

LUSTRE

CONSULTING

SRC RECYCLING LTD - EASTERGATE

PHASE 1 DESK STUDY



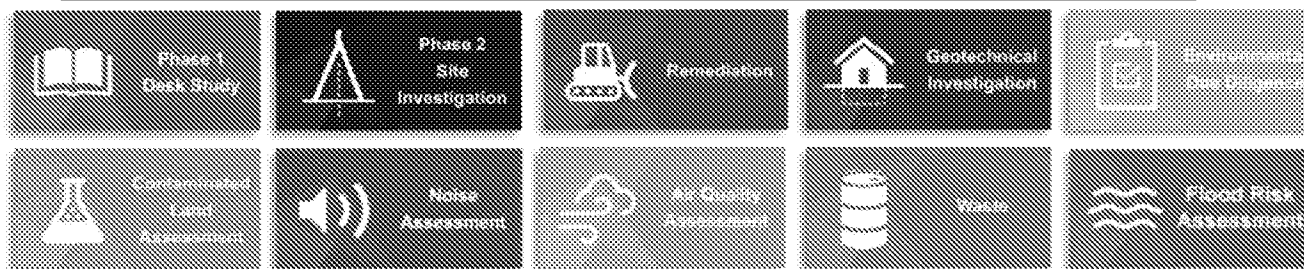


NON-TECHNICAL SUMMARY

	SUMMARY
Site	SRC Recycling Ltd, Fontwell Avenue, Eastergate
Proposed Development	It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 80 residential dwellings and Co-working hub on the site of SRC recycling
Current Use	The eastern section of the site comprises an operational vehicle spares, salvage, depollution and recycling centre and the western section comprises open land, which is currently used for private ad hoc vehicle storage and keeping geese.
Site History	The eastern section of site has comprised a vehicle spares, salvage, depollution and recycling centre since the late 1970s, whilst the western section of the site has comprised undeveloped land.
Key Sources of Potential Contamination	Western Area: Ad hoc private vehicle storage has the potential to locally impact shallow soils and there is the potential for imported soils to be present / local ground workings. Eastern Area: The use of the site as an operational vehicle spares, salvage, depollution and recycling centre is considered a potential source of contamination due to the nature of the activities undertaken. In addition, onsite bulk hazardous liquid storage (in the form of five ASTs), as well as small scale hazardous material storage and waste material storage also has the potential to impact shallow soils and groundwater beneath the site. Potential contaminants include asbestos, metals, TPH, PAHs, VOCs, SVOCs and ground gases. Off-site four historical landfills have been identified within 600m of the site.
Geology, Hydrogeology and Hydrology	Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. Reworked natural soils are likely present. BGS mapping records show the site to be underlain by superficial deposits of the Head comprising gravel, sand and clay with lenses of silt in the eastern and central sections of the site. The western section of the site is directly underlain by superficial River Terrace Deposits comprising sand, silts and clays. Bedrock geology is listed as the London Clay Formation (unproductive stratum). The site does not lie within a groundwater SPZ and groundwater abstractions are recorded within the local area.
Land Quality Conclusions and Recommendations	The ad hoc vehicle storage across the western area of the site and potential for imported soils to be present (based on historical aerial imagery) has been assessed as posing a moderate / low risk to future site residents and visitors and a moderate / low risk to buried service and below ground services and structures. The use of the eastern section of the site as a car breakers, salvage and metal recycling centre and the bulk hazardous liquid storage has been assessed as posing a moderate risk to future site residents and visitors, a moderate risk to buried service and below ground services and structures, and a moderate / low risk to flora, groundwater within the superficial deposits and to buildings and site occupants (associated with the inhalation and accumulation of vapours and ground gases). Risks from the identified off-site landfills have been assessed as posing a moderate/ low risk to site occupants.
Geotechnical Recommendations	A geotechnical investigation will be required to inform foundation design. Due to the presence of mining activities, it is recommended that further assessment of the risk from mining features and mine sites should be undertaken.



PROJECT RECORD				
PROJECT NAME	EASTERGATE - WEST SUSSEX			
CLIENT	SRC RECYCLING LTD			
REPORT DETAILS				
TYPE	PHASE 1 DESK STUDY			
REFERENCE	3765 - 201109 - MD			
ISSUE DATE	NOVEMBER 2020			
AUTHOR	GEMMA HEYWORTH BSc (Hons) MCIWEM C.WEM SENIOR CONSULTANT		[Redacted]	
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REGISTRATION OF AMENDMENTS				
REVISION	DATE	AMENDMENT DETAILS	REVISION AUTHOR	REVISION REVIEWER
V1	Jan 2022	Updated proposed site layout plan	GH	GH
V2	Feb 2022	Updated proposed layout and comments addressed	GH	GH
 LUSTRE CONSULTING 2nd Floor North The Fitted Rigging House The Historic Dockyard Chatham Kent, ME4 4TZ  CHAS CHAS  Constructionline for you				





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1.0 INTRODUCTION

- 1.1 This Phase 1 Desk Study has been prepared for the site clearance and development of a site located off Fontwell Avenue, in Eastergate, West Sussex, PO20 3RU by Lustre Consulting Limited (Lustre) for SRC Recycling Ltd (the Client). The assessment has been undertaken in accordance with our fee proposal dated 24/09/2020, which was formally approved by SRC Recycling Ltd on 02/11/2020.
- 1.2 The site, irregular in plan, is centered at National Grid Reference 494377, 105802, and occupies an approximate area of 3.28ha as shown in Figure 1. The site currently comprises a car salvage centre and area of open land and is located within a primarily residential land use area. The Client requires this Phase 1 Desk Study to support re-development works at the site. It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 80 residential dwellings and Co-working hub on the site of SRC recycling. 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.

¹ Department for Communities and Local Government, National Planning Policy Framework, 2021.

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

³ Control of Asbestos Regulations (CAR) 2012





Where asbestos is or is likely to be present, the duty holder(s) shall ensure that they have an adequate management plan, undertake and review risk assessments and maintain an Asbestos Register detailing the probable exposure to all employees and site users. The duty holder may be the business owner, landlord, tenant, or others by virtue of a contract.

- 1.8 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 the 16th November 2020. A client representative was present throughout the site walkover and access was granted to all buildings and external areas.



Figure 3: Aerial Photograph





- 2.3 The layout of the site is shown in Figure 4. At the time of the site walkover, the site comprised two main areas: an open field located within the western section of the site and an operational vehicle spares, salvage, depollution and recycling centre located within the eastern section of the site.

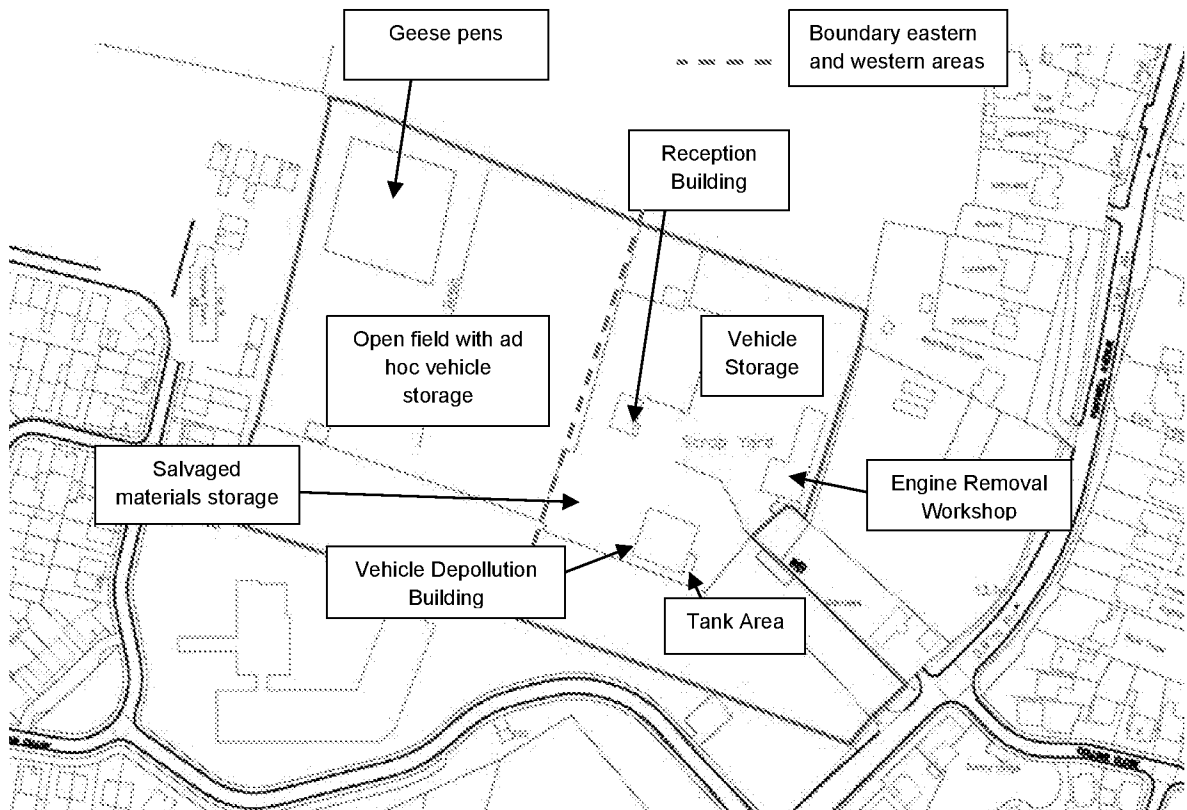


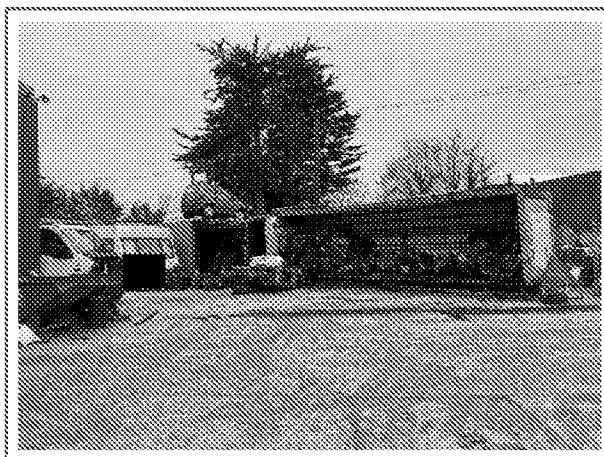
Figure : Site Layout

- 2.4 Across the western section of the site surface cover comprised grass or open ground, with recent vegetation clearance undertaken across the eastern section of this area. Ad hoc vehicle storage was present across the field in the form of old disused cars, trailers and other vehicles, which had been acquired by the site owner. These vehicles were stored directly on the grass surface cover, however no evidence of staining or vegetation discolouration or dieback was observed. The north western section of this area of the site was used to house geese, with two wooden sheds and one metal shed present and a large square fenced off outdoor pen.
- 2.5 Various stockpiles of waste materials were noted across the western section of the site, located within the eastern and central sections of this area, including a stockpile of concrete blocks, a stockpile of cleared vegetation, a stockpile of scrap metal and a stockpile of wooden fencing and pallets.





