Unknown Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (S)	908	2	474900 105600
30	Pollution Incidents to Controlled Waters Property Type: Industrial: Other Location: Where River Ems Enters Harbour Authority: Environment Agency, Southern Region Pollutant: Oils - Kerosene Fuel Oil Note: Diesel In Watercourse Incident Date: 10th April 1998 Incident Reference: 2528 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	924	2	475200 105750
30	Pollution Incidents to Controlled Waters Property Type: Private Sewage (Non-PLC): Water Treatment Works Location: Dolphin Quay, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel In R Ems Incident Date: 14th July 1998 Incident Reference: 2663 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Deliberate Disposal To Drain Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SW (SE)	928	2	475200 105745
31	Pollution Incidents to Controlled Waters Property Type: Water Company Sewage: Other Location: Farnesow Way, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: Oil In Stream: Water Company Sewage: Surface Water Outfall Incident Date: 9th March 1994 Incident Reference: 1134 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	940	2	473800 105800
32	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Outfall To Harbour Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil Discharge From Boat In River Ems Incident Date: 20th October 1992 Incident Reference: 515 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	960	2	475220 105720

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
32	Pollution Incidents to Controlled Waters Property Type: Not Given Location: Mill Pond Downstream River Ems, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Diesel Pollution Incident Date: 30th November 1993 Incident Reference: 802 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	979	2	475250 105720
32	Pollution Incidents to Controlled Waters Property Type: Boats/Ships Location: Dolphin Quay Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil On The Water Incident Date: 12th November 1993 Incident Reference: 782 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	994	2	475250 105700
32	Pollution Incidents to Controlled Waters Property Type: Transport, Storage, Communications Location: Adjacent To Informants Address, Harbour Way, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Other Mineral & Synthetic Oils Note: Not Supplied Incident Date: 21st January 1999 Incident Reference: 1911 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Other Cause Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A9SE (SE)	998	2	475250 105695
33	Pollution Incidents to Controlled Waters Property Type: Transport, Storage, Communications Location: Slipper Pond Authority: Environment Agency, Southern Region Pollutant: Organic Chemicals : Mixed / Unidentified / Waste Mineral & Synthetic Oils Note: Not Supplied Incident Date: 15th August 1999 Incident Reference: 2837 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Geological Movement : Other Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	990	2	475100 105600
34	Pollution Incidents to Controlled Waters Property Type: Domestic/Residential Location: A259, EMSWORTH Authority: Environment Agency, Southern Region Pollutant: Oils - Diesel (Including Agricultural) Note: Oil On Surface Of River Incident Date: 20th September 1992 Incident Reference: 305 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Oils/Related Products Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	991	2	475300 105750
	River Quality Name: Southleigh Strm GQA Grade: River Quality D Reach: Tidal Limit - Source Estimated Distance (km): 2.2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13NE (E)	0	2	474578 106542

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Ems GQA Grade: River Quality B Reach: Emsworth - Westbourne Estimated Distance 3.1 (km): Flow Rate: Flow less than 0.62 cumecs Flow Type: River Year: 2000	A14SW (SE)	491	2	475056 106230
	River Quality Name: Warblington Strm - No.1 GQA Grade: River Quality B Reach: Tidal Limit - Source Estimated Distance 1.5 (km): Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A7NW (SW)	754	2	473752 106185
35	River Quality Chemistry Sampling Points Name: River Ems Reach: Emsworth To Westbourne Estimated Distance: 3.10 Objective: Not Supplied Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1993 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1994 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1995 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1996 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1997 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 1998 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 1999 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2000 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2001 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2002 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2003 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2004 GQA Grade: River Quality Chemistry GQA Grade C - Fairly Good Compliance: Not Supplied Year: 2005 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2006 GQA Grade: River Quality Chemistry GQA Grade B - Good Compliance: Not Supplied Year: 2007 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2008 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied Year: 2009 GQA Grade: River Quality Chemistry GQA Grade A - Very Good Compliance: Not Supplied	A9SE (SE)	892	2	475230 105820

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
36	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 15th April 2006 Incident Reference: 391081 Water Impact: Category 2 - Significant Incident Air Impact: Category 3 - Minor Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Oils And Fuel: Gas And Fuel Oils	A13SE (SE)	173	2	474763 106368
37	Substantiated Pollution Incident Register Authority: Environment Agency - Southern Region, Solent and South Downs Incident Date: 1st March 2004 Incident Reference: 220057 Water Impact: Category 4 - No Impact Air Impact: Category 2 - Significant Incident Land Impact: Category 4 - No Impact Positional Accuracy: Located by supplier to within 10m Pollutant: Atmospheric Pollutants and Effects: Landfill Odour	A18NW (N)	888	2	474294 107465
	Water Abstractions Operator: Mr N Rule Licence Number: 10/41/511005 Permit Version: 100 Location: Watercourse At Mill House, Westbourne Authority: Environment Agency, Southern Region Abstraction: Aquaculture: Fish Farm/Cress Pond Throughflow Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 3409.1 Details: Mill House, Westbourne Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25NW (NE)	1820	2	475810 107920
	Water Abstractions Operator: Mr Nicholas Rule Licence Number: 511005 Permit Version: Not Supplied Location: Millhouse, WESTBOURNE Authority: Environment Agency, Southern Region Abstraction: Watercress / Fish Farm Abstraction Type: Not Supplied Source: Surface Daily Rate (m3): 45 Yearly Rate (m3): 3409 Details: River Lavant? Authorised Start: Not Supplied Authorised End: Not Supplied Permit Start Date: Not Supplied Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A25NW (NE)	1913	2	475860 108000
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - High Vulnerability Combined Vulnerability: High Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: High Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial Recharge: High	A13SW (E)	0	4	474531 106527
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SW (E)	0	4	474531 106527
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SW (E)	0	4	474531 106527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13NE (NE)	0	2	474543 106534
	Flooding from Rivers or Sea without Defences Type: Extent of Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A13SE (SE)	0	2	474557 106510
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 885.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13NE (NE)	0	5	474583 106560
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13NE (NE)	0	5	474546 106535
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	2	5	474607 106460
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 173.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	3	5	474612 106460
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	82	5	474625 106381
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	100	5	474620 106361
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	117	5	474669 106359

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	148	5	474771 106423
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 354.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SW (W)	154	5	474290 106531
47	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	156	5	474725 106356
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	174	5	474764 106366
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	180	5	474760 106355
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 67.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	182	5	474761 106353
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 194.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SW (W)	201	5	474242 106468
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 308.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SE (SE)	211	5	474734 106291
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 382.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A18SW (NW)	417	5	474279 106972

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 430.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	418	5	474032 106408
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 324.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (W)	447	5	473997 106550
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (W)	447	5	473997 106550
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 129.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (W)	453	5	473991 106572
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 574.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SW (SE)	454	5	475031 106260
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 116.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (E)	457	5	475067 106333
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8NE (S)	484	5	474728 105992
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 181.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (W)	495	5	473962 106697
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (E)	527	5	475149 106365

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SW (E)	529	5	475149 106356
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 63.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SW (E)	531	5	475152 106362
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 96.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (E)	535	5	475152 106346
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.4 Watercourse Level: Underground Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SW (E)	537	5	475137 106294
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 331.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NW (E)	556	5	475164 106671
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NW (E)	562	5	475196 106537
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NW (E)	563	5	475196 106534
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 89.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A18SE (NE)	578	5	474804 107125
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NW (E)	581	5	475213 106560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NW (E)	581	5	475213 106552
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 70.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NW (E)	581	5	475213 106552
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	582	5	475219 106482
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	586	5	475221 106447
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 74.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 2	A14SW (E)	587	5	475212 106370
77	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 45.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 2	A14SE (E)	587	5	475222 106449
78	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SW (E)	587	5	475213 106375
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A18SW (NW)	588	5	474221 107133
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 231.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A18SW (NW)	588	5	474221 107133

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	590	5	475216 106378
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 631.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A18SW (NW)	590	5	474222 107136
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (E)	594	5	475201 106302
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (E)	595	5	475196 106284
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	597	5	475223 106377
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (NW)	597	5	473915 106864
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (SE)	600	5	475189 106252
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (SE)	603	5	475184 106234
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 33.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (SE)	604	5	475183 106230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
90	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 379.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8NE (S)	605	5	474747 105871
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 169.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (NW)	605	5	473903 106859
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 150.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (NW)	605	5	473903 106859
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SW (SE)	609	5	475173 106198
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	610	5	475171 106192
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 53.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A19SW (NE)	611	5	474891 107113
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	615	5	475165 106172
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 185.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	616	5	475165 106170
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	618	5	475248 106402

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (NW)	618	5	473879 106839
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 41.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14SE (E)	621	5	475252 106407
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	621	5	475252 106407
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	626	5	475259 106422
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14SE (E)	626	5	475259 106422
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	628	5	475261 106426
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 153.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14SE (E)	629	5	475263 106430
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14SE (E)	631	5	475264 106420
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14SE (E)	632	5	475265 106420

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 383.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14SE (E)	658	5	475290 106410
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 124.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14NE (E)	667	5	475292 106609
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 641.1 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	667	5	473787 106361
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.6 Watercourse Level: Underground Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14NE (E)	668	5	475295 106603
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	668	5	473784 106375
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	672	5	473775 106409
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 103.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17SE (NW)	700	5	473990 107121
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17SE (NW)	712	5	473865 107003
116	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 123.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	723	5	475164 105990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	723	5	475164 105992
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	744	5	473700 106433
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	745	5	473699 106436
120	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 58.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	746	5	473698 106440
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	764	5	473678 106495
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	765	5	473677 106499
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 55.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	767	5	473675 106499
124	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17SE (NW)	768	5	473887 107117
125	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17SE (NW)	768	5	473887 107117

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
126	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NE (E)	769	5	475382 106684
127	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 69.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14NE (E)	769	5	475382 106684
128	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 205.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17SE (NW)	770	5	473882 107115
129	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 25.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SW (SE)	786	5	475108 105852
130	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 512.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14NE (E)	790	5	475345 106848
131	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A14NE (E)	792	5	475359 106824
132	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NE (E)	793	5	475359 106824
133	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	793	5	475429 106482
134	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	796	5	475432 106481

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
135	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 81.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	798	5	475434 106480
136	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 260.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NE (E)	802	5	475398 106749
137	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 36.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14NE (E)	803	5	475414 106694
138	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SW (SE)	811	5	475120 105830
139	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A9SW (SE)	813	5	475110 105820
140	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A9SW (SE)	813	5	475110 105820
141	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SW (SE)	813	5	475121 105828
142	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 168.7 Watercourse Level: Underground Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A9SW (SE)	816	5	475121 105825
143	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 95.1 Watercourse Level: Underground Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A9SW (SE)	818	5	475113 105816

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 858.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SW (W)	819	5	473624 106482
145	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 114.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	832	5	475211 105884
146	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 33.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NW (SE)	832	5	475211 105884
147	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 9.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	832	5	475235 105907
148	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 139.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	832	5	475250 105923
149	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	839	5	475473 106420
150	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NE (NW)	841	5	473887 107219
151	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	843	5	475336 106015
152	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 499.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	844	5	475338 106018

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	846	5	475479 106414
154	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	864	5	475342 105988
155	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 66.4 Watercourse Level: Underground Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14NE (E)	872	5	475490 106671
156	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 10.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	872	5	475349 105983
157	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 232.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17SW (NW)	875	5	473638 106926
158	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 360.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 2	A14NE (E)	900	5	475504 106736
159	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NW (NW)	908	5	473855 107279
160	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.5 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A14SE (E)	911	5	475544 106422
161	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 83.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A9SW (SE)	912	5	475173 105743

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
162	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A15SW (E)	921	5	475555 106422
163	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 294.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SW (SW)	921	5	473776 105851
164	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SW (SW)	921	5	473776 105851
165	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A15SW (E)	924	5	475558 106422
166	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A15SW (E)	930	5	475564 106423
167	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 118.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A15SW (E)	932	5	475566 106423
168	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NE (NW)	935	5	473964 107392
169	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 37.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SE (SE)	939	5	475285 105807
170	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 515.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SW (SW)	943	5	473791 105805

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
171	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 46.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NE (NW)	946	5	473933 107385
172	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 57.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A9SE (SE)	958	5	475235 105735
173	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A19SE (NE)	961	5	475456 107001
174	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 176.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A19SE (NE)	961	5	475456 107001
175	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 61.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SE (SE)	970	5	475251 105732
176	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 51.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SE (SE)	971	5	475293 105770
177	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 250.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 2	A3NE (S)	980	5	474814 105502
178	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 58.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A3NE (S)	980	5	474814 105502
179	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 1.7 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A3NE (S)	989	5	474869 105506

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 221.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Not Supplied Primacy: 1	A3NE (S)	990	5	474871 105506
181	OS Water Network Lines Watercourse Form: Tidal river Watercourse Length: 279.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: River Ems Catchment Name: West Streams Primacy: 1	A9SE (SE)	996	5	475232 105683

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Local Authority Landfill Coverage Name: Havant Borough Council - Has supplied landfill data		0	3	474531 106527
	Local Authority Landfill Coverage Name: Hampshire County Council - Had landfill data but passed it to the relevant environment agency		0	6	474531 106527
	Local Authority Landfill Coverage Name: Chichester District Council - Has no landfill data to supply		535	7	475156 106360
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		535	8	475156 106360
182	Potentially Infilled Land (Non-Water) Bearing Ref: W Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A12SW (W)	728	-	473733 106323
183	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A19SW (NE)	758	-	475120 107107
184	Potentially Infilled Land (Non-Water) Bearing Ref: S Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A8SE (S)	764	-	474652 105698
185	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A19NW (NE)	773	-	475034 107209
186	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1991	A19NW (NE)	984	-	475156 107382
187	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1910	A13SE (E)	152	-	474782 106442
188	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A13SE (E)	153	-	474787 106508
189	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A13SE (E)	156	-	474789 106526
190	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A13SE (SE)	211	-	474739 106294
191	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A13NW (N)	262	-	474424 106851
192	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A13NW (NW)	265	-	474390 106849
193	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A12SE (SW)	438	-	474053 106286
194	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A14SW (SE)	456	-	475038 106270
195	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A9NW (SE)	500	-	475005 106148
196	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A18SW (N)	525	-	474477 107125

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
197	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A18SW (NW)	546	-	474271 107106
198	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A7NE (SW)	566	-	474010 106122
199	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A8NW (S)	584	-	474361 105904
200	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A19SW (NE)	595	-	475031 106959
201	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A9NW (SE)	625	-	475158 106141
202	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A7NE (SW)	635	-	473962 106070
203	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A14SE (E)	644	-	475275 106401
204	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A8SW (S)	691	-	474383 105789
205	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1932	A14SE (E)	744	-	475378 106427
206	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A18NW (N)	751	-	474433 107348
207	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A17NW (NW)	879	-	473825 107213
208	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1898	A17NE (NW)	987	-	473929 107431
209	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1963	A7SW (SW)	990	-	473860 105686

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
210	Control of Major Accident Hazards Sites (COMAH) Name: Transco Plc Location: North Street, Emsworth, HAVANT, Hampshire, PO10 7DL Reference: Not Supplied Type: Lower Tier Status: Record Ceased To Be Supplied Under COMAH Regulations Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	483	9	474969 106135
211	Notification of Installations Handling Hazardous Substances (NIHHS) Name: Transco Location: Emsworth Holder Station, North St., Emsworth, Havant, Po10 7DI Status: Not Active Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	485	9	474966 106130
212	Planning Hazardous Substance Consents Name: British Gas Plc Location: Gasholder Station, Palmers Road, Emsworth, Hampshire, Po10 Authority: Havant Borough Council, Commercial Team Application Ref: 00/53484/002 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 32 Application date: Not Supplied Decision: Deemed Consent Granted Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	476	10	474952 106129
212	Planning Hazardous Substance Consents Name: British Gas Plc Location: Gas Holder Station, Palmers Road, EMSWORTH, Hampshire, PO10 7DL Authority: Havant Borough Council, Commercial Team Application Ref: 92/53484/001 Hazardous Substance: Liquefied extremely flammable gas (including LPG) and natural gas (whether liquefied or not) Maximum Quantity: 64 Application date: 28th October 1992 Decision: Unknown at time of report Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	482	10	474967 106135

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SW (E)	0	1	474531 106527
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (E)	0	1	474531 106527
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A13SW (SW)	0	1	474500 106500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 1.8 - 2.2 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	442	1	474000 106500
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 100 - 200 mg/kg Nickel Concentration: 15 - 30 mg/kg	A12SE (W)	443	1	474000 106527
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A7NE (SW)	657	1	474000 106000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: <15 mg/kg Cadmium Concentration: 2.2 - 3.0 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: 300 - 600 mg/kg Nickel Concentration: 15 - 30 mg/kg	A11SE (W)	942	1	473500 106500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
213	BGS Recorded Mineral Sites Site Name: Emsworth Clay Pit Location: Emsworth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163090 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A12SW (W)	758	1	473719 106259
214	BGS Recorded Mineral Sites Site Name: New Brighton Brick Works Location: New Brighton, Emsworth, Hampshire Source: British Geological Survey, National Geoscience Information Service Reference: 163111 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: River Terrace Deposits (Undifferentiated) Commodity: Common Clay and Shale Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	860	1	475163 107210
	BGS Measured Urban Soil Chemistry No data available				
	BGS Urban Soil Chemistry Averages No data available				
	Coal Mining Affected Areas In an area that might not be affected by coal mining				
	Non Coal Mining Areas of Great Britain No Hazard				
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	474540 106529
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	474540 106529
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (E)	0	1	474540 106529
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527
	Radon Potential - Radon Affected Areas Affected Area: The property is in an Intermediate probability radon area (1 to 3% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13SW (E)	0	1	474531 106527

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
215	Contemporary Trade Directory Entries Name: Shell Service Station Location: Emsworth By Pass, Emsworth, Hampshire, PO10 7RB Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (W)	29	-	474415 106513
215	Contemporary Trade Directory Entries Name: Total Location: Emsworth By Pass, Emsworth, Hampshire, PO10 7RB Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A13SW (W)	46	-	474396 106486
216	Contemporary Trade Directory Entries Name: B P Service Station Location: Emsworth By Pass, Emsworth, Hampshire, PO10 7BW Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	129	-	474346 106401
217	Contemporary Trade Directory Entries Name: Emsworth Fireplaces Ltd Location: Unit 3, Station Approach, North Street, Emsworth, Hampshire, PO10 7PW Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	159	-	474696 106327
218	Contemporary Trade Directory Entries Name: David Chandler Location: 13, Washington Road, Emsworth, Hampshire, PO10 7NN Classification: Furniture - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (S)	195	-	474637 106268
219	Contemporary Trade Directory Entries Name: Innova Design & Build Ltd Location: Unit 2, Station Approach, North Street, Emsworth, Hampshire, PO10 7PW Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	213	-	474765 106315
219	Contemporary Trade Directory Entries Name: Innova Design & Build Location: Unit 2, Station Approach, North Street, Emsworth, Hampshire, PO10 7PW Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	213	-	474765 106315
220	Contemporary Trade Directory Entries Name: Weldrite Chassis & Body Repairs Location: Unit 1, North Street Garage Yard, 98, North Street, Emsworth, Hampshire, PO10 7PN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (SE)	284	-	474834 106282
220	Contemporary Trade Directory Entries Name: Weldrite Engineering Services Ltd Location: 98 North Street, Emsworth, Hampshire, PO10 7PN Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	304	-	474842 106261
220	Contemporary Trade Directory Entries Name: D G Motor Engineers Location: A, 98, North Street, Emsworth, Hampshire, PO10 7PN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A13SE (SE)	307	-	474853 106269
221	Contemporary Trade Directory Entries Name: W & D Strings Location: Unit 3, Station Approach, North Street, Emsworth, PO10 7PW Classification: Sports Equipment Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	323	-	474800 106200

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
221	Contemporary Trade Directory Entries Name: Stone & Fire Location: Unit 3, Station Approach, North Street, Emsworth, PO10 7PW Classification: Fireplaces & Mantelpieces Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	323	-	474800 106200
221	Contemporary Trade Directory Entries Name: Coinwash Location: 1, Victoria Road, Emsworth, Hampshire, PO10 7NH Classification: Laundries & Launderettes Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	339	-	474845 106216
221	Contemporary Trade Directory Entries Name: Artec Engineering Ltd Location: Seagull Lane, Emsworth, Hampshire, PO10 7QH Classification: Metal Spinners Status: Active Positional Accuracy: Automatically positioned to the address	A14SW (SE)	381	-	474887 106198
222	Contemporary Trade Directory Entries Name: Screen Print 87 Location: Sultan Road, Emsworth, Hampshire, PO10 7PP Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	374	-	474918 106240
222	Contemporary Trade Directory Entries Name: Tealwood Co Ltd Location: Sultan Road, Emsworth, Hampshire, PO10 7PP Classification: Screen Process Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SW (SE)	374	-	474918 106240
223	Contemporary Trade Directory Entries Name: Chichester Solar Location: 167, Victoria Road, Emsworth, Hampshire, PO10 7LY Classification: Energy Efficient Products and Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	393	-	474084 106326
224	Contemporary Trade Directory Entries Name: Auric Solutions Ltd Location: 4, Maple Close, Emsworth, Hampshire, PO10 7RJ Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (NE)	405	-	474894 106823
225	Contemporary Trade Directory Entries Name: A F C Anodising Location: 2, Seagull Lane, Emsworth, PO10 7QH Classification: Anodisers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	421	-	474936 106190
225	Contemporary Trade Directory Entries Name: Afc Ltd Location: 2, Seagull Lane, Emsworth, Hampshire, PO10 7QH Classification: Anodisers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	421	-	474936 106190
225	Contemporary Trade Directory Entries Name: Emsworth Autos Location: 6, Seagull Lane, Emsworth, Hampshire, PO10 7QH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	440	-	474961 106187
225	Contemporary Trade Directory Entries Name: Contract Lifting Services Ltd Location: 6, Seagull Lane, Emsworth, Hampshire, PO10 7QH Classification: Crane Hire, Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	440	-	474961 106187
225	Contemporary Trade Directory Entries Name: M & D Autos Location: A. 6, Seagull Lane, Emsworth, Hampshire, PO10 7QH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	450	-	474957 106169

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
226	Contemporary Trade Directory Entries Name: A M W Transport & Light Haulage Location: Flat 10, Rockwood Court, 53-55, North Street, Emsworth, Hampshire, PO10 7PG Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	434	-	474884 106125
226	Contemporary Trade Directory Entries Name: Emsworth Car & Cycle Location: 41-43, North Street, Emsworth, Hampshire, PO10 7DA Classification: Car Radiator Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	466	-	474889 106088
226	Contemporary Trade Directory Entries Name: Weaver Mabbs Engineering Ltd Location: 31a, North Street, EMSWORTH, Hampshire, PO10 7DA Classification: Precision Engineers Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	484	-	474907 106078
226	Contemporary Trade Directory Entries Name: Emsworth Office Equipment Ltd Location: 31, North Street, Emsworth, Hampshire, PO10 7DA Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	497	-	474907 106062
227	Contemporary Trade Directory Entries Name: Westbrook Press Location: 35, St. James Road, Emsworth, Hampshire, PO10 7DW Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	480	-	474734 105997
228	Contemporary Trade Directory Entries Name: B M S Southern Ltd Location: Unit 11, Palmers Industrial Estate, Emsworth, Hampshire, PO10 7DL Classification: Nuts, Bolts & Fixings Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	503	-	474941 106082
228	Contemporary Trade Directory Entries Name: B C Kitting Ltd Location: Unit 2, 24, Palmers Road, Emsworth, PO10 7DL Classification: Electronic Component Manufacturers & Distributors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	512	-	474963 106090
228	Contemporary Trade Directory Entries Name: Aztec Circuits Ltd Location: 1, Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Printed Circuit Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	520	-	474968 106083
228	Contemporary Trade Directory Entries Name: Southern Tyres Location: 2, Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	530	-	474973 106074
228	Contemporary Trade Directory Entries Name: A D Williams Coachworks Ltd Location: 3-6, Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	542	-	474978 106062
228	Contemporary Trade Directory Entries Name: B F E S Location: Unit 9 Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Catering Equipment - Servicing & Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	561	-	474994 106052