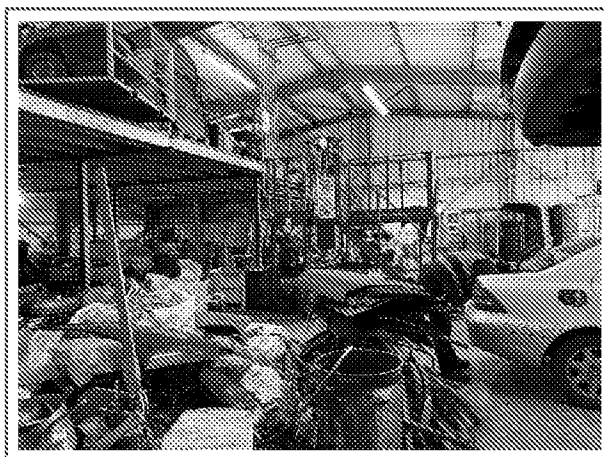
- 2.6 It is understood from the site owner that a security ditch was formerly present across this western area, running from north to south, however, this has recently been infilled and was not evident during the site walkover.



Engine storage within the eastern section of the site



Engine removal workshop



Vehicle depollution building



Waste fluid extraction system within the depollution building

- 2.7 The eastern section of the site comprised an operational vehicle spares, salvage, depollution and recycling centre, operated by SRC Recycling Ltd and was accessed via Fontwell Avenue, adjacent to the eastern site boundary. The access track comprised part concrete hardstanding and part crushed gravel surfacing and was used as a parking area for site visitors. The site weighbridge was also present within the access track, with pedestrian site access adjacent to this. The site access road opened into a vehicle reception area, which was laid to concrete hardstanding (observed to be in fair condition, with some evidence of wear and cracking). The site office was present to the west of the vehicle reception area and comprised a two storey modular porta cabin structure.



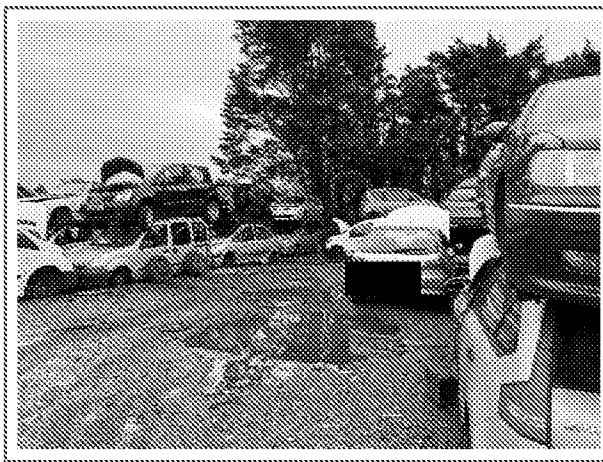


- 2.8 The vehicle depollution building was present to the south of the vehicle reception area. Scrap vehicles received at the site are stored within the central site area, on an area of concrete hardstanding, and then transported to the vehicle depollution building using a fork lift truck. Within this building the waste oil, waste fuel, waste antifreeze, waste coolant, waste brake fluid, waste washer fluid, car batteries and electrical cabling are removed from the vehicles. The waste fuels, oils, antifreeze, washer fluid and brake fluid are pumped to waste storage tanks using two pump systems located within the depollution building. These pumps and associated pipework were all located above ground, with transmission pipework running to five external 2000 litre tanks, present to the east of the depollution building. In addition, removed coolant and washer fluid is stored in smaller tanks located within the depollution building.
- 2.9 All waste liquids are removed from the site on a regular basis by an appropriately licensed waste contractor, for off-site disposal, in line with the site's Environmental Management Plan (EMP). The removed car batteries are stored within battery boxes, located within the depollution building for off-site disposal by an appropriately licensed waste contractor. Battery acid is not drained onsite as part of the vehicle depollution activities. The removed electrical cabling is also stored within the depollution building prior to off-site disposal, along with scrap copper wiring.
- 2.10 The vehicle depollution building is of steel frame construction with metal cladding and concrete surfacing, which was noted to be in a fair condition, with some evidence of staining. A mezzanine level was also present, which was used for equipment and tool storage. A number of mobile 205 litre waste liquid metal storage drums were also present within the depollution building.
- 2.11 Following depollution, the vehicles are transported to a workshop located adjacent to the eastern site boundary, where the engines are removed, along with any scrap metal, tyres and hub cabs. The removed engines are sorted into steel or aluminium, with the steel engines stored within metal containers adjacent to the eastern site boundary and the aluminium engines stored within the south western corner of the site, prior to collection for off-site disposal or recycling by an appropriately licensed waste contractor. The removed tyres and hub cabs were stored externally on an area of concrete hardstanding present to the north of the engine removal workshop.
- 2.12 The engine removal workshop was also of steel frame construction, with metal cladding and concrete surfacing, which was noted to be in fair condition, with some evidence of staining. Gas canisters, for powering machinery and tools, were stored within the engine removal workshop, as were several 205 litre waste fluid drums and waste drums for oily rags.

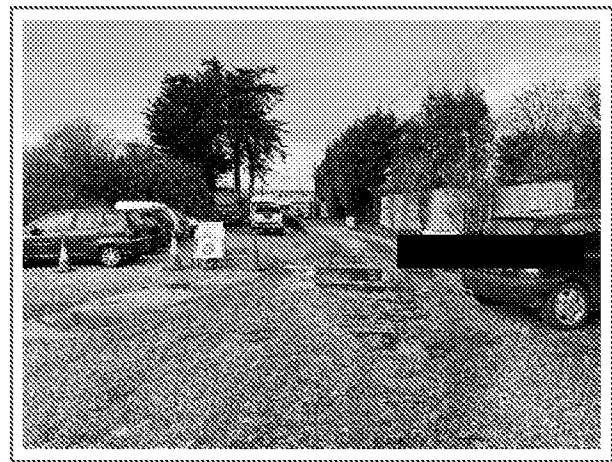




- 2.13 Following the removal of the engines, the vehicles were transported to a large external storage area, present across the northern and central sections of this area of the site. Surface cover across this area of the site comprised crushed gravel / open ground. The vehicles are understood to be stored for a limited period of time, after which they are crushed onsite and stockpiled for off-site removal for disposal or further recycling by an appropriately licensed contractor. The vehicles are crushed and stockpiled within the south western section of the site, using plant present within this area. Scrap metal is also stockpiled here, along with other recyclable elements removed from the vehicles. Surface cover across this storage area comprised concrete hardstanding, which was noted to be in fair condition, with some evidence of cracking and wear.



Depolluted vehicle storage on crushed gravel surfacing



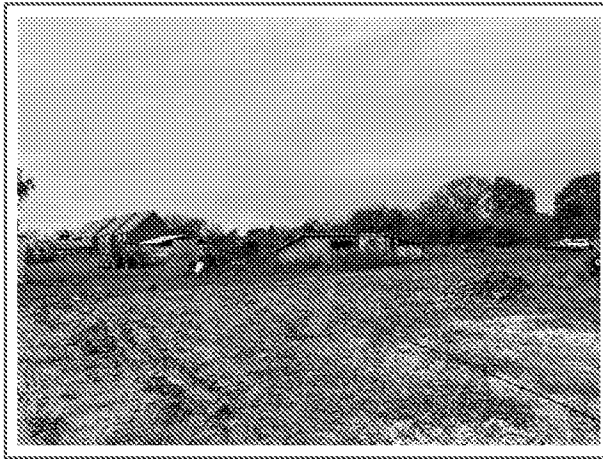
Site entrance

- 2.14 Further depolluted vehicles and received vehicles are stored to the rear of the site office block. A 2000 litre red diesel tank was also situated within this area, which is used to refuel onsite plant. A wooden fence separates the operational site area from the field located within the western section of the site, with access via metal gates. A strip of grassland was also present adjacent to the southern site boundary, which provides additional access to the field within the western section of the site.
- 2.15 The site activities are regulated under Environmental Permit CP3098SS/V004 (pre EA ref: WSX/L1/0/0311), which relates to an A19: Metal recycling site (vehicle dismantlers) and was issued on the 31/03/1994 and varied on the 16/03/2009. Information obtained from the site owner confirms that the site is compliant with the operational conditions of the Environmental Permit and has not received any non compliance points, warnings or notices from the Environment Agency during routine site inspections.