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
229	Contemporary Trade Directory Entries Name: Antique Bed Location: 32, North Street, Emsworth, Hampshire, PO10 7DG Classification: Antiques - Repairing & Restoring Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	521	-	474894 106024
229	Contemporary Trade Directory Entries Name: Tacktick Location: 22, North Street, Emsworth, Hampshire, PO10 7DG Classification: Marine Electrical & Electronic Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	545	-	474911 106007
229	Contemporary Trade Directory Entries Name: Manchester House Location: 23A & B North St, Emsworth, Hampshire, PO10 7BY Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9NW (SE)	551	-	474939 106019
230	Contemporary Trade Directory Entries Name: Ryan James Chauffeurs Location: 38, Westbourne Avenue, Emsworth, Hampshire, PO10 7QU Classification: Car Engine Tuning & Diagnostic Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NW (E)	534	-	475104 106756
231	Contemporary Trade Directory Entries Name: T S P Location: 21, Woodlands Avenue, Emsworth, Hampshire, PO10 7QB Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A18SE (N)	535	-	474605 107138
232	Contemporary Trade Directory Entries Name: Emsworth Service Station Location: 21-25, Havant Road, Emsworth, Hampshire, PO10 7JD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	549	-	474649 105914
232	Contemporary Trade Directory Entries Name: Emsworth Service Station Location: 21-25, Havant Road, Emsworth, Hampshire, PO10 7JD Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	549	-	474649 105914
233	Contemporary Trade Directory Entries Name: Image Printers Location: 12a, North Street, Emsworth, Hampshire, PO10 7DQ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	552	-	474889 105985
233	Contemporary Trade Directory Entries Name: Manor Graphics Ltd Location: 12a, North Street, Emsworth, Hampshire, PO10 7DQ Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	552	-	474889 105985
233	Contemporary Trade Directory Entries Name: Recreational Surfaces Ltd Location: 12a, North Street, EMSWORTH, Hampshire, PO10 7DQ Classification: Asphalt & Coated Macadam Laying Contractors Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	552	-	474889 105985
233	Contemporary Trade Directory Entries Name: Emsworth Victoria Cottage Hospital Location: North Street, Emsworth, Hampshire, PO10 7DD Classification: Hospitals Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	589	-	474883 105939
233	Contemporary Trade Directory Entries Name: Medirest Location: North Street, Emsworth, Hampshire, PO10 7DD Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	589	-	474883 105939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
234	Contemporary Trade Directory Entries Name: South Coast Workshop Location: Unit 7, Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9NW (SE)	577	-	475005 106040
234	Contemporary Trade Directory Entries Name: Phaeton Garage Ltd Location: 8-9, Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	586	-	475009 106032
234	Contemporary Trade Directory Entries Name: B F Engineering Services Ltd Location: 9, Palmers Road Industrial Estate, Emsworth, PO10 7DH Classification: Catering Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NW (SE)	595	-	475011 106022
234	Contemporary Trade Directory Entries Name: Emsworth Tyre Services Ltd Location: 8 Palmers Road Industrial Estate, Emsworth, Hampshire, PO10 7DH Classification: Tyre Dealers Status: Active Positional Accuracy: Manually positioned within the geographical locality	A9NW (SE)	603	-	475015 106015
235	Contemporary Trade Directory Entries Name: Chronology Ltd Location: 63, Havant Road, Emsworth, Hampshire, PO10 7JQ Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	595	-	474177 105954
236	Contemporary Trade Directory Entries Name: Berkeley Fine Foods Location: 1, Warblington Road, Emsworth, Hampshire, PO10 7HE Classification: Food Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	607	-	474681 105858
236	Contemporary Trade Directory Entries Name: Waterline Ltd Location: Fiscal House, 2, Havant Road, Emsworth, Hampshire, PO10 7JE Classification: Marine Electrical & Electronic Equipment Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A8NE (S)	609	-	474716 105861
237	Contemporary Trade Directory Entries Name: Bodytech & Garage Services Location: 94 New Brighton Rd, Emsworth, Hampshire, PO10 7QS Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	623	-	474978 107059
238	Contemporary Trade Directory Entries Name: The Digital Revolution Location: 10b, West Street, Emsworth, Hampshire, PO10 7DY Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (SE)	679	-	474829 105819
239	Contemporary Trade Directory Entries Name: A A Hydraulics Location: Unit 2, 94, New Brighton Road, Emsworth, Hampshire, PO10 7QS Classification: Hydraulic Systems & Equipment Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	694	-	474998 107136
240	Contemporary Trade Directory Entries Name: Solent Cleaners Ltd Location: 6, West Street, EMSWORTH, Hampshire, PO10 7DY Classification: Dry Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	700	-	474894 105821
241	Contemporary Trade Directory Entries Name: Simply Filtration Ltd Location: 532, Southleigh Road, Emsworth, Hampshire, PO10 7TX Classification: Filtration Systems & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	721	-	474525 107326

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
242	Contemporary Trade Directory Entries Name: Emsworth Plant Location: Unit 1, 94, New Brighton Road, Emsworth, Hampshire, PO10 7QS Classification: Plant & Machinery Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	730	-	475060 107129
242	Contemporary Trade Directory Entries Name: Harissa Ltd Location: Quinton Fields, Emsworth, Hampshire, PO10 7QF Classification: Marine Equipment & Supplies Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A19SW (NE)	730	-	475072 107117
242	Contemporary Trade Directory Entries Name: Richards Blinds Location: Unit 2, 94, New Brighton Road, Emsworth, Hampshire, PO10 7QS Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	751	-	475092 107127
243	Contemporary Trade Directory Entries Name: Emsworth Home Hardware Location: 11-11a, High Street, Emsworth, Hampshire, PO10 7AQ Classification: Hardware Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	760	-	474942 105777
243	Contemporary Trade Directory Entries Name: Synergy Southern Location: 20a, High Street, Emsworth, PO10 7AW Classification: Heating Equipment - Sales & Service Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	772	-	474970 105778
244	Contemporary Trade Directory Entries Name: Velvin Ltd Location: Westminster Works, 15, Nile Street, Emsworth, Hampshire, PO10 7EF Classification: Rubber & Plastic Products - Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	776	-	474879 105733
245	Contemporary Trade Directory Entries Name: Help Location: 3, Lisle Way, Emsworth, Hampshire, PO10 7XN Classification: Pest & Vermin Control Status: Inactive Positional Accuracy: Automatically positioned to the address	A18NW (N)	782	-	474342 107365
246	Contemporary Trade Directory Entries Name: B P Petrol Station Location: 87, Havant Road, Emsworth, PO10 7LE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NW (SW)	796	-	473803 106011
246	Contemporary Trade Directory Entries Name: Southern Tyre & Battery Service Location: 87, Havant Road, Emsworth, Hampshire, PO10 7LE Classification: Garage Services Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	796	-	473803 106011
246	Contemporary Trade Directory Entries Name: B P Service Station Location: Havant Road, Emsworth, Hampshire, PO10 7LE Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	799	-	473803 106007
246	Contemporary Trade Directory Entries Name: B P Petrol Station Location: 87, Havant Road, Emsworth, Hampshire, PO10 7LE Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	804	-	473803 105999
247	Contemporary Trade Directory Entries Name: Quick Shine Location: The Square, High Street, Emsworth, Hampshire, PO10 7AL Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9SW (SE)	846	-	474986 105703

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
248	Contemporary Trade Directory Entries Name: Scaffs-Crew Location: 24, Ward Crescent, Emsworth, PO10 7RR Classification: Scaffolding & Work Platforms Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	856	-	475155 107213
249	Contemporary Trade Directory Entries Name: Jenny Wren Location: 21, Kings Road, Emsworth, Hampshire, PO10 7HN Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	867	-	474288 105631
250	Contemporary Trade Directory Entries Name: Maid In Heaven Location: 46, High Street, Emsworth, Hampshire, PO10 7AW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	868	-	475044 105710
250	Contemporary Trade Directory Entries Name: Maid In Heaven Location: 46a, High Street, Emsworth, Hampshire, PO10 7AW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	870	-	475047 105709
250	Contemporary Trade Directory Entries Name: How To Work Magic Location: 46a, High Street, Emsworth, Hampshire, PO10 7AW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	870	-	475047 105709
250	Contemporary Trade Directory Entries Name: Maid In Heaven Location: 46a, High Street, Emsworth, Hampshire, PO10 7AW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	870	-	475047 105709
250	Contemporary Trade Directory Entries Name: Maid In Heaven Location: 46a, High Street, Emsworth, Hampshire, PO10 7AW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	870	-	475047 105709
250	Contemporary Trade Directory Entries Name: Housework Magic Location: 46a, High Street, Emsworth, Hampshire, PO10 7AW Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	870	-	475047 105709
250	Contemporary Trade Directory Entries Name: Key Print Location: 2, Queen Street, Emsworth, Hampshire, PO10 7BL Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	876	-	475056 105706
250	Contemporary Trade Directory Entries Name: Telelift (UK) Ltd Location: 2, The Old Flour Mill, Queen Street, Emsworth, Hampshire, PO10 7BT Classification: Materials Handling Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	876	-	475056 105706
250	Contemporary Trade Directory Entries Name: Home Nursing Supplies Location: 51, High Street, Emsworth, Hampshire, PO10 7AN Classification: Disability Equipment - Manufacturers & Suppliers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A9SW (SE)	876	-	475031 105693
250	Contemporary Trade Directory Entries Name: Emsworth Marine Location: 5, Queen Street, Emsworth, Hampshire, PO10 7BJ Classification: Chandlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	896	-	475076 105695

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
250	Contemporary Trade Directory Entries Name: Polytronics Location: 3, The Old Flour Mill, Queen Street, Emsworth, Hampshire, PO10 7BT Classification: Electronic Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	897	-	475069 105690
251	Contemporary Trade Directory Entries Name: Wireless Measurement Location: 9a, The Old Flour Mill, Queen Street, Emsworth, PO10 7BT Classification: Temperature Monitoring Systems Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	873	-	475133 105762
251	Contemporary Trade Directory Entries Name: Emsworth Engineering Location: 24a, Queen Street, Emsworth, Hampshire, PO10 7BL Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	874	-	475124 105754
252	Contemporary Trade Directory Entries Name: United Carpet Cleaning Masters Location: 29a South St, Emsworth, Hampshire, PO10 7EG Classification: Carpet, Curtain & Upholstery Cleaners Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9SW (S)	891	-	474907 105621
253	Contemporary Trade Directory Entries Name: Dust In Time Southern Location: 17, Racton Road, Emsworth, PO10 7SY Classification: Cleaning Services - Domestic Status: Active Positional Accuracy: Automatically positioned to the address	A19NW (NE)	900	-	475011 107379
254	Contemporary Trade Directory Entries Name: Lillywhite Bros Ltd Location: 40, Queen Street, Emsworth, PO10 7BL Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A9SE (SE)	911	-	475230 105793
255	Contemporary Trade Directory Entries Name: Waterside Solutions Location: 38, Ward Crescent, Emsworth, Hampshire, PO10 7RR Classification: Fascias and Soffits Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	914	-	475178 107271
256	Contemporary Trade Directory Entries Name: Office Concept Installations Location: Southleigh Rd, Havant, Hampshire, PO9 2NX Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A17NW (NW)	929	-	473826 107282
257	Contemporary Trade Directory Entries Name: Chichester Harbour Conservancy Location: 47a, South Street, Emsworth, PO10 7EG Classification: Ports, Docks & Harbours Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (S)	938	-	474894 105567
258	Contemporary Trade Directory Entries Name: Stephen Anthony Design Ltd Location: Unit 4, Southleigh Farm, Southleigh Rd, Havant, Hampshire, PO9 2NX Classification: Cabinet Makers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A17SW (NW)	939	-	473700 107162
259	Contemporary Trade Directory Entries Name: Hilton Engineering Plastics Ltd Location: Boundary House, Westbourne Road, Emsworth, Hampshire, PO10 7RN Classification: Plastics - Injection Moulding Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NE (NE)	992	-	475285 107273

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
260	Fuel Station Entries Name: Shell Budgens Emsworth Location: A27(t) Eastbound , Emsworth, Hampshire, PO10 7RB Brand: Shell Premises Type: Service Area Status: Open Positional Accuracy: Automatically positioned to the address	A13SW (W)	29	-	474414 106513
261	Fuel Station Entries Name: Emsworth Sf Connect Location: A27(t) Westbound , Emsworth, Hampshire, PO10 7RB Brand: Bp Premises Type: Service Area Status: Open Positional Accuracy: Manually positioned to the address or location	A13SW (W)	154	-	474292 106452
262	Fuel Station Entries Name: Emsworth Service Station Location: 21-25, Havant Road , Emsworth, Hampshire, PO10 7JD Brand: Jet Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A8NE (S)	549	-	474649 105914
263	Fuel Station Entries Name: Havant Service Station Location: 87, Havant Road Norefarm Avenue, Emsworth, Hampshire, PO10 7LE Brand: Bp Premises Type: Petrol Station Status: Open Positional Accuracy: Manually positioned to the address or location	A7NW (SW)	799	-	473803 106007
264	Fuel Station Entries Name: Lillywhite Bros Ltd Service Station Location: 40, Queen Street , Emsworth, Hampshire, PO10 7BL Brand: Unbranded Premises Type: Petrol Station Status: Closed Positional Accuracy: Automatically positioned to the address	A9SE (SE)	914	-	475230 105788
265	Points of Interest - Commercial Services Name: Emsworth Sf Connect Location: A27(T) Westbound, Emsworth, PO10 7RB Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (W)	27	11	474416 106514
265	Points of Interest - Commercial Services Name: Car Wash Location: A27(T) Eastbound, Emsworth, Hampshire, PO10 7SU Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (W)	29	11	474414 106513
266	Points of Interest - Commercial Services Name: Weldrite Engineering Services Ltd Location: Unit 1 North Street Garage Yard 98, North Street, Emsworth, PO10 7PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	284	11	474834 106282
266	Points of Interest - Commercial Services Name: Station Garage Location: 98 North St, Emsworth, Hampshire, PO10 7PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	300	11	474840 106265
266	Points of Interest - Commercial Services Name: Station Garage Location: 98 North Street, Emsworth, PO10 7PN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (SE)	304	11	474842 106261
267	Points of Interest - Commercial Services Name: A M W Transport & Light Haulage Location: Flat 10 Rockwood Court 53-55, North Street, Emsworth, PO10 7PG Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9NW (SE)	434	11	474884 106125