- 2.16 Across the entire site, surface cover comprised approximately 70% open ground (grass, vegetation and crushed gravel) and 30% concrete hardstanding, corresponding to the main operational site areas (engine removal workshop, depollution building, received vehicle storage area, engine and tyre storage areas and vehicle crushing area). The site was also noted to be relatively flat, with no notable changes in elevation.



Pens associated with geese keeping in the western area



Waste material stockpiles within the western area

Observations on Ground Stability and Structural Damage

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

Bulk Storage of Fuels and Hazardous Material

- 2.18 Bulk hazardous liquid storage was recorded on site comprising the following:

- 2000 litre waste diesel tank.
- 2 x 2000 litre waste petrol tanks.
- 2000 litre waste oil tank.
- 2000 litre waste anti freeze tank.

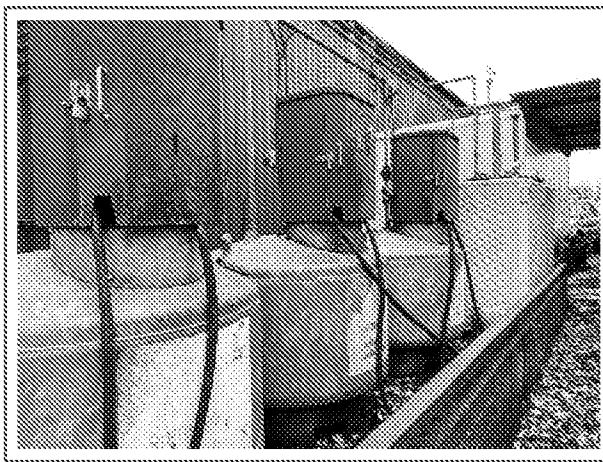
- 2.19 These tanks were situated to the rear of the vehicle depollution building and were located within a concrete lined brick bunded area. The tanks were all of metal construction, with pipework from the depollution workshop connected to the top of each tank, adjacent to the waste liquid extraction points. Each tank was also vented and contained a dip meter and gauge



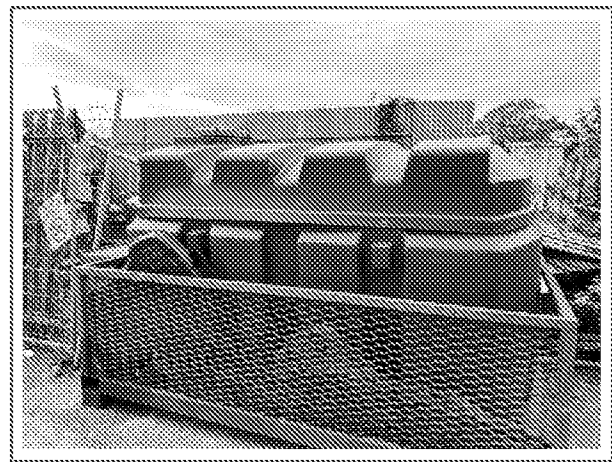


for monitoring contents levels to ensure they are not overfilled. The tanks are emptied on a regular basis by an appropriately licensed waste contractor for off-site disposal.

- 2.20 There have been no reported leakages from the bulk storage tanks or reported pipework failures. No evidence of staining or leakages was observed around the tanks or within the brick bund.
- 2.21 Waste fluids were also stored within the depollution building and engine removal workshop within 205litre metals drums, which were situated on concrete hardstanding within both buildings and drained coolant and washer fluid were also stored within smaller tanks / containers within the depollution building.



Bulk Hazardous Liquid Storage to the rear of the vehicle depollution building



Red Diesel tank to the rear of the reception building

- 2.22 A 2500 litre red diesel tank, of plastic construction, was also present to the rear of the site office block, situated within a metal cage and located on concrete hardstanding, which is used to refuel site plant. No evidence of staining or leakages was observed around this tank or within the brick bund.
- 2.23 Small-scale hazardous material storage was also recorded on site, with the following material types stored in quantities less than 25l: oils / lubricants and fuel.

Asbestos Containing Soils (ACS)

- 2.24 ACM was commonly used in construction and refurbishment projects until their use was prohibited in 1999. Due to the age of construction ACM are not present within the onsite office block or the vehicle depollution building and engine removal workshop. However, the inspection does not constitute an asbestos survey.





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

Waste

- 2.26 Based on the site use, potentially contaminative waste streams are considered present on site. These waste streams are considered to relate to waste oil, waste fuel, waste antifreeze, waste coolant, waste brake fluid, waste washer fluid, car batteries, electrical cabling, batteries, crushed cars, engines and scrap metal. Wastes generated on site are removed by various licensed waste carriers. From the observations made on site, housekeeping appears to be generally good.

Drainage

- 2.27 Only sanitary wastewater, surface water run-off (from roof areas and hardstanding) is generated on site. No evidence of activities that would require a Discharge Consent was observed. Existing drainage plans were not made available for viewing.
- 2.28 It is understood from the site owner that surface water runoff from the operational areas within the eastern section of the site, which are laid to concrete hardstanding, drain to a three chamber interceptor, located to the south of the site reception building, with the areas of crushed gravel, used to store depolluted vehicles, served by soakaways.
- 2.29 Across the western section of the site, surface water runoff drains directly to ground.

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

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

Invasive Species

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





Potential Off-site Sources / Points of Interest

- 2.33 The site is bordered to the west and south by a large housing development, with open land and residential dwellings present to the north. The site is bordered to the east Fontwell Avenue with residential dwellings beyond.

Further Surveys

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

Public Record Information

- 2.35 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	No Local Authority Pollution Prevention and Controls have been identified within 250m of the subject site. No IPPCs have been identified within 250m of the subject site.
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 BGS recorded landfill sites have been identified within 1km of the subject site. Two historical landfill sites have been identified within 1km from the subject site: • 497m NE operated by Eastergate Parish Council under licence reference EAHLD20078 with landfilling taking place between 14th March 1979 - 13th March 1981. The record states that deposited waste included inert waste. • 544m E operated by under licence reference EAHLD20155 with landfilling taking place between 31st December 1949 - 31st December 1963. The record states that deposited waste included inert, commercial and household waste.





Public Record	Features
	Two Local Authority Recorded Landfill Sites have been identified within 1km from the subject site: • 542m E located at Eastergate Lane, Eastergate under licence reference EG/1/49. No further information is available. • 554m NE located at Wandleys Lane, Eastergate under licence reference EG/57/78. No further information is available. No registered landfill sites have been identified within 1km of the subject site.
Waste Management Facilities	One Registered Waste Treatment or Disposal Sites has been identified on the subject site. The license is held by D M Parker for the operation a scrap yard under license WSX/L1/0/03/1. The license has been held since March 1994 and is listed as operational. The site is authorised to accept motor vehicles only. No Licensed Waste Management Facilities have been identified within 250m of the subject site. No Registered Waste Transfer Sites have been identified within 250m of the subject site
Contemporary Trade Directory Entries	Three Contemporary Trade Directory Entries are recorded onsite, all held by SRC Recycling Ltd for salvage dealers and car breakers. Two entries are recorded as inactive and one entry as active. Two Contemporary Trade Directory Entries have been identified within 250m of the subject site. One is recorded 84m S of the site for an active cladding suppliers and installers and the other 201m NE for an active pet foods and animal feed.
Petrol Filling Stations (PFS)	No fuel station entries have been identified within 250m of the subject site.

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

Review of Regulatory Information

- 2.36 A review of the available online planning records held by Arun District Council has not provided any pertinent information relating to the subject site.

Site History

- 2.37 The site history has been assessed by reviewing historical Ordnance Survey maps provided by Landmark and aerial photographic imagery from Google Earth. Relevant maps are reproduced in Appendix B. The historical development of the site and the surrounding area are summarised in the following section. Where features are identified as having a potential impact on the proposed development, an indication of potential contaminants has been provided at the end of the Chapter.
- 2.38 It is noted that the mapping process adopted in generating the historical Ordnance Survey records (mapping intervals/frequency, scale, inclusion/exclusion of features etc), may result in an incomplete account of a site's history. Changes in land use between mapping dates, or





small yet potentially contaminative land uses, may not be identified from the records. The following account is therefore based solely on the information provided in the mapping records and the dates listed should be considered as approximate.

On Site Land Use	Date Feature Present	Date Feature Removed
Open, undeveloped land	1876	1979
Site is labelled as a car breakers yard; however, no structures are present onsite. An access track has been constructed within the south eastern section of the site, which provides access from Fontwell Avenue, present to the east of the site.	1979	1994
Site is labelled as a scrap yard. A large square structure has been constructed within the eastern section of the site.	1994	1999
The aerial photograph dated 1999 shows that the eastern section of the site is occupied by a car breakers and car storage area, with the large square workshop structure still present and two additional structures present adjacent to the eastern site boundary. The western section of the site comprises open, undeveloped land.	1999	2012
Aerial photography shows that some vehicles are now stored within the western section of the site and circular track has been constructed in this area of the site, however surface cover predominantly comprises vegetation and open ground.	2012	2015
A drainage ditch is present across the center of the western section of the site, orientated north to south and some evidence of ground workings (potentially imported soils) is present in the aerial photograph across the western section of the site. The eastern section remains occupied by a car breakers / car storage area.	2015	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.

2.39 Environmentally pertinent historical information from the immediate surrounding area (within 250m) has been summarised below.

Surrounding Land Use	Distance / Bearing	Date Feature Present	Date Feature Absent
Small industrial / commercial unit	Adjacent / SW	1999	Present
Allotments	55m / S	1974	Present
Nursery	85m / SE	1937	1974
Residential		1974	Present





Surrounding Land Use	Distance / Bearing	Date Feature Present	Date Feature Absent
Builders Yard	100m / NE	1979	Present
Nursery	100m / E	1937	1974
Open land		1974	1984
Residential		1984	Present
Northfields Farm	110m / N	1974	Present
Fontwell Farm and poultry house	120m/ NW	1979	Present
Smithy	200m / SW	1897	1937
Residential		1937	Present
Old Gravel Pit	210m / NE	1897	1912
Orchards		1912	Present
Garage	250m / SW	1974	1994
Petrol Filling Station		1994	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.

- 2.40 No significant potentially contaminative industries have been identified beyond 250m that could realistically impact the site.

Summary of Identified Potential Sources of Contamination

- 2.41 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.
- 2.42 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. The following off-site sources of potential contamination have not been considered further in this assessment:
- The smithy, historically present 200m south west: discounted due to the time lapsed since this site was operational, therefore any residual contamination will have dispersed.





- Old Gravel Pit, historically present 210m north east: discounted due to the time lapsed since this site was operational, therefore any residual contamination will have dispersed.
- Nurseries historically present 85m south east and 100m east: discounted as these sites have been redeveloped for residential use, which would have likely resulted in the removal of any gross contamination.

2.43 Viable potential sources of contamination which have been carried forward into the conceptual model and risk assessment are set out below.

Western Area

2.44 The historical mapping records and information provided by the site owner indicates that the western area of has always comprised open undeveloped land, which has been used for private ad hoc vehicle storage and more recently for housing geese. There is therefore the potential for the shallow soils across this area of the site to have been locally impacted by small scale leaks and spillages from vehicles, with potential contaminants including metals, inorganics, polycyclic aromatic hydrocarbons (PAH), total petroleum hydrocarbons (TPH), volatile and semi volatile organic compounds (VOCs and SVOCs).

2.45 No significant periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. However, areas of locally deeper Made Ground may be present within the western section of the site if soils have been previously imported across this area.

Eastern Area

2.46 The eastern section of site has comprised a car breakers yard and scrap yard since the late 1970s, which represent potentially significant sources of contamination, namely due to the activities carried out on such sites and the potential for the storage of waste oils, fresh oils, solvents and fuel. The use of oils, fuel and other chemicals associated with the onsite activities may have given rise to contamination of shallow soils through haphazard storage, on site disposal or spillages/leaks. The current site operations are permitted under Environmental Permit CP3098SS/V004, which includes operational conditions and measures for the protection of shallow soils and controlled waters. These include sealed drainage to an interceptor across the main operational site areas and bunded storage areas for bulk hazardous materials. Information obtained from the site owner confirms that the site is compliant with the operational conditions of the Environmental Permit and has not received any non compliance points, warnings or notices from the Environment Agency during routine site inspections. Potential contaminants associated with the use of this area of the site as a





car breakers and scrap yard include: Asbestos, metals, inorganics, PAH, TPH, phenols, VOCs and SVOCs.

- 2.47 The presence of hardstanding across the engine removal workshop, depollution building, received vehicle storage area, engine and tyre storage areas and vehicle crushing area, will have afforded some protection to the subsurface from surface spills. However, any drainage pipes and drainage interceptors need to be carefully considered as this will have often collected hydrocarbon-impacted runoff. In addition, there is the potential for small scale leakages and spillages to have impacted shallow soils in depolluted vehicle storage areas where a crushed gravel surface cover is present. Potential contaminants include fuels, oils, volatile and semi-volatile organic compounds
- 2.48 Bulk hazardous liquid storage was recorded on site comprising a 2000 litre waste diesel tank, 2 x 2000 litre waste petrol tanks, 2000 litre waste oil tank, 2000 litre waste anti freeze tank and a 2500 litre red diesel tank. All tanks were located within lined bunds and contained a dip meter and gauge for monitoring contents levels to ensure they are not overfilled. There have been no reported leakages from the bulk storage tanks or reported pipework failures. No evidence of staining or leakages was observed around the tanks or within the brick bund. Potential contaminants associated with long term bulk hazardous liquid storage include TPH, PAHs, VOCs and SVOCs.
- 2.49 Small-scale hazardous material storage was also recorded on site. As such minor spills and leaks may have resulted contamination of shallow soils with potential contaminants such as metals, inorganics, hydrocarbons, volatile and semi-volatile organic compounds (VOCs and SVOCs).

Off-site Sources – Historical

- 2.50 The following off-site land uses (taken from mapping records) have been considered further in this assessment as viable potential off-site sources of contamination: agricultural farm buildings/yard, petrol filling station, allotments and builder's yard. A wide range of potential contaminants have been considered including asbestos, metals, inorganics, PAH, TPH, pesticides, herbicides, phenols, VOCs and SVOCs.

Off-site Sources – Potential Sources Identified from Regulatory Information

- 2.51 No permitted or regulatory controlled activities require assessment as specific off-site sources of contamination.
- 2.52 A review of regulatory information has not identified any pollution incidents which are likely to have adversely impacted the subject site.





- 2.53 No off-site petrol filling stations are present within close proximity to the site that would require further consideration.
- 2.54 No non-landfill waste disposal sites have been identified within relevant distances which could impact the subject site.

Off-site Sources – Landfill Sites

- 2.55 Based on the data held within the Envirocheck database, four landfills have been identified within 1km of the subject site (closest landfill located circa 497m). Records indicate that landfilling ceased <60 years ago and contained a range of infill materials. As such, any ground gases or leachate may still be migrating from the infilled materials and may present a risk to the subject site. Also, considering the close proximity to the subject site means that further assessment is required to understand the potential impact to future site receptors.





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 317)⁴ and the BGS website (National Geoscience Information Service)⁵ show the eastern and central sections of the site to be directly underlain by superficial deposits of the Head comprising gravel, sand and clay with lenses of silt. The western section of the site is directly underlain by superficial River Terrace Deposits, comprising sand, silts and clays. Bedrock geology is listed as the London Clay Formation comprising poorly laminated, blue-grey or grey-brown, silty to very silty clay.
- 3.3 No significant periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. Reworked natural soils are likely present.
- 3.4 Historical borehole records have been identified relating to boreholes drilled within the general vicinity of the site and surrounding area. The closest historical borehole was recorded approximately 477m south-west of the site (SU90NW54). A summary of ground conditions encountered is provided below and a copy of the borehole log is included in Appendix C.

- Topsoil to 0.40m bgl.

⁴ BGS Solid and Drift Map Sheet 317

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





- Compact brown silty fine sand, becoming gravelly, recorded to 1.50m bgl.
- Firm, becoming soft, light brown grey clay and silt, recorded to a depth of 3.30m bgl.
- Light brown slightly silty fine sand, recorded to a depth of 6.50m bgl.
- Stiff grey silty clay, proven to a depth of 7.60m bgl.
- Groundwater was recorded at a depth of 2.90m bgl.

Ground Hazards

3.5 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	No
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

3.6 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	Three BGS Recorded Mineral Sites have been identified within 1km from the subject site: • 220m NE at Northfields Farm Gravel Pit. Mineral site operated as an opencast site extracting soils from the Head. Status is listed as ceased. • 648m E at Northfields Farm Gravel Pit. Mineral site operated as an opencast site extracting soils from the Head. Status is listed as ceased.





Category	Details
	727m E at Northfields Farm Gravel Pit. Mineral site operated as an opencast site extracting soils from the Head. Status is listed as ceased.
Man-Made Mining Cavities	None identified
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

- 3.7 The Groundwater Vulnerability Map of England and the DEFRA website⁶ have been reviewed to determine the aquifer designations.
- 3.8 The Head Deposits, present across the central and eastern sections of the site, and the River Terrace Deposits, present across the western section of the site, are designated as Secondary A aquifers, which are defined by the Environment Agency as an "aquifer formed of permeable layers 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. These are generally aquifers formerly classified as minor aquifers." Based on the BGS information reviewed, it is considered that this geology is relatively permeable, and that shallow groundwater is anticipated.
- 3.9 The London Clay Formation is designated as an unproductive stratum which is defined by the Environment Agency as "rock layers or drift deposits with low permeability that have negligible significance for water supply or river base flow." If groundwater is present within unproductive strata, for example within more permeable lenses or small fissures, it is typically discontinuous, of low value and very low sensitivity. Based on the BGS information reviewed, it is considered that the bedrock is relatively impermeable, and that shallow groundwater is not anticipated.
- 3.10 The Environment Agency has defined Source Protection Zones (SPZs) for groundwater sources used for public drinking water supply.⁷ The site is not located within an SPZ, however a Zone IIc (Outer Protection Zone) is located circa 6m north of the site.

⁶ Information from DEFRA Website: www.magic.defra.gov.uk consulted in month of report issue

⁷ 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.





3.11 Six groundwater abstractions are recorded within 1km of the site as follows:

- 32m north-west - Operated by J R Robinson (Point A at Eastergate) and pertains to the abstraction of groundwater for general agriculture: spray irrigation - direct, under licence no. 10/41/542105.
- 724m north-east - Operated by Portsmouth Water Ltd (Point A Eastergate Pumping Station) and pertains to the abstraction of groundwater for public water supply: potable water supply - direct, under licence no. 10/41/542108.
- 3 x 728m north-east - Operated by Portsmouth Water Ltd (Point A Eastergate Pumping Station) and pertains to the abstraction of groundwater for public water supply: potable water supply - direct, under licence no. 10/41/542108.
- 992m north - Operated by Portsmouth Water Ltd (Point B Westergate Pumping Station) and pertains to the abstraction of groundwater for public water supply: potable water supply - direct, under licence no. 10/41/542108.

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

Hydrology

3.13 No surface water features are currently present onsite. It is understood from the site owner that a security ditch was formerly present across this western area, running from north to south, however, this has recently been infilled and was not evident during the site walkover.

3.14 In addition to the above mentioned drainage ditch, within 500m of the subject site, a wider network of surface water features are present including numerous drainage ditches and the Lidsey Rife River present 233m south of the site, which is orientated north to south with a southerly flow. The network of off-site surface water features is likely to be hydraulic connectivity with the site.