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
267	Points of Interest - Commercial Services Name: Emsworth Car & Cycle Location: 41-43 North Street, Emsworth, PO10 7DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	466	11	474889 106088
267	Points of Interest - Commercial Services Name: Emsworth Car & Cycle Ltd Location: 41-43 North Street, Emsworth, PO10 7DA Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	466	11	474889 106088
267	Points of Interest - Commercial Services Name: K T M Location: Flat 2 Church Court 42a, North Street, Emsworth, PO10 7DJ Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (SE)	475	11	474864 106059
268	Points of Interest - Commercial Services Name: Dial-a-screen Location: Unit 1 24, Palmers Road, Emsworth, PO10 7DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	506	11	474963 106098
268	Points of Interest - Commercial Services Name: Tyre & Battery Location: 2 Palmers Road, Emsworth, PO10 7DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	513	11	474927 106058
268	Points of Interest - Commercial Services Name: Southern Tyres Location: 2 Palmers Road Industrial Estate, Emsworth, PO10 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	530	11	474972 106074
268	Points of Interest - Commercial Services Name: Dial-a-screen Ltd Location: 1 Palmers Road, Emsworth, PO10 7DL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	537	11	474944 106040
268	Points of Interest - Commercial Services Name: A D Williams Coachworks Ltd Location: 3-6 Palmers Road Industrial Estate, Emsworth, PO10 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	542	11	474978 106062
268	Points of Interest - Commercial Services Name: A D Williams Coachworks Ltd Location: 3-6 Palmers Road Industrial Estate, Emsworth, PO10 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	542	11	474977 106062
268	Points of Interest - Commercial Services Name: South Coast Workshop Location: Unit 7, Palmers Road Industrial Estate, Emsworth, PO10 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	577	11	475004 106039
268	Points of Interest - Commercial Services Name: Phaeton Garage Location: 8-9 Palmers Road Industrial Estate, Emsworth, PO10 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	586	11	475009 106032
268	Points of Interest - Commercial Services Name: Phaeton Garage Ltd Location: 8-9 Palmers Road Industrial Estate, Emsworth, PO10 7DH Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	586	11	475009 106032

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
269	Points of Interest - Commercial Services Name: Emsworth Service Station Location: 21-25 Havant Road, Emsworth, PO10 7JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	549	11	474649 105914
269	Points of Interest - Commercial Services Name: Car Wash Location: 21-25 Havant Road, Emsworth, PO10 7JD Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NE (S)	549	11	474649 105914
270	Points of Interest - Commercial Services Name: Pesthelp Ltd Location: 3 Lisle Way, Emsworth, PO10 7XN Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A18NW (N)	782	11	474342 107365
271	Points of Interest - Commercial Services Name: Havant Service Station Location: 87 Havant Road, Emsworth, PO10 7LE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	786	11	473818 106009
271	Points of Interest - Commercial Services Name: Southern Tyre & Battery Service Location: 87 Havant Road, Emsworth, PO10 7LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	796	11	473803 106011
271	Points of Interest - Commercial Services Name: Sycamore Cars Thames Rico Service Station Location: 87 Havant Road, Emsworth, PO10 7LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	796	11	473803 106011
271	Points of Interest - Commercial Services Name: Sycamore Cars Location: 87 Havant Road, Emsworth, PO10 7LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	796	11	473803 106011
271	Points of Interest - Commercial Services Name: Sycamore Cars Location: 87 Havant Road, Emsworth, PO10 7LE Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A7NW (SW)	797	11	473803 106011
271	Points of Interest - Commercial Services Name: Car Wash Location: 87 Havant Road, Emsworth, PO10 7LE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A7NW (SW)	799	11	473803 106007
272	Points of Interest - Commercial Services Name: Lillywhite Bros Ltd Location: 40 Queen Street, Emsworth, PO10 7BL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SE (SE)	911	11	475230 105793
272	Points of Interest - Commercial Services Name: Lillywhite Bros Ltd Location: 40 Queen Street, Emsworth, PO10 7BL Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9SE (SE)	911	11	475229 105793
273	Points of Interest - Education and Health Name: Victoria Cottage Hospital Location: North Street, Emsworth, PO10 7DD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NW (SE)	589	11	474883 105939

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
273	Points of Interest - Education and Health Name: Victoria Cottage Hospital, Emsworth Location: North Street, Emsworth, PO10 7DD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NW (SE)	589	11	474883 105939
273	Points of Interest - Education and Health Name: Victoria Cottage Hospital Location: North Street, Emsworth, PO10 7DD Category: Health Practitioners and Establishments Class Code: Hospitals Positional Accuracy: Positioned to address or location	A9NW (SE)	589	11	474883 105939
274	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	156	11	474681 106322
274	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A13SE (SE)	158	11	474686 106322
274	Points of Interest - Manufacturing and Production Name: Marble Classics Location: Unit 3 Station Approach, North Street, Emsworth, PO10 7PW Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A13SE (SE)	159	11	474696 106327
275	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	378	11	474913 106228
275	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	380	11	474916 106228
275	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	398	11	474911 106197
275	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	400	11	474914 106198
275	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	416	11	474932 106193
275	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	418	11	474952 106212
275	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	418	11	474936 106194

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
275	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	431	11	474957 106198
275	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	441	11	474939 106164
275	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	444	11	474943 106164
275	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	465	11	474988 106181
275	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	468	11	474992 106181
276	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8NE (S)	470	11	474737 106008
277	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	480	11	474913 106088
277	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	482	11	474917 106089
277	Points of Interest - Manufacturing and Production Name: Industrial Estate Location: PO10 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	560	11	474985 106045
278	Points of Interest - Manufacturing and Production Name: Surgery Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9NW (SE)	659	11	474889 105864
279	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	741	11	475086 107118
280	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	779	11	474878 105729

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
280	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A8SE (SE)	779	11	474874 105728
281	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	924	11	475193 105744
281	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	926	11	475198 105745
281	Points of Interest - Manufacturing and Production Name: Works Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SE (SE)	947	11	475216 105733
281	Points of Interest - Manufacturing and Production Name: Works Location: PO10 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A9SE (SE)	948	11	475216 105732
282	Points of Interest - Public Infrastructure Name: Total UK Ltd Location: Emsworth By-Pass, Emsworth, PO10 7RB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	27	11	474416 106514
282	Points of Interest - Public Infrastructure Name: Shell Service Station Location: Emsworth by Pass, Emsworth, PO10 7RB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	29	11	474414 106513
282	Points of Interest - Public Infrastructure Name: Tcs Emsworth East Location: Emsworth by Pass, Emsworth, PO10 7RB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	29	11	474415 106513
282	Points of Interest - Public Infrastructure Name: TCS Emsworth East Location: A27(T) Eastbound, Emsworth, Hampshire, PO10 7SU Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	29	11	474414 106513
283	Points of Interest - Public Infrastructure Name: BP Service Station Location: Emsworth By Pass, Emsworth, PO10 7BW Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	130	11	474345 106400
283	Points of Interest - Public Infrastructure Name: Emsworth Sf Connect Location: A27(T) Westbound, Emsworth, PO10 7RB Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (W)	154	11	474292 106452
284	Points of Interest - Public Infrastructure Name: Emsworth Rail Station Location: PO10 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13SE (SE)	256	11	474828 106316

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
284	Points of Interest - Public Infrastructure Name: Emsworth Station Location: North Street, PO10 Category: Public Transport, Stations and Infrastructure Class Code: Railway Stations, Junctions and Halts Positional Accuracy: Positioned to address or location	A13SE (SE)	256	11	474828 106316
285	Points of Interest - Public Infrastructure Name: Weir Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	523	11	475144 106362
285	Points of Interest - Public Infrastructure Name: Weir Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	528	11	475132 106305
285	Points of Interest - Public Infrastructure Name: Weir Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	541	11	475161 106354
285	Points of Interest - Public Infrastructure Name: Sluice Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	544	11	475153 106317
285	Points of Interest - Public Infrastructure Name: Weir Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SW (E)	593	11	475212 106346
286	Points of Interest - Public Infrastructure Name: Emsworth Service Station Ltd Location: 21-25 Havant Road, Emsworth, PO10 7JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	549	11	474649 105914
286	Points of Interest - Public Infrastructure Name: Emsworth Sstn Location: 21-25 Havant Road, Emsworth, PO10 7JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	549	11	474649 105914
286	Points of Interest - Public Infrastructure Name: Emsworth Service Station Location: 21-25 Havant Road, Emsworth, PO10 7JD Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A8NE (S)	549	11	474649 105913
287	Points of Interest - Public Infrastructure Name: Emsworth Fire Station Location: Emsworth Fire Station 10a, North Street, Emsworth, PO10 7DD Category: Central and Local Government Class Code: Fire Brigade Stations Positional Accuracy: Positioned to address or location	A9NW (SE)	580	11	474919 105970
288	Points of Interest - Public Infrastructure Name: Sewage Pumping Station Location: PO10 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A14SW (SE)	627	11	475213 106240
289	Points of Interest - Public Infrastructure Name: Sluice Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	635	11	475268 106430

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
290	Points of Interest - Public Infrastructure Name: Murco Havant Road Fs623 Location: 87 Havant Road, Emsworth, PO10 7LE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	796	11	473803 106011
290	Points of Interest - Public Infrastructure Name: BP Petrol Station Location: 87 Havant Road, Emsworth, PO10 7LE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	797	11	473803 106011
290	Points of Interest - Public Infrastructure Name: BP Petrol Station Location: 87 Havant Road, Emsworth, PO10 7LE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	797	11	473803 106011
290	Points of Interest - Public Infrastructure Name: Petrol Express Havant Road Location: 87 Havant Road, Emsworth, PO10 7LE Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A7NW (SW)	799	11	473803 106007
291	Points of Interest - Public Infrastructure Name: Weir Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A14NE (E)	800	11	475367 106823
292	Points of Interest - Public Infrastructure Name: Sluice Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A9SW (SE)	821	11	475123 105820
293	Points of Interest - Public Infrastructure Name: Weir Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A19SE (NE)	852	11	475371 106930
294	Points of Interest - Public Infrastructure Name: M J Backstall Location: 40 Queen Street, Emsworth, PO10 7BL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9SE (SE)	911	11	475230 105793
294	Points of Interest - Public Infrastructure Name: Lillywhite Bros Ltd Service Station Location: 40 Queen Street, Emsworth, PO10 7BL Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A9SE (SE)	914	11	475229 105788
295	Points of Interest - Public Infrastructure Name: Sluice Location: PO10 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A3NE (S)	985	11	474852 105506
296	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A13NE (NE)	22	11	474607 106563
296	Points of Interest - Recreational and Environmental Name: Skate Park Location: Coldharbour Farm Road, PO10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13NE (NE)	29	11	474583 106612

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
297	Points of Interest - Recreational and Environmental Name: Playground Location: Not Supplied Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	643	11	474671 107237
297	Points of Interest - Recreational and Environmental Name: Playground Location: Helston Drive, PO10 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to an adjacent address or location	A18NE (N)	643	11	474671 107237

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
298	Areas of Outstanding Natural Beauty Name: Chichester Harbour Multiple Areas: N Total Area (m2): 73161989.56 Designation Date: 28th February 1964 Source: Natural England	A8NE (S)	604	12	474744 105872
299	Local Nature Reserves Name: Brook Meadow (Emsworth) Multiple Area: Y Area (m2): 39443.34 Source: Natural England Designation Date: 12th November 2007	A14SW (SE)	433	12	475016 106277
300	Nitrate Vulnerable Zones Name: Chichester, Langstone And Portsmouth Harbours Eutrophic Nvz (Trac) Description: Eutrophic Water Source: Environment Agency, Head Office	A13SW (E)	0	4	474531 106527
301	Nitrate Vulnerable Zones Name: Warblington Stream - No.2 Nvz Description: Surface Water Source: Environment Agency, Head Office	A8NW (SW)	368	4	474250 106172
302	Ramsar Sites Name: Chichester And Langstone Harbours Multiple Areas: Y Total Area (m2): 58128984.11 Source: Natural England Reference: UK11013 Designation Date: Not Supplied	A9SW (S)	961	12	474897 105543
303	Sites of Special Scientific Interest Name: Chichester Harbour Multiple Areas: N Total Area (m2): 37335261.41 Source: Natural England Reference: 1003245 Designation Details: Local Nature Reserve Designation Date: 30th July 1985 Date Type: Notified Designation Details: Nature Conservation Review Designation Date: 30th July 1985 Date Type: Notified Designation Details: Ramsar Site Designation Date: 30th July 1985 Date Type: Notified Designation Details: Special Area Of Conservation Designation Date: 30th July 1985 Date Type: Notified Designation Details: Special Protection Area Designation Date: 30th July 1985 Date Type: Notified Designation Details: Site Of Special Scientific Interest Designation Date: 30th July 1985 Date Type: Notified Designation Details: Water Framework Directive (WFD) Designation Date: 30th July 1985 Date Type: Notified	A9SW (S)	961	12	474897 105543
304	Special Areas of Conservation Name: Solent Maritime Multiple Areas: Y Total Area (m2): 112408255.03 Source: Natural England Reference: UK0030059 Status: Designated	A9SW (S)	961	12	474897 105543
305	Special Protection Areas Name: Chichester And Langstone Harbours Multiple Areas: Y Total Area (m2): 58128983.559999995 Source: Natural England Reference: UK9011011 Designation Date: Not Supplied	A9SW (S)	961	12	474897 105543