3.15 River quality information is available for Lidsey Rife which is listed as having a GQA grade of E.

3.16 Two surface water abstractions are recorded within 1km of the site as follows:

- 724m north-east - Operated by Portsmouth Water Company (Eastergate Pumping Station, EASTERGATE) and pertains to the abstraction of pond or lake for private water undertaking, under licence no. 542108C.





- 997m north-west - Operated by Portsmouth Water Company (Westergate Pumping Station, EASTERGATE) and pertains to the abstraction of pond or lake for spray irrigation, under licence no. 542108A.

3.17 Two surface water discharge consents are recorded within 250m of the site. Both are recorded 238m south of the site at Eastergate Water Treatment Works and are held by Portsmouth Water Ltd for trade discharge of process effluent into Lidsey Rife, ref: EPRHB3593RS.

Environmental Statutory Designations

3.18 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.

3.19 The site lies within a Nitrate Vulnerable Zone for surface water.

Environmental Sensitivity

3.20 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*⁸ document.

3.21 Groundwater within the Head Deposits and River Terrace superficial Deposits are considered to have a Moderate (M2) sensitivity, 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 sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SPZ), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage.

3.22 Groundwater within the London Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "not a recognised aquifer, but strata beneath site may retain a small amount of contaminated liquid but there is likely to be limited

⁸ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008





vertical penetration. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.

- 3.23 Surface water is considered to have a Moderately High (M1) sensitivity, which is described in the guidance as being a "site within catchment and reasonable proximity (less than 500m) of a moderate quality watercourse (GQA C/D) or 500 – 1000m of a high quality watercourse (GQA A/B) or with potential transmission of pollutants via baseflow from an aquifer with little subsurface attenuation or via an interconnected unclassified drain or stream." This sensitivity classification has been assigned given the presence of the Lidsey Rife approximately 233m south of the site, which is potentially in hydraulic continuity with the site via baseflow in the shallow groundwater.
- 3.24 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.
- 3.25 The sensitivity classifications noted above have been taken into consideration in the development of the conceptual model presented at the rear of this report.

Anthropology

- 3.26 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

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

Identified receptors:

- Residents and visitors,
- Ground / construction workers,
- Shallow groundwater within the Head and River Terrace Deposits (Secondary A aquifers),
- Surface water,
- Adjacent land,
- Flora,
- Below ground structures and foundations, and
- Potable water pipes.





Viable pathways and pollution linkages:

3.28 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 and dermal contact and direct ingestion of contaminated soils. It is noted that these exposure pathways are only active in soft landscaped areas; permeant hardstanding breaks the potential pathways. In addition, as private gardens are proposed, the indirect ingestion of contaminated soils sorbed to home-grown produce are to be considered.
- 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), via surface water runoff and baseflow. Lateral migration of potentially contaminated shallow groundwater from off-site areas (up hydraulic gradient), impacting on-site groundwater.
- Ground gases generated off-site may also migrate through the Made Ground and more permeable lenses of the underlying natural soils onto site.
- 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.





Non-viable pathways and pollution linkages

3.29 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 and deeper groundwater is not considered to a viable receptor within the site conceptual model.





4.0 CONCLUSIONS & RECOMMENDATIONS

Geoenvironmental Considerations

- 4.1 A conceptual model and qualitative risk assessment have been included at the end of this report. The risk ratings assigned in the risk table, and summarised in this Chapter, are based on information obtained through desk-based research, a site walkover and on our experience in assessing risks from similar sites. The proposed end use of the site, anticipated ground conditions, environmental receptors and viable exposure pathways have been considered.
- 4.2 In summary, this Phase 1 Desk Study has determined that there is a potential for contamination to be present on site in a circumstance which could lead to risks to identified receptors.
- 4.3 As illustrated in the risk assessment tables, several 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:

Western Area

- The ad hoc vehicle storage across the western area of the site and potential for imported soils to be present (based on aerial imagery) has been assessed as posing a **moderate / low** risk to future site residents and visitors and a **moderate / low** risk to buried service and below ground services and structures.

Eastern Area

- The use of the eastern section of the site as a car breakers, salvage and metal recycling centre has been assessed as posing a **moderate** risk to future site residents and visitors, a **moderate** risk to buried service and below ground services and structures, a **moderate / low** risk to flora, a **moderate / low** risk to groundwater within the superficial deposits and a **moderate / low** risk to buildings and site occupants associated with the inhalation and accumulation of vapours and ground gases.
- The bulk hazardous liquid storage within the eastern section of the site has been assessed as posing a **moderate** risk to residents and site visitors, a **moderate/ low** risk to shallow groundwater within the superficial deposits, a **moderate/ low** risk to flora and a **moderate** risk to Buried services and below ground structures and foundations.





Offsite sources

- Risks from the identified off-site landfills have been assessed as posing a **moderate/low** risk to site occupants.

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, further investigation is required to refine the risk assessment and validate the conceptual site model. A Phase 2 Site Investigation is therefore recommended which should consider the following: the site's ground gas regime, the condition of shallow groundwater and the contaminative status of shallow soils. These works could be conditioned as part of a successful decision notice for the proposed development.

Planning Considerations

4.6 It is understood that this report will be submitted to the local planning authority to support the application. On award of planning permission, it is expected that the requirement for a Phase 2 Site Investigation, and the potential for possible remediation and verification, will be conditioned by the environmental health officer.

Preliminary Ground Model & Ground Hazard Recommendations

4.7 The BGS information shows that the site is underlain by geology show the eastern and central sections of the site to be directly underlain by superficial deposits of the Head comprising gravel, sand and clay with lenses of silt. The western section of the site is directly underlain by superficial River Terrace Deposits, comprising sand, silts and clays. Bedrock geology is listed as the London Clay Formation comprising poorly laminated, blue-grey or grey-brown, silty to very silty clay.

4.8 Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.

4.9 All new build properties normally require a geotechnical site investigation to inform foundation design which can be combined with any environmental investigation works that are required.

4.10 Due to the presence of mining activities, further assessment of the risk from mining features and mine sites should be undertaken.





Comments on Waste Classification

- 4.11 Separate to the human health and wider environmental risks from potential contamination, the presence of some contaminants can also impact the waste spoil disposal costs. Depending on the chemical composition of the Made Ground and any contaminants present and their distribution, soils may require different levels classification for waste disposal purposes. For example, the presence of asbestos within the Made Ground or any historical demolition waste can significantly change the classification of waste soils which could incur greater disposal costs. The Client should consider the impacts that this may have the overall waste disposal strategy for the site.
- 4.12 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*⁹), and Waste Acceptance Criteria (WAC) testing.

Statutory Designation

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

⁹ Technical guidance WM3: Guidance on the Classification and Assessment of Waste (1st Edition 2015). Environment Agency.



**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^{10,11} undertaken to assess the source-pathway-receptor linkages. The potential for a pollution event to occur is evaluated using a risk classification tool¹². 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 necessary 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.

¹⁰ Guidance for the Safe Development of Housing on Land Affected by Contamination R&D66, NHBC, 2008.

¹¹ Construction Industry Research and Information Association (CIRIA). Contaminated Land Risk Assessment. A Guide to Good Practice. CIRIA C552 2001.

¹² 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.

Eastergate - West Sussex



ON SITE SOURCE: Eastern Site Area - Shallow Soils Impacted by Current and Historical Site Use as a car breakers, salvage and metal recycling centre

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

CONCEPTUAL SITE MODEL				RISK ASSESSMENT			KEY
SOURCE - Potential contamination from current / historical site use as a car breakers, salvage and metal recycling centre across the eastern site area	POTENTIAL CONTAMINANTS - asbestos, metals, inorganics, PAH, TPH, phenols, VOCs and SVOCs	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	JUSTIFICATION NOTES
		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	Residents and site visitors	Likely	Medium	Moderate	Notes 1 - 2 and 4 - 8
		Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils	Ground / construction workers	Unlikely	Medium	Low	Notes 3 - 8
		Vertical migration downwards via leaching and/or saturation of contaminated soils	Shallow groundwater within the superficial deposits (Secondary A aquifer)	Likely	Mild	Moderate/ low	Notes 4 - 11
		Lateral migration of contaminants to down hydraulic gradient surface water (baseflow)	Surface water	Unlikely	Medium	Low	Notes 4 - 8 and 12 and 13
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff	Adjacent land	Low Likelihood	Mild	Low	Notes 4 - 8 and 11 and 12
		Root uptake mechanisms	Flora	Likely	Mild	Moderate/ low	Notes 4 - 8 and 14
		Chemical attack from aggressive ground conditions (pH and water soluble sulphate) and shallow contamination	Buried services and below ground structures and foundations	Likely	Medium	Moderate	Notes 4 - 8 and 15
		Migration and accumulation of gases within building voids and enclosed spaces	Building and site occupants	Unlikely	Severe	Moderate/ low	Notes 4, 16 and 17
MINING		Potential risk identified based on the presence of nearby BGS mineral sites.					YES

JUSTIFICATION NOTES

NOTE ID	NOTES
1	It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 59 low rise residential dwellings with communal open space, private gardens and site wide hardstanding.
2	In areas of open ground, the following exposure pathways to humans are considered to be active: inhalation of contaminated dust and dermal contact and direct ingestion of contaminated soils. It is noted that these exposure pathways are only active in soft landscaped areas; permeant hardstanding breaks the potential pathways. In addition, as private gardens are proposed, the indirect ingestion of contaminated soils sorbed to home-grown produce are to be considered.
3	Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks
4	Periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site.
5	The eastern section of site has comprised a car breakers yard and scrap yard since the late 1970s, which represent potentially significant sources of contamination, namely due to the activities carried out on such sites and the potential for the storage of waste oils, fresh oils, solvents and fuel. The use of oils, fuel and other chemicals associated with the onsite activities may have given rise to contamination of shallow soils through haphazard storage, on site disposal or spillages/leaks. The current site operations are permitted under Environmental Permit CP3098SS/V004, which includes operational conditions and measures for the protection of shallow soils and controlled waters. These include sealed drainage to an interceptor across the main operational site areas and bunded storage areas for bulk hazardous materials. Information obtained from the site owner confirms that the site is compliant with the operational conditions of the Environmental Permit and has not received any non compliance points, warnings or notices from the Environment Agency during routine site inspections.
6	The presence of hardstanding across the engine removal workshop, depollution building, received vehicle storage area, engine and tyre storage areas and vehicle crushing area, will have afforded some protection to the subsurface from surface spills. However, any drainage pipes and drainage interceptors need to be carefully considered as this will have often collected hydrocarbon-impacted runoff. In addition, there is the potential for small scale leakages and spillages to have impacted shallow soils in depolluted vehicle storage areas where a crushed gravel surface cover is present
7	Small-scale hazardous material storage was recorded on site. As such minor spills and leaks may have resulted contamination of shallow soils with potential contaminants such as metals, inorganics, hydrocarbons, volatile and semi-volatile organic compounds (VOCs and SVOCs).
8	Based on the site use, potentially contaminative waste streams are considered present on site. These waste streams are considered to relate to waste oil, waste fuel, waste antifreeze, waste coolant, waste brake fluid, waste washer fluid, car batteries, electrical cabling, batteries, crushed cars, engines and scrap metal. Wastes generated on site are removed by various licensed waste carriers. From the observations made on site, housekeeping appears to be generally good.
9	Groundwater within the superficial deposits is considered to have a Moderate (M2) sensitivity, 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 sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SPZ), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage.
10	Groundwater within the London Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "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. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
11	Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.
12	Given the anticipated presence of shallow groundwater, shallow contamination may readily enter groundwater and migrate off-site.
13	The Lidyse Rife River present 233m south. However, given the distance from the site, the impact is likely to be negligible
14	Flora grown within areas of soft landscaping may be exposed to contaminants through root uptake mechanisms.
15	Potable water pipes likely laid in Made Ground
16	The organic content of the natural ground is low. Organic-rich soils are not anticipated on site.
17	A significant thickness of Made Ground is not anticipated and therefore any Made Ground present is unlikely to represent a source of ground gas.

Eastergate - West Sussex



ON SITE SOURCE: Western Site Area - Shallow Soils Impacted by limited historical and current use.

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

CONCEPTUAL SITE MODEL				RISK ASSESSMENT			KEY JUSTIFICATION NOTES
SOURCE - Potential contamination from current / historical site uses his area of the site comprises open ground used for keeping geese and ad hoc vehicle storage	POTENTIAL CONTAMINANTS - asbestos, metals, inorganics, PAH, TPH, phenols, VOCs and SVOCs	PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
		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	Residents and site visitors	Low Likelihood	Medium	Moderate/ low	Notes 1 - 2 and 4 - 6
		Inhalation of contaminated dusts, gases and vapours, dermal contact and direct ingestion of contaminated soils	Ground / construction workers	Unlikely	Medium	Low	Note 3 - 6
		Vertical migration downwards via leaching and/or saturation of contaminated soils	Shallow groundwater within the superficial deposits (Secondary A aquifer)	Unlikely	Medium	Low	Notes 3 - 9
		Lateral migration of contaminants to down hydraulic gradient surface water (baseflow)	Surface water	Unlikely	Medium	Low	Notes 3 - 9 and 10 and 11
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff	Adjacent land	Unlikely	Medium	Low	Notes 3 - 6 and 9 and 10
		Root uptake mechanisms	Flora	Low Likelihood	Mild	Low	Notes 3 - 6 and 12
		Chemical attack from aggressive ground conditions (pH and water soluble sulphate) and shallow contamination	Buried services and below ground structures and foundations	Low Likelihood	Medium	Moderate/ low	Notes 3 - 6 and 13
		Migration and accumulation of gases within building voids and enclosed spaces	Building and site occupants	Very Unlikely	Severe	Acceptably Low	Notes 4, 14 and 15
MINING		Potential risk identified based on the presence of nearby BGS mineral sites.					YES

JUSTIFICATION NOTES

NOTE ID	NOTES
1	It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 59 low rise residential dwellings with communal open space, private gardens and site wide hardstanding.
2	In areas of open ground, the following exposure pathways to humans are considered to be active: inhalation of contaminated dust and dermal contact and direct ingestion of contaminated soils. It is noted that these exposure pathways are only active in soft landscaped areas; permeant hardstanding breaks the potential pathways. In addition, as private gardens are proposed, the indirect ingestion of contaminated soils sorbed to home-grown produce are to be considered.
3	Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks
4	No significant periods of construction and demolition are not noted within mapping records and therefore a significant thickness of Made Ground is not anticipated on site. However, areas of locally deeper Made Ground may be present within the western section of the site if soils have been previously imported across this area.
5	The historical mapping records and information provided by the site owner indicates that the western area of has always comprised open undeveloped land, which has been used for private ad hoc vehicle storage and more recently for housing geese. There is therefore the potential for the shallow soils across this area of the site to have been locally impacted by small scale leaks and spillages from vehicles, with potential contaminants including metals, inorganics, polyaromatic hydrocarbons (PAH), total petroleum hydrocarbons (TPH), volatile and semi volatile organic compounds (VOCs and SVOCs).
6	Contamination may be generally minor, with possible sporadic localised areas of higher contamination
7	Groundwater within the superficial deposits is considered to have a Moderate (M2) sensitivity, 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 sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SPZ), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage.
8	Groundwater within the London Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "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. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
9	Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.
10	Given the anticipated presence of shallow groundwater, shallow contamination may readily enter groundwater and migrate off-site.
11	The Lidyse Rife River present 233m south. However, given the distance from the site, the impact is likely to be negligible.
12	Flora grown within areas of soft landscaping may be exposed to contaminants through root uptake mechanisms.
13	Potable water pipes likely laid in natural soils which may been locally impacted by site use
14	The organic content of the natural ground is low. Organic-rich soils are not anticipated on site.
15	A significant thickness of Made Ground is not anticipated and therefore any Made Ground present is unlikely to represent a source of ground gas.

Eastergate - West Sussex



OFF-SITE SOURCES

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

SOURCE	POTENTIAL CONTAMINANTS	CONCEPTUAL SITE MODEL		RISK ASSESSMENT			KEY JUSTIFICATION NOTES
		PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
Off-site landfills	Methane and carbon dioxide (ground gases), leachate.	Inhalation of gases (methane and carbon dioxide)	Site occupants	Unlikely	Severe	Moderate/ low	Notes 1 and 6
		Lateral migration of leachate on to the subject site	On-site groundwater	Unlikely	Medium	Low	Notes 1, 6 and 8
Off-site land uses - agricultural farm buildings/yard, petrol filling station and builder's yard	asbestos, metals, inorganics, PAH, TPH, pesticides, herbicides, phenols, VOCs and SVOCs	Inhalation of vapours from groundwater	Site occupants	Unlikely	Medium	Low	Notes 2 and 6
		Lateral migration of contaminated groundwater on to the subject site	On-site groundwater	Unlikely	Medium	Low	Notes 2, 6 and 8

JUSTIFICATION NOTES

NOTE ID	NOTES
1	Based on the data held within the Envirocheck database, 4 landfill(s) have been identified within 1km of the subject site (closest landfill located circa 497m). Records indicate that landfilling ceased <60 years ago and contained a range of infill materials. As such, any ground gases or leachate may still be migrating from the infilled materials and may present a risk to the subject site. Also, considering the close proximity to the subject site means that further assessment is required to understand the potential impact to future site receptors.
2	The following off-site land uses (taken from mapping records) have been considered further in this assessment as viable potential off-site sources of contamination: agricultural farm buildings/yard, petrol filling station and builder's yard. A wide range of potential contaminants have been considered including asbestos, metals, inorganics, PAH, TPH, pesticides, herbicides, phenols, VOCs and SVOCs.
3	No off-site petrol filling stations are present within close proximity to the site that would require further consideration.
4	No non-landfill waste disposal sites have been identified within relevant distances which could impact the subject site.
5	A review of regulatory information has not identified any pollution incidents which are likely to have adversely impacted the subject site.
6	Groundwater within the superficial deposits is considered to have a Moderate (M2) sensitivity, 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 sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SPZ), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage.
7	Groundwater within the London Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "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. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
8	Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.