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices East Hampshire District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department Portsmouth City Council - Health and Trading Standards	January 2015 January 2015 July 2013 October 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	January 2019	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	Annual Rolling Update
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Variable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region	January 2019 January 2019	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2015 October 2014	Variable Variable Variable Variable
Local Authority Pollution Prevention and Controls Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2015 October 2014	Not Applicable Annual Rolling Update Annual Rolling Update Not Applicable
Local Authority Pollution Prevention and Control Enforcements Portsmouth City Council - Environmental Health Department East Hampshire District Council - Environmental Health Department Havant Borough Council - Environmental Health Department Chichester District Council - Environmental Health Department	August 2014 December 2014 December 2015 October 2014	Variable Variable Variable Variable
Nearest Surface Water Feature Ordnance Survey	January 2019	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	Annual Rolling Update
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	Annual Rolling Update
Registered Radioactive Substances Environment Agency - Southern Region	June 2016	
River Quality Environment Agency - Head Office	November 2001	Not Applicable
River Quality Biology Sampling Points Environment Agency - Head Office	July 2012	Annually
River Quality Chemistry Sampling Points Environment Agency - Head Office	July 2012	Annually
Substantiated Pollution Incident Register Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	January 2019 January 2019 January 2019 January 2019	Quarterly Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	January 2019	Quarterly

Agency & Hydrological	Version	Update Cycle
Water Industry Act Referrals Environment Agency - Southern Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	Annually
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	Annually
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	January 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	February 2019	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	February 2019	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	February 2019	Quarterly
Flood Defences Environment Agency - Head Office	February 2019	Quarterly
OS Water Network Lines Ordnance Survey	January 2019	Quarterly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	Annually
Surface Water Suitability Environment Agency - Head Office	October 2013	Annually
BGS Groundwater Flooding Susceptibility British Geological Survey - National Geoscience Information Service	May 2013	Annually

Waste	Version	Update Cycle
BGS Recorded Landfill Sites British Geological Survey - National Geoscience Information Service	June 1996	Not Applicable
Historical Landfill Sites Environment Agency - Head Office	July 2018	Quarterly
Integrated Pollution Control Registered Waste Sites Environment Agency - Southern Region	October 2008	Not Applicable
Licensed Waste Management Facilities (Landfill Boundaries) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	July 2018 July 2018 July 2018 July 2018	Quarterly Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Hampshire and Isle of Wight Area Office Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	January 2019 January 2019 January 2019 January 2019	Quarterly Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Chichester District Council - Environmental Health Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Chichester District Council - Environmental Health Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Environmental Health Department Portsmouth City Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Hampshire Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2003 March 2003 March 2003	Not Applicable Not Applicable Not Applicable

Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Chichester District Council - Planning Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Commercial Team Portsmouth City Council - Planning Office West Sussex County Council - Environment & Development	February 2016 February 2016 February 2016 February 2016 February 2016 October 2006	Variable Variable Variable Variable Variable Annual Rolling Update
Planning Hazardous Substance Consents Chichester District Council - Planning Department East Hampshire District Council Hampshire County Council - Minerals and Waste Planning Havant Borough Council - Commercial Team Portsmouth City Council - Planning Office West Sussex County Council - Environment & Development	February 2016 February 2016 February 2016 February 2016 February 2016 October 2006	Variable Variable Variable Variable Variable Annual Rolling Update
Geological	Version	Update Cycle
BGS 1:625,000 Solid Geology British Geological Survey - National Geoscience Information Service	January 2009	Not Applicable
BGS Estimated Soil Chemistry British Geological Survey - National Geoscience Information Service	October 2015	Annually
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2019	Bi-Annually
CBSCB Compensation District Cheshire Brine Subsidence Compensation Board (CBSCB)	August 2011	Not Applicable
Coal Mining Affected Areas The Coal Authority - Property Searches	March 2014	Annual Rolling Update
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually

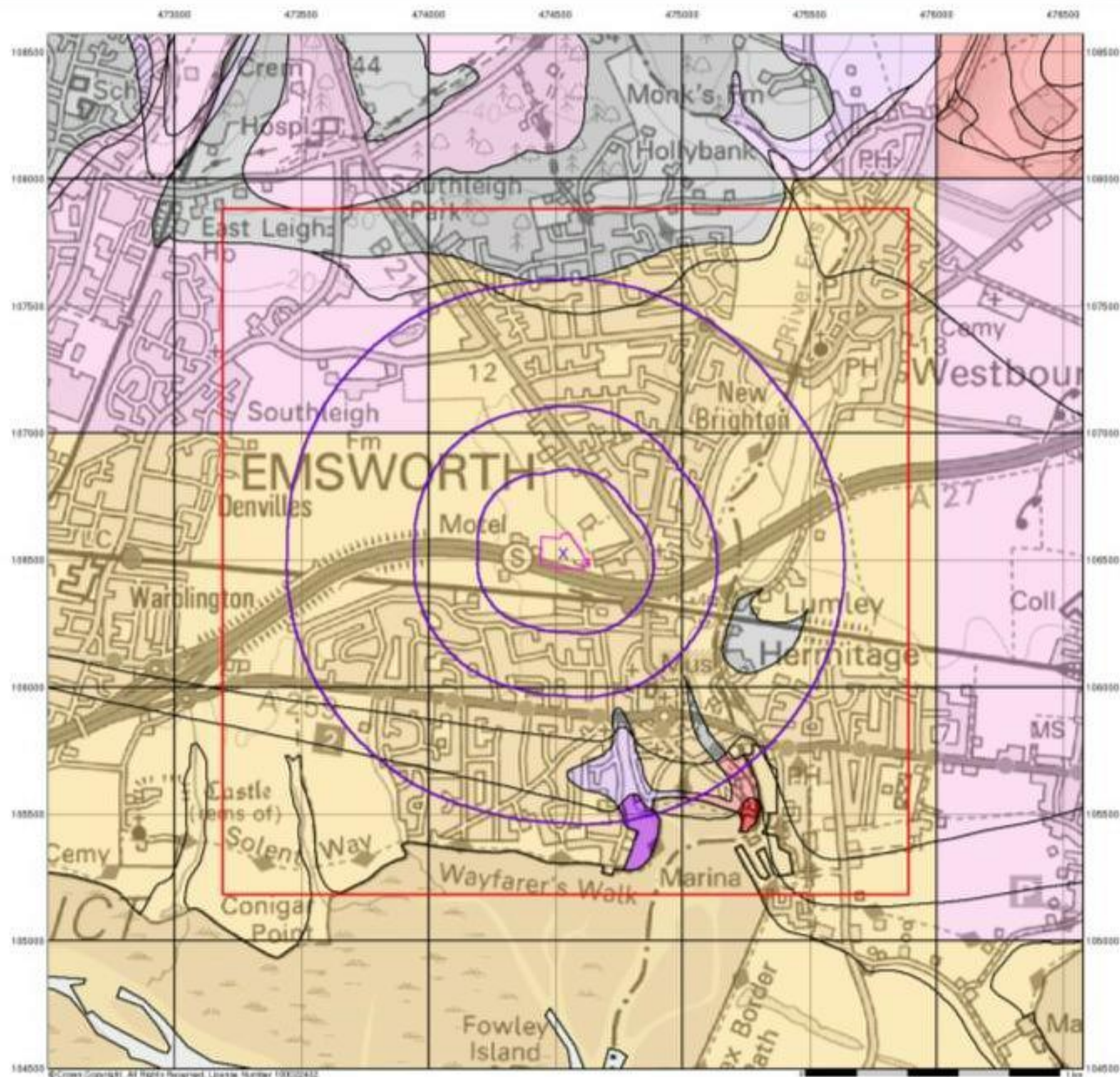
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	April 2019	Quarterly
Fuel Station Entries Catalist Ltd - Experian	May 2019	Quarterly
Gas Pipelines National Grid	July 2014	
Points of Interest - Commercial Services PointX	November 2018	Quarterly
Points of Interest - Education and Health PointX	November 2018	Quarterly
Points of Interest - Manufacturing and Production PointX	November 2018	Quarterly
Points of Interest - Public Infrastructure PointX	November 2018	Quarterly
Points of Interest - Recreational and Environmental PointX	November 2018	Quarterly
Underground Electrical Cables National Grid	December 2015	
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	August 2018	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2018	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	March 2019	Bi-Annually
Marine Nature Reserves Natural England	January 2018	Bi-Annually
National Nature Reserves Natural England	August 2018	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	December 2017 October 2015	Bi-Annually
Ramsar Sites Natural England	April 2019	Bi-Annually
Sites of Special Scientific Interest Natural England	March 2019	Bi-Annually
Special Areas of Conservation Natural England	August 2018	Bi-Annually
Special Protection Areas Natural England	April 2019	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	Telephone: 0115 936 3143 Fax: 0115 936 3276 Email: enquiries@bgs.ac.uk Website: www.bgs.ac.uk
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	Telephone: 03708 506 506 Email: enquiries@environment-agency.gov.uk
3	Havant Borough Council - Environmental Health Department Public Service PLaza, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 023 9244 6677 Email: env.services@havant.gov.uk Website: www.havant.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	Telephone: 01454 624400 Fax: 01454 624409
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	Telephone: 03456 05 05 05 Email: customerservices@ordnancesurvey.co.uk Website: www.ordnancesurvey.gov.uk
6	Hampshire County Council - Minerals and Waste Planning Room 130, Ashburton Court West, The Castle, Winchester, Hampshire, SO23 8UD	Telephone: 01962 841841 Fax: 01962 847055 Website: www.hants.gov.uk
7	Chichester District Council - Environmental Health Department East Pallant House, 1 East Pallant, Chichester, West Sussex, PO19 1TY	Telephone: 01243 785166 Fax: 01243 776766 Website: www.chichester.gov.uk
8	West Sussex County Council - Environment & Development County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	Telephone: 01243 777100 Website: www.westsussex.gov.uk
9	Health and Safety Executive 5S.2 Redgrave Court, Merton Road, Bootle, L20 7HS	Website: www.hse.gov.uk
10	Havant Borough Council - Commercial Team Civic Offices, Civic Centre Road, Havant, Hampshire, PO9 2AX	Telephone: 02392 474174 Fax: 02392 446659 Website: www.havant.gov.uk
11	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	Website: www.pointx.co.uk
12	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	Telephone: 0300 060 3900 Email: enquiries@naturalengland.org.uk Website: www.naturalengland.org.uk
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	Telephone: 01235 822622 Fax: 01235 833891 Email: radon@phe.gov.uk Website: www.ukradon.org
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	Telephone: 0844 844 9952 Fax: 0844 844 9951 Email: customerservices@landmarkinfo.co.uk Website: www.landmarkinfo.co.uk

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



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Groundwater Vulnerability

General

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

Agency and Hydrological

Bedrock Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer
- Unproductive Aquifer
- Soluble Rock

Superficial Aquifers

- High Vulnerability, Principal Aquifer
- High Vulnerability, Secondary Aquifer
- Medium Vulnerability, Principal Aquifer
- Medium Vulnerability, Secondary Aquifer
- Low Vulnerability, Principal Aquifer
- Low Vulnerability, Secondary Aquifer

Site Sensitivity Context Map - Slice A



Order Details

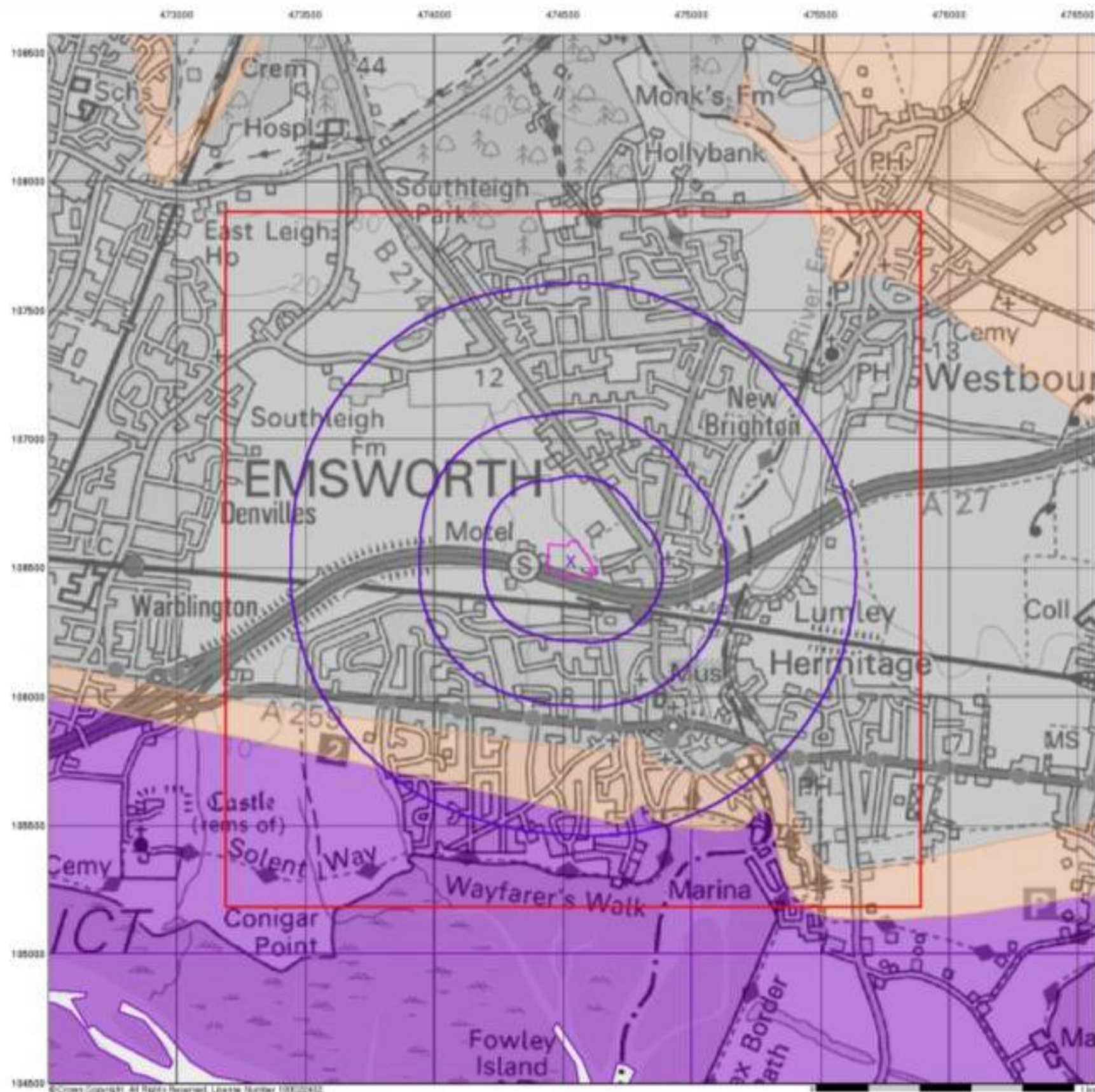
Order Number: 206456492_1_1
Customer Ref: 3229
National Grid Reference: 474530, 106530
Slice: A
Site Area (Ha): 1.92
Search Buffer (m): 1000

Site Details

Land to the west of Coldharbour Farm Lane, Emsworth, Hampshire, PO10 7XA

Landmark
INFORMATION GROUP

Tel: 0544 544 3552
Fax: 0544 544 3551
Web: www.survcheck.co.uk



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Bedrock Aquifer Designation

General

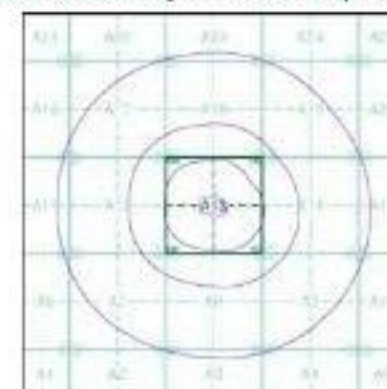
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

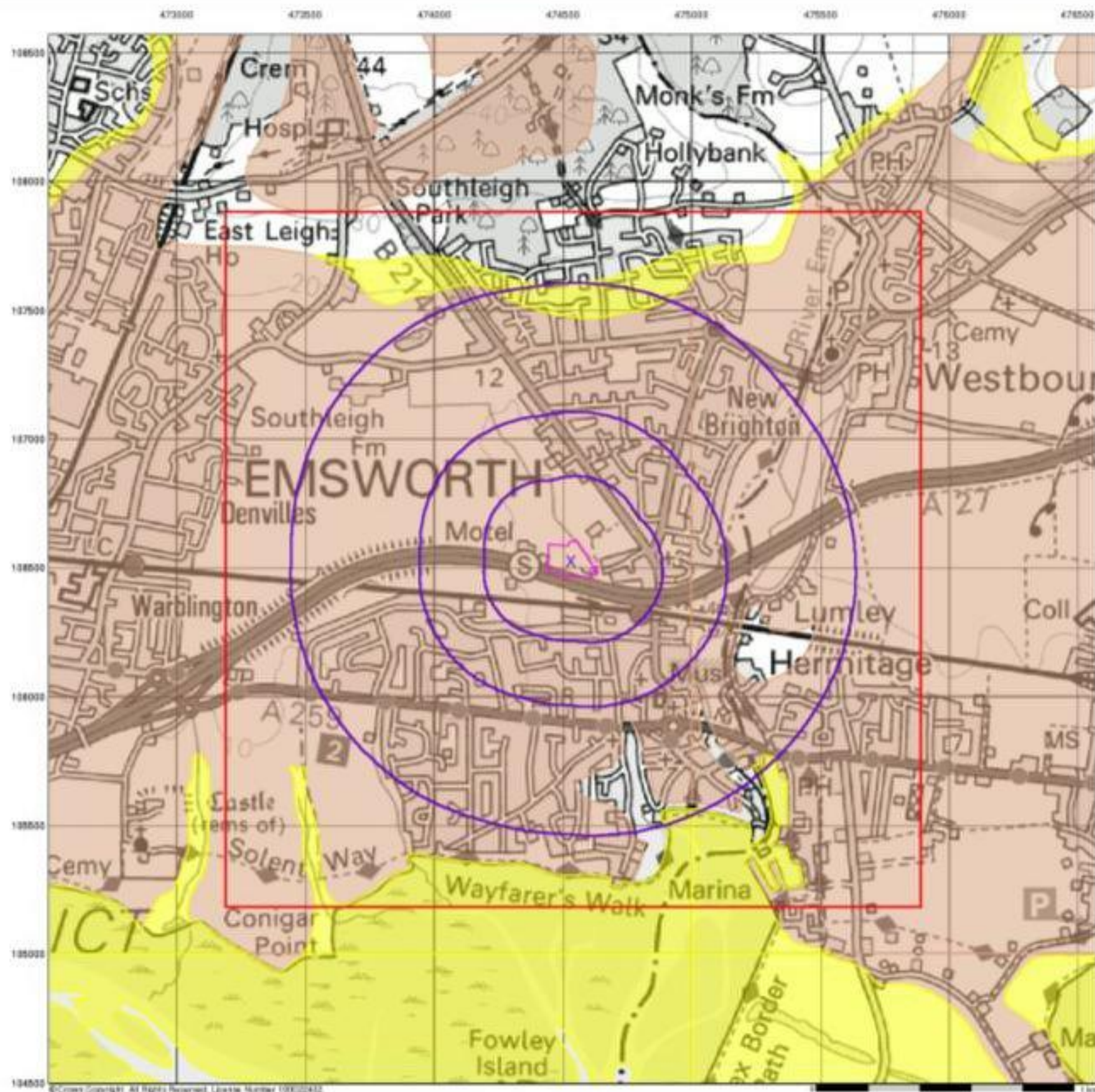
Order Number: 206456492_1_1
Customer Ref: 3229
National Grid Reference: 474530, 106530
Slice: A
Site Area (Ha): 1.92
Search Buffer (m): 1000

Site Details

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INFORMATION GROUP

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Web: www.survcheck.co.uk



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Superficial Aquifer Designation

General

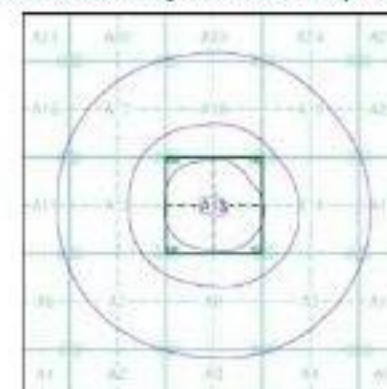
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

Agency and Hydrological

Geological Classes

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 206456492_1_1
Customer Ref: 3229
National Grid Reference: 474530, 106530
Slice: A
Site Area (Ha): 1.92
Search Buffer (m): 1000

Site Details

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Landmark
INFORMATION GROUP

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Source Protection Zones

General

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

Agency and Hydrological

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

Site Sensitivity Context Map - Slice A



Order Details

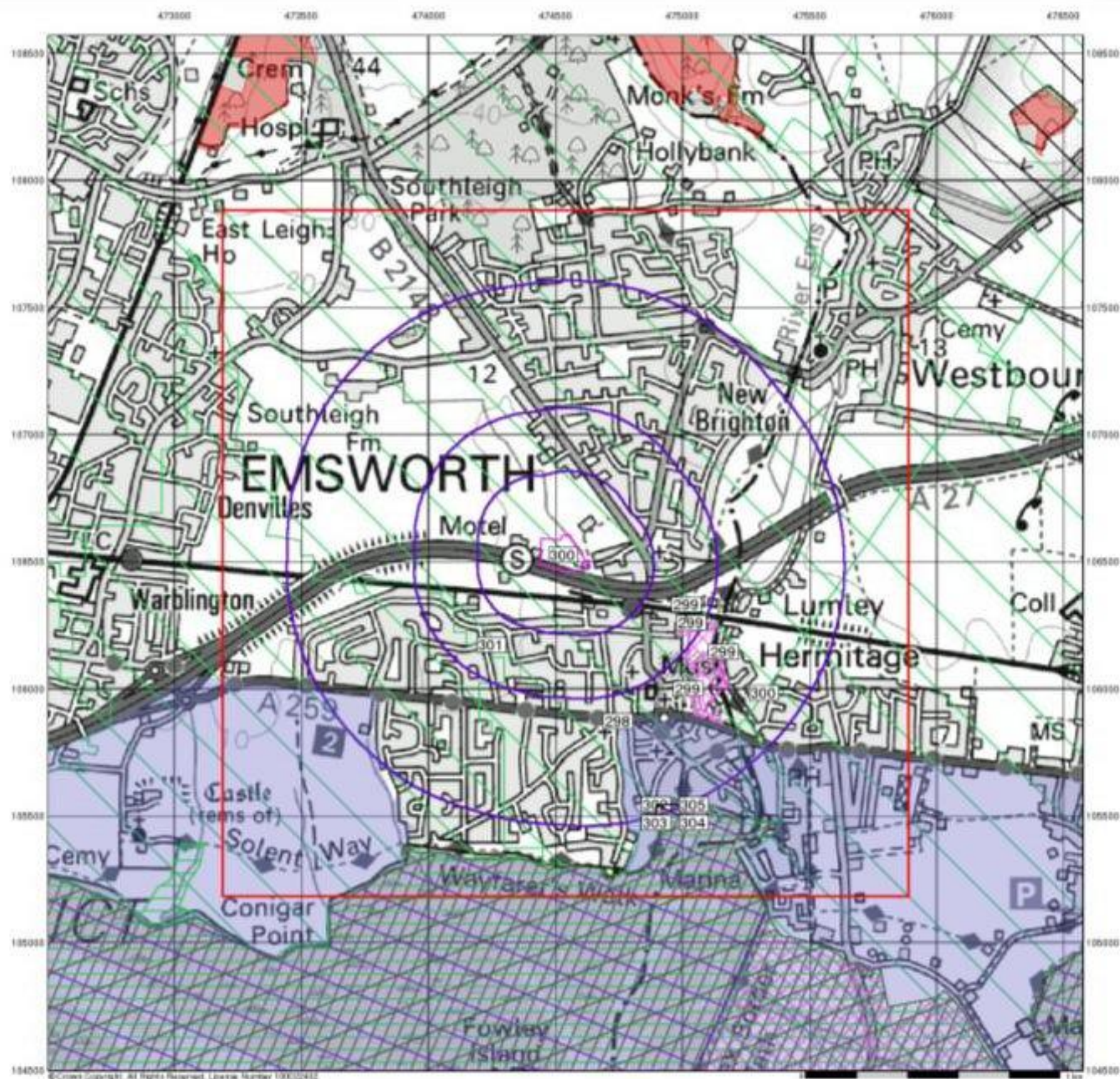
Order Number: 206456492_1_1
Customer Ref: 3229
National Grid Reference: 474530, 106530
Slice: A
Site Area (Ha): 1.92
Search Buffer (m): 1000

Site Details

Land to the west of Coldharbour Farm Lane, Emsworth, Hampshire, PO10 7XA

Landmark
INFORMATION GROUP

Tel: 0544 544 3952
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Web: www.smi-check.co.uk