Eastergate - West Sussex



ON SITE SOURCE: Above ground Storage Tanks - waste fuels and oils and waste antifreeze, red diesel

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

		CONCEPTUAL SITE MODEL		RISK ASSESSMENT			KEY JUSTIFICATION NOTES
		PATHWAY	RECEPTOR	LIKELIHOOD OF OCCURRENCE	CONSEQUENCE (SEVERITY)	POTENTIAL RISK	
SOURCE - Above ground Storage Tanks and associated Pipework	POTENTIAL CONTAMINANTS - TPH, lead	Inhalation of contaminated dusts, vapours, dermal contact and direct ingestion of contaminated soils, and indirect ingestion of contaminated soils sorbed to home-grown produce	Residents and site visitors	Likely	Medium	Moderate	Notes 1 and 4
		Inhalation of contaminated dusts, vapours, dermal contact and direct ingestion of contaminated soils	Ground / construction workers	Unlikely	Medium	Low	Notes 1 and 2
		Vertical migration downwards via leaching and/or saturation of contaminated soils	Shallow groundwater within the superficial deposits (Secondary A aquifer)	Low Likelihood	Medium	Moderate/ low	Notes 1, 7 and 9
		Lateral migration of contaminants to down hydraulic gradient surface water (baseflow)	Surface water	Unlikely	Medium	Low	Notes 1, 6 and 10
		Lateral migration of contaminants to down hydraulic gradient areas in groundwater and runoff	Adjacent land	Low Likelihood	Mild	Low	Notes 1, 9 and 10
		Root uptake mechanisms	Flora	Low Likelihood	Medium	Moderate/ low	Notes 1 and 5
		Chemical attack from aggressive ground conditions (pH and water soluble sulphate) and shallow contamination	Buried services and below ground structures and foundations	Likely	Medium	Moderate	Notes 1 and 3

JUSTIFICATION NOTES

NOTE ID	NOTES
1	Bulk hazardous liquid storage was recorded on site comprising a 2000 litre waste diesel tank, 2 x 2000 litre waste petrol tanks, 2000 litre waste oil tank, 2000 litre waste anti freeze tank and a 2500 litre red diesel tank. All tanks were located within lined bunds and contained a dip meter and gauge for monitoring contents levels to ensure they are not overfilled. There have been no reported leakages from the bulk storage tanks or reported pipework failures. No evidence of staining or leakages was observed around the tanks or within the brick bund. Potential contaminants associated with long term bulk hazardous liquid storage include TPH, PAHs, VOCs and SVOCs.
2	Construction workers - use of appropriate PPE and awareness of potential hazards through 'toolbox' talks
3	Potable water pipes likely laid in Made Ground or locally impacted natural soils.
4	It is understood that proposals involve the clearance of the site and construction of a residential development. The proposed development will comprise 59 low rise residential dwellings with communal open space, private gardens and site wide hardstanding.
5	Flora grown within areas of soft landscaping may be exposed to contaminants through root uptake mechanisms.
6	The Lidey Rife River present 233m south. However, given the distance from the site, the impact is likely to be negligible.
7	Groundwater within the superficial deposits is considered to have a Moderate (M2) sensitivity, 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 sensitivity classification has been assigned given the absence of any formal groundwater protection at the site (i.e. site not located within a SPZ), the presence of groundwater abstractions nearby, but also the expected permeability and potential for groundwater storage.
8	Groundwater within the London Clay Formation is considered to have a Very Low (L2) sensitivity, which is described in the guidance as being "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. High potential for surface runoff or ponding." This sensitivity classification has been assigned given the expected low permeability and limited potential for groundwater storage and transmission.
9	Considering the information from the BGS reviewed as part of this Phase 1, shallow groundwater may be present beneath the site.
10	Given the anticipated presence of shallow groundwater, shallow contamination may readily enter groundwater and migrate off-site.

APPENDIX A: ENVIROCHECK REPORT

Envirocheck[®] Report:

Datasheet

Order Details:

Order Number:

266274390_1_1

Customer Reference:

3765

National Grid Reference:

494380, 105800

Slice:

A

Site Area (Ha):

3.28

Search Buffer (m):

1000

Site Details:

S R C Recycling Ltd, Fontwell Avenue

Eastergate

CHICHESTER

PO20 3RU

Client Details:

Mr M Dean

Lustre Consulting Ltd

Second Floor North,

The Fitted Rigging House,

The Historic Dockyard

Chatham

Kent

ME4 4TZ

Report Section	Page Number
Summary	-
Agency & Hydrological	1
Waste	20
Hazardous Substances	-
Geological	23
Industrial Land Use	26
Sensitive Land Use	33
Data Currency	34
Data Suppliers	39
Useful Contacts	40

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	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 1		2	7	12
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 6			1	1
Local Authority Pollution Prevention and Control Enforcements					
Nearest Surface Water Feature	pg 6	Yes			
Pollution Incidents to Controlled Waters	pg 7				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 7		1		
River Quality Biology Sampling Points	pg 7		1		
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7		1		7 (*13)
Water Industry Act Referrals					
Groundwater Vulnerability Map	pg 13	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 13	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 13	Yes	n/a	n/a	n/a
Source Protection Zones	pg 13		2		2
Extreme Flooding from Rivers or Sea without Defences	pg 13		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 14		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 14	1	4	16	25

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Waste					
BGS Recorded Landfill Sites					
Historical Landfill Sites	pg 20			1	1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 20			1	
Local Authority Landfill Coverage	pg 20	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 20				2
Potentially Infilled Land (Non-Water)	pg 21		1		4
Potentially Infilled Land (Water)	pg 21			3	21
Registered Landfill Sites					
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites	pg 22		1		
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 23	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 23	Yes			Yes
BGS Recorded Mineral Sites	pg 23		1		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 24	Yes	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 24	Yes		n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 24	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 25	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 26	3	2	13	20
Fuel Station Entries	pg 29			1	
Points of Interest - Commercial Services	pg 29	4		3	7
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 30		2	2	8
Points of Interest - Public Infrastructure	pg 31			6	1
Points of Interest - Recreational and Environmental	pg 32			3	3
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland					
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas					
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks					
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 33	1		1	
Ramsar Sites					
Sites of Special Scientific Interest					
Special Areas of Conservation					
Special Protection Areas					
World Heritage Sites					

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (NW)	0	1	494384 105798
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	260	1	494750 105800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NE (S)	337	1	494500 105350
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	344	1	494850 105750
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A9NW (SE)	425	1	494800 105400
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	448	1	494950 105650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A14SW (E)	494	1	495000 105798
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	494	1	495000 105700
1	Discharge Consents Operator: Portsmouth Water Ltd Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Eastergate Wtw Fontwell Avenue, Eastergate, Chichester, West Sussex, Po20 3rz Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprhb3593rs Permit Version: 1 Effective Date: 24th May 2018 Issued Date: 24th May 2018 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SW (S)	238	2	494341 105486
1	Discharge Consents Operator: Portsmouth Water Ltd Property Type: WTW/WATER COLLECTION/TREATMENT/SUPPLY Location: Westergate Wtw Level Mare Lane, Westergate, Chichester, West Sussex, Po20 3sb Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: Eprjb3299rh Permit Version: 1 Effective Date: 24th May 2018 Issued Date: 24th May 2018 Revocation Date: Not Supplied Discharge Type: Trade Discharges - Process Effluent - Water Company (Wtw) Discharge: Freshwater Stream/River Environment: Receiving Water: Lidsey Rife Status: New issued under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SW (S)	238	2	494341 105486

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
2	Discharge Consents Operator: Mr A W Davies Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Herbary, Northfield Farm, Fontwell Avenue, Eastergate, West Sussex, Po20 6rx Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P05260 Permit Version: 1 Effective Date: 14th April 1994 Issued Date: 14th April 1994 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A13NE (NE)	286	2	494560 106120
3	Discharge Consents Operator: Mrs A Warren-Davies Property Type: Undefined Or Other Location: Northfields Farm & Converted Far, Building, Eastergate, Chichester, West Sussex, Po20 6rx Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P05082 Permit Version: 2 Effective Date: 11th August 1994 Issued Date: 11th August 1994 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A18SE (N)	346	2	494520 106200
3	Discharge Consents Operator: Mrs A Warren-Davies Property Type: Undefined Or Other Location: Northfields Farm & Converted Far, Building, Eastergate, Chichester, West Sussex, Po20 6rx Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P05082 Permit Version: 1 Effective Date: 20th October 1993 Issued Date: 20th October 1993 Revocation Date: 11th August 1994 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 10m	A18SE (N)	346	2	494520 106200
4	Discharge Consents Operator: The Occupier Property Type: CONSTRUCTION OF BUILDINGS Location: Development At Old Rectory, Church Lane, Eastergate, Chichester West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: N02015 Permit Version: 1 Effective Date: 25th April 1979 Issued Date: 25th April 1979 Revocation Date: 1st July 1991 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 10m	A8NW (S)	347	2	494340 105370

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
5	Discharge Consents Operator: Mr And Mrs E. Eismark Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Blackberry Lodge, Eastergate Blackberry Lodge, Northfields Lane, Eastergate, Chichester, West Sussex, Po20 3uh Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Bamham Rife Reference: P12241 Permit Version: 1 Effective Date: 17th January 2005 Issued Date: 17th January 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib. Lydney Rife 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	A17SE (NW)	451	2	493960 106220
6	Discharge Consents Operator: Mr S. Foschini Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Belle Vue, Eastergate, Chichester Level Mare Lane, Eastergate, Chichester, West Sussex, Po20 3sa Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Bamham Rife Reference: P12803 Permit Version: 1 Effective Date: 14th August 2006 Issued Date: 14th August 2006 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Underground Water Environment: Receiving Water: Groundwater Via A Soakaway Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 100m	A18SW (N)	492	2	494200 106400
6	Discharge Consents Operator: Mr Thomas Haslett Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Hollyholme Level Mare Lane, Eastergate, Chichester, West Sussex, Po20 3sa Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Bamham Rife Reference: Npswqd000608 Permit Version: 1 Effective Date: 8th February 2008 Issued Date: 8th February 2008 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Ground Waters Via A Soakaway 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	A18SW (N)	532	2	494213 106443
7	Discharge Consents Operator: West Sussex County Council Property Type: EDUCATION/NURSERY/SCHOOL/COLLEGE/UNI/TRAINING VENUE Location: Eastergate C.E. Primary School, Chichester, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01816 Permit Version: 1 Effective Date: 25th March 1969 Issued Date: 25th March 1969 Revocation Date: 20th March 1996 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	A8NW (S)	500	2	494280 105230