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Sensitive Land Uses

General

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

Sensitive Land Uses

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

Site Sensitivity Context Map - Slice A



Order Details

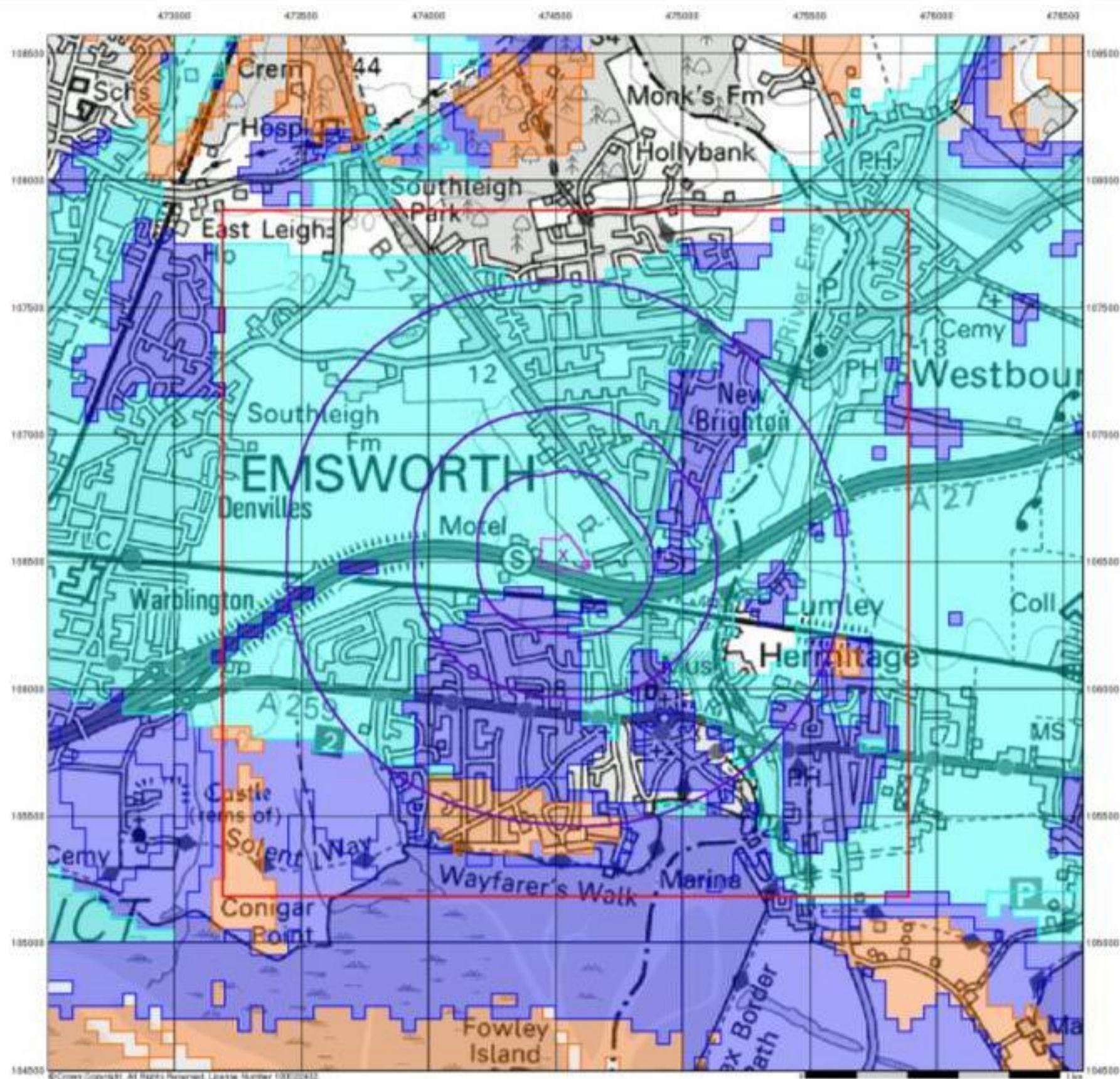
Order Number: 206456492_1_1
Customer Ref: 3229
National Grid Reference: 474530, 106530
Slice: A
Site Area (Ha): 1.92
Search Buffer (m): 1000

Site Details

Land to the west of Coldharbour Farm Lane, Emsworth, Hampshire, PO10 7XA

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Tel: 0544 544 3552
Fax: 0544 544 3251
Web: www.slmcheck.co.uk



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BGS Flood GFS Data

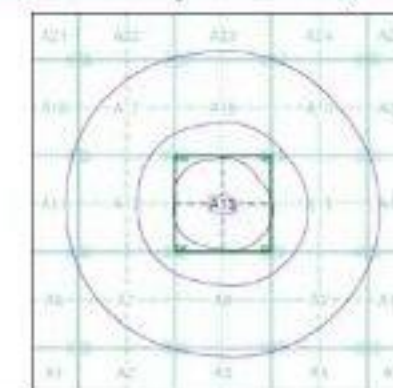
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A



Order Details

Order Number: 206456492_1_1
Customer Ref: 3229
National Grid Reference: 474530, 106530
Slice: A
Site Area (Ha): 1.92
Search Buffer (m): 1000

Site Details

Land to the west of Coldharbour Farm Lane, Emsworth, Hampshire, PO10 7XA

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Web: www.landmarkcheck.co.uk

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	MGR	Made Ground (Undivided)	Artificial Deposit	Not Supplied - Holocene
	WGR	Worked Ground (Undivided)	Void	Not Supplied - Holocene

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Not Supplied - Holocene
	RTDU	River Terrace Deposits (Undifferentiated)	Sand, Silt and Clay	Not Supplied - Quaternary
	HEAD	Head	Clay And Gravel	Not Supplied - Quaternary
	HEAD	Head	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	BTFU	Beach and Tidal Flat Deposits (Undifferentiated)	Clay, Silt, Sand and Gravel	Not Supplied - Quaternary
	RMD	Raised Marine Deposits	Sand and Gravel	Not Supplied - Quaternary

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Not Supplied - Ypresian
	LC	London Clay Formation	Sand	Not Supplied - Ypresian
	BOSA	Bognor Sand Member	Sand	Not Supplied - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Not Supplied - Thanetian
	LPCK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation and Portsdown Chalk Formation (Undifferentiated)	Chalk	Not Supplied - Turonian



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Geology 1:50,000 Maps

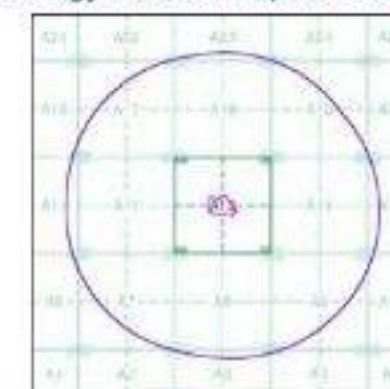
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published paper maps.

The various geological layers - artificial and landslip deposits, superficial geology and solid (bedrock) geology are displayed in separate maps, but superimposed on the final 'Combined Surface Geology' map. All map legends feature on this page. Not all layers have complete nationwide coverage, so availability of data for relevant map sheets is indicated below.

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	316
Map Name:	Pandem
Map Date:	1999
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A



Order Details:

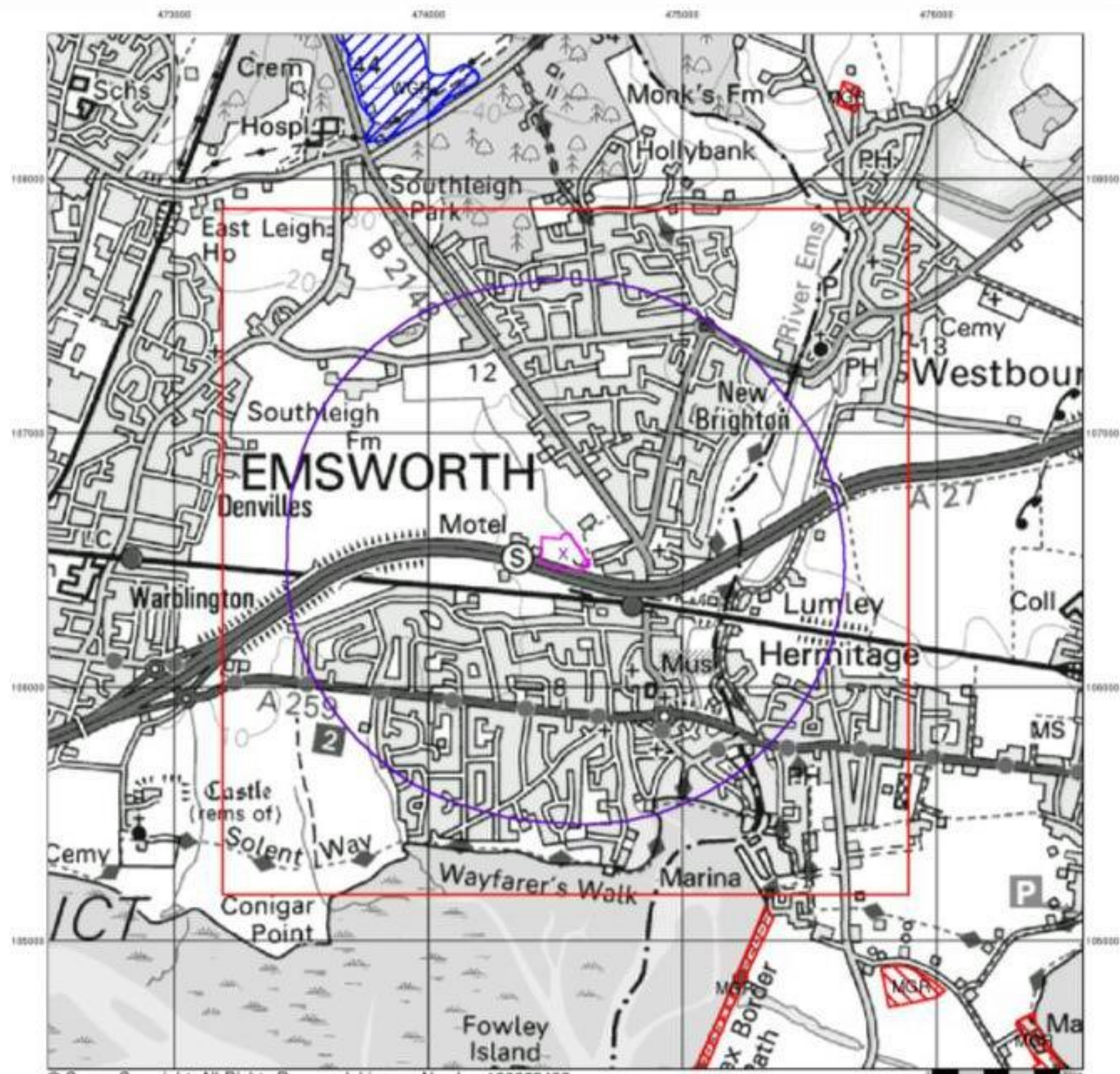
Order Number:	206456492_1_1
Customer Reference:	3229
National Grid Reference:	474530, 106530
Slice:	A
Site Area (Ha):	1.92
Search Buffer (m):	1000

Site Details:

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Web: www.univrock.co.uk



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Artificial Ground and Landslip

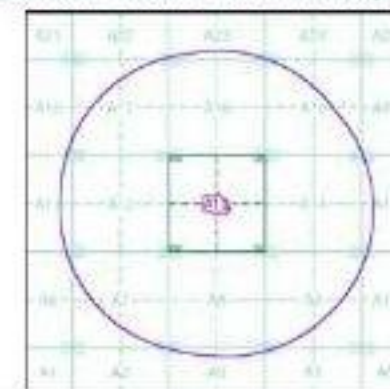
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number:	206456492_1_1
Customer Reference:	3229
National Grid Reference:	474530, 106530
Slice:	A
Site Area (Ha):	1.92
Search Buffer (m):	1000

Site Details:

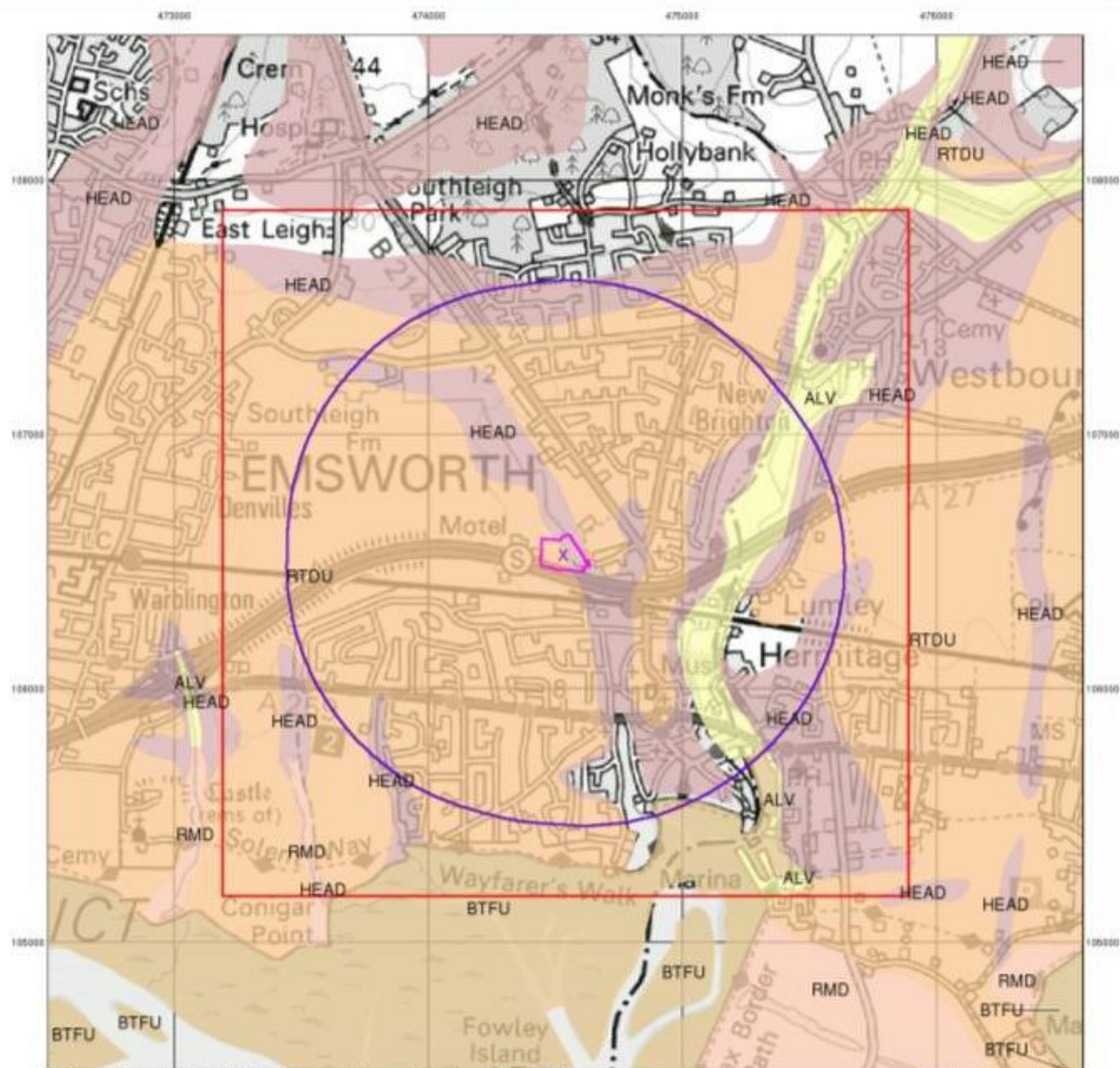
Land to the west of Coldharbour Farm Lane, Emsworth, Hampshire, PO10 7XA

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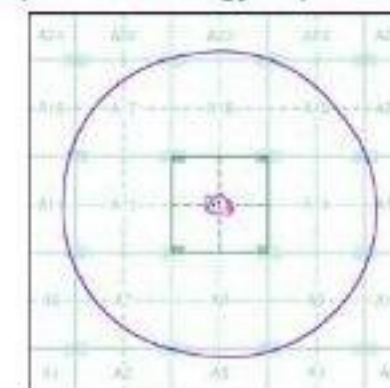
Superficial Geology

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

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

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

Superficial Geology Map - Slice A



Order Details:

Order Number:	206456492_1_1
Customer Reference:	3229
National Grid Reference:	474530, 106530
Slice:	A
Site Area (Ha):	1.92
Search Buffer (m):	1000

Site Details:

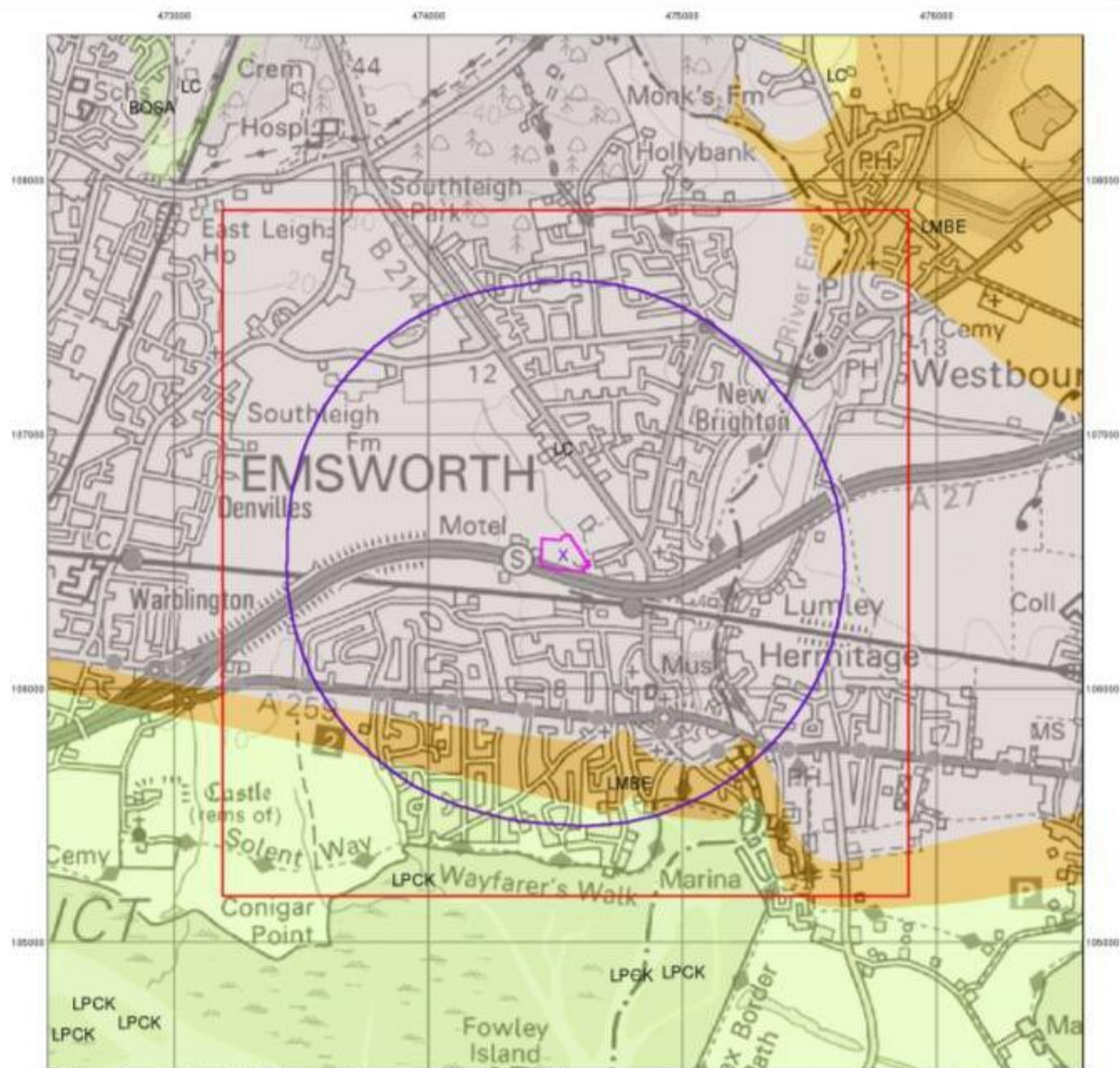
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Bedrock and Faults

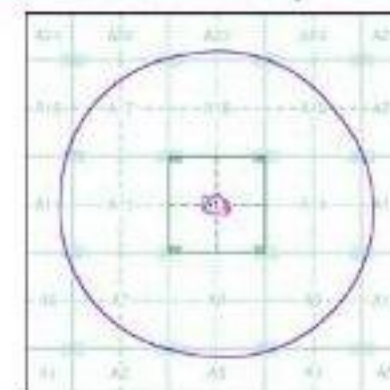
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

The BGS Faults and Rock Segments dataset includes geological faults (e.g. normal, thrust), and thin beds mapped as lines (e.g. coal seam, gypsum bed). Some of these are linked to other particular 1:50,000 Geology datasets, for example, coal seams are part of the bedrock sequence, most faults and mineral veins primarily affect the bedrock but cut across the strata and post date its deposition.

Bedrock and Faults Map - Slice A



Order Details:

Order Number:	206456492_1_1
Customer Reference:	3229
National Grid Reference:	474530, 108530
Slice:	A
Site Area (Ha):	1.92
Search Buffer (m):	1000

Site Details:

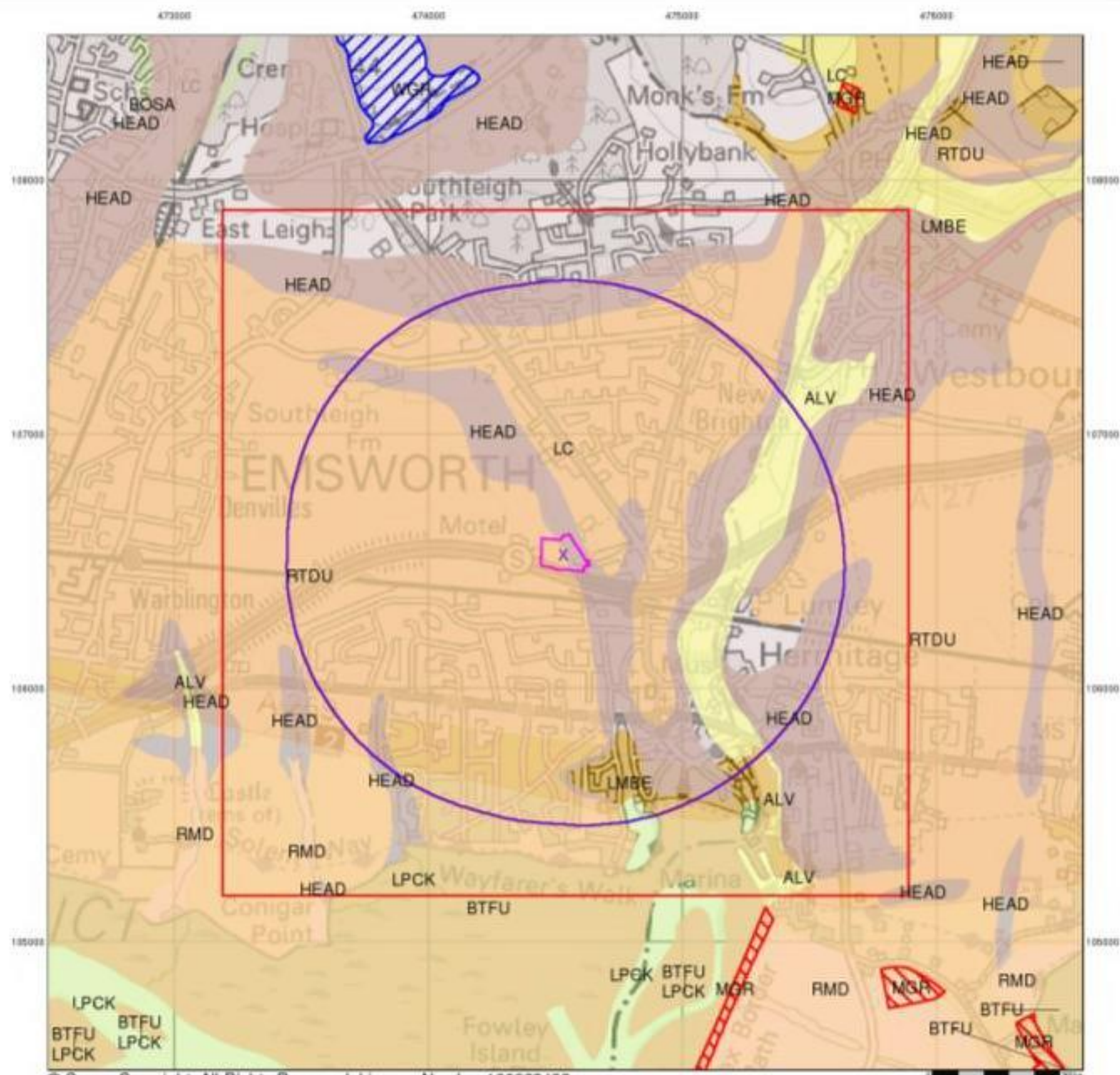
Land to the west of Coldharbour Farm Lane, Ermsworth, Hampshire, PO10 7XA

Landmark
INFORMATION GROUP

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Combined Surface Geology

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

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

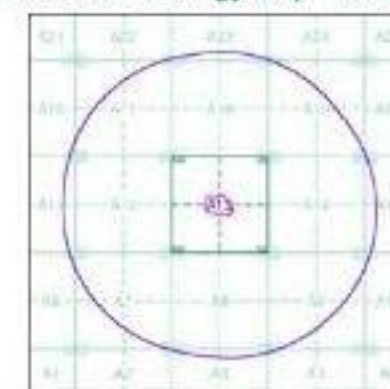
Additional Information

More information on 1:50,000 Geological mapping and explanations of rock classifications can be found on the BGS website. Using the LEX Codes in this report, further descriptions of rock types can be obtained by interrogating the 'BGS Lexicon of Named Rock Units'. This database can be accessed by following the 'Information and Data' link on the BGS website.

Contact

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

Combined Geology Map - Slice A



Order Details:

Order Number:	206456492_1_1
Customer Reference:	3229
National Grid Reference:	474530, 106530
Slice:	A
Site Area (Ha):	1.92
Search Buffer (m):	1000

Site Details:

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