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Mrs Karen Plunkett Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Meadows (Formerly Firtree Cottage) Denmans Lane, Eastergate, West Sussex, West Sussex, Po20 3sd Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Barnham Rife Reference: P12287 Permit Version: 1 Effective Date: 10th February 2005 Issued Date: 10th February 2005 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Groundwater Via Soakaway 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	A18NW (N)	569	2	494380 106480
9	Discharge Consents Operator: Arun District Council Property Type: Undefined Or Other Location: Westergate Street & Ivy Lane, Left Bank Of The Rife, O.S. Parcel No. 291 At Westergat, Chichester, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S02140 Permit Version: 1 Effective Date: 28th December 1972 Issued Date: 28th December 1972 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	A8NW (S)	570	2	494240 105170
10	Discharge Consents Operator: Mr C.A. & Mrs J.C. Felstead Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Mount Pleasant Cottage, Level Mare Ln/N.Flds Ln, Eastergate, Chichester West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02221 Permit Version: 1 Effective Date: 3rd April 1989 Issued Date: 3rd April 1989 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Land/Soakaway Environment: Receiving Water: Into Land Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A18SW (NW)	600	2	494060 106470
11	Discharge Consents Operator: Dj & Hd Godsmark Property Type: Mixed Farming Location: Swallowfield, Eastergate Lane, Eastergate, West Sussex, Po20 3sj Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: App/So/75su Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 1st April 1999 Revocation Date: Not Supplied Discharge Type: Trade Discharge - Process Water Discharge: Into Land Environment: Receiving Water: Into Land Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A19SW (NE)	602	2	494980 106190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
12	Discharge Consents Operator: Fleurie Nursery Ltd Property Type: Mixed Farming Location: Fleurie Nursery Ltd, Eastergate Nurseries, Church Lane Eastergate, Chichester West Sussex, Po20 6xd Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: App/So/32su Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 1st April 1999 Revocation Date: 28th January 2003 Discharge Type: Trade Discharge - Process Water Discharge: Into Land Environment: Receiving Water: Into Land Status: Revoked Groundwater Regulations Authorisation Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	676	2	494740 105060
13	Discharge Consents Operator: Messrs Lisney & Partners Property Type: Undefined Or Other Location: Road Adjoining Heron House, Westergate Street, Chichester, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01670 Permit Version: 1 Effective Date: 3rd January 1968 Issued Date: 3rd January 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	A7NE (SW)	698	2	493810 105230
14	Discharge Consents Operator: Fleurie Nurseries Ltd (David Shores (Sussex)Ltd Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Fleurie Nurseries Ltd, Eastergate Eastergate Nurseries, Church Lane, Eastergate, Chichester, West Sussex, Po201 3xd Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Bamham Rife Reference: P11969 Permit Version: 1 Effective Date: 27th February 2004 Issued Date: 27th February 2004 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Onto Land/Into Watercourse Environment: Receiving Water: Unnamed Trib. Lidsey Rife 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	A9SW (SE)	750	2	494830 105020
15	Discharge Consents Operator: G O Rusbridge & Co Property Type: Mixed Farming Location: Norton Grange Farm, Norton Lane, Chichester, West Sussex, Po20 6nh Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: App/So/79su Permit Version: 1 Effective Date: 1st April 1999 Issued Date: 7th March 2001 Revocation Date: 7th March 2013 Discharge Type: Trade Discharge - Process Water Discharge: Into Land Environment: Receiving Water: Into Land Status: New Consent (Water Resources Act 1991, Section 88 & Schedule 10 as amended by Environment Act 1995) Positional Accuracy: Located by supplier to within 10m	A12SW (W)	837	2	493430 105640

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Discharge Consents Operator: Phillpot Contractors Ltd. Property Type: Undefined Or Other Location: Plots 1/2 Westergate St., Westergate, Chichester, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: P00337 Permit Version: 1 Effective Date: 4th February 1986 Issued Date: 4th February 1986 Revocation Date: 1st July 1991 Discharge Type: Trade Effluent Discharge-Site Drainage 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 10m	A7SE (SW)	898	2	493790 105000
17	Discharge Consents Operator: Mr G. Needham Property Type: FARMS (NOT HOUSE)/CROP + ANIMAL REARING/PLANT NURSERY Location: Brooks Nursery, Bamham, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Supplied Reference: S01907 Permit Version: 1 Effective Date: 19th May 1970 Issued Date: 19th May 1970 Revocation Date: 1st May 1994 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 10m	A9SW (SE)	920	2	495050 104960
18	Discharge Consents Operator: Lindsey Caravan Park Ltd Property Type: HOLIDAY ACCOM/CAMP SITE/CARAVAN SITE/HOTEL/HOSTEL Location: Lidsey Farm Caravan Pk, Lidsey, Bognor Regis, West Sussex, Po22 9pg Authority: Environment Agency, Southern Region Catchment Area: Aldingbourne/Bamham Rife Reference: S00001 Permit Version: 1 Effective Date: 3rd August 1981 Issued Date: 3rd August 1981 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of The Lidsey Rife Status: Pre National Rivers Authority Legislation where issue date < 01/09/1989 Positional Accuracy: Located by supplier to within 100m	A7SE (SW)	998	2	493840 104860
19	Local Authority Pollution Prevention and Controls Name: Esso WestergateAldingbourne Motors (Sussex) Ltd Location: Nyton Road, Westergate, CHICHESTER, West Sussex, PO20 3UN Authority: Arun District Council, Environmental Health Department Permit Reference: 1939 Dated: 10th September 1998 Process Type: Local Authority Air Pollution Control Description: PG1/14 Petrol filling station Status: Permitted Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	259	3	494062 105597
20	Local Authority Pollution Prevention and Controls Name: Pmc Repairs Location: 2-2a Fordingbridge Industrial Estate, Bamham Road, Bamham, Po22 0hd Authority: Arun District Council, Environmental Health Department Permit Reference: 1880 Dated: 30th September 1993 Process Type: Local Authority Air Pollution Control Description: PG6/34 Respraying of road vehicles Status: Permitted Positional Accuracy: Manually positioned to the address or location	A9NE (SE)	791	3	495172 105280
	Nearest Surface Water Feature	A13NW (W)	0	-	494331 105811

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
21	Pollution Incidents to Controlled Waters Property Type: Restaurant/Hotels/Pubs Location: Lidsey Rife, By Wilkes Hed, EASTERGATE Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil On Rife Incident Date: 25th November 1996 Incident Reference: 1945 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	A8SW (S)	665	2	494380 105030
22	Pollution Incidents to Controlled Waters Property Type: Miscellaneous Premises: Unknown Location: Adjacent To Lec, ALDINGBOURNE Authority: Environment Agency, Southern Region Pollutant: Oils - Unknown Note: Oil On The Aldingbourne Rife Incident Date: 15th December 1998 Incident Reference: 2842 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Poor Operational Practice Incident Severity: Category 3 - Minor Incident Positional Accuracy: Unknown	A7SE (SW)	770	2	493950 105060
	River Quality Name: Lidsey Rife GQA Grade: River Quality E Reach: Aldingbourne/Barnham Rifles - Westergate Estimated Distance (km): 6.1 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A13SW (S)	233	2	494319 105499
23	River Quality Biology Sampling Points Name: Lidsey Rife Reach: Aldingbourne/Barnham Rifles To Westergate Estimated Distance: 6.10 Positional Accuracy: Located by supplier to within 10m Year: 1990 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 1995 GQA Grade: River Quality Biology GQA Grade A - Very Good Year: 2000 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2002 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2003 GQA Grade: River Quality Biology GQA Grade Not Supplied Year: 2004 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2005 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2006 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2007 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2008 GQA Grade: River Quality Biology GQA Grade C - Fairly Good Year: 2009 GQA Grade: River Quality Biology GQA Grade C - Fairly Good	A13SW (S)	232	2	494320 105500
24	Water Abstractions Operator: J R Robinson Licence Number: 10/41/542105 Permit Version: 100 Location: Point A At Eastergate Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted To Be Used On Land Marked Pink On Said Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A13NW (NW)	32	2	494260 105910

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 10/41/542108 Permit Version: 103 Location: Point A Eastergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	724	2	494807 106492
25	Water Abstractions Operator: Portsmouth Water Company Licence Number: 542108C Permit Version: Not Supplied Location: Eastergate Pumping Station, EASTERGATE Authority: Environment Agency, Southern Region Abstraction: Private Water Undertaking Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 22000 Yearly Rate (m3): 8052000 Details: Additional Purpose: Public Water Supply 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	A19NW (NE)	724	2	494800 106495
25	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 10/41/542108 Permit Version: 101 Location: Point A Eastergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	728	2	494800 106500
25	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 10/41/542108 Permit Version: 102 Location: Point A Eastergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	728	2	494800 106500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
25	Water Abstractions Operator: Portsmouth Water Co Licence Number: 10/41/542108 Permit Version: 100 Location: Point A Eastergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: H5 Chalk Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th September 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19NW (NE)	728	2	494800 106500
26	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 10/41/542108 Permit Version: 103 Location: Point B Westergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (N)	992	2	493956 106850
26	Water Abstractions Operator: Portsmouth Water Company Licence Number: 542108A Permit Version: Not Supplied Location: Westergate Pumping Station, EASTERGATE Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Pond or Lake Daily Rate (m3): 22000 Yearly Rate (m3): 8052000 Details: Additional Purpose: Public Water Supply 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	A22SE (NW)	997	2	493930 106845
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 10/41/542108 Permit Version: 101 Location: Point B Westergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1059	2	493900 106900

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Portsmouth Water Ltd Licence Number: 10/41/542108 Permit Version: 102 Location: Point B Westergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22SE (NW)	1059	2	493900 106900
	Water Abstractions Operator: Portsmouth Water Co Licence Number: 10/41/542108 Permit Version: 100 Location: Point B Westergate Pumping Station Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: Potable Water Supply - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: H5 Chalk Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 9th September 1996 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A22SE (NW)	1059	2	493900 106900
	Water Abstractions Operator: Ms K H Fuente Licence Number: 10/41/542211 Permit Version: 101 Location: Point A At Stoneyfields Nurseries, Eastergate Lane, Walberton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted May Be Used On Land Coloured Pink On Said Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A15NW (E)	1103	2	495590 105920
	Water Abstractions Operator: Mr P H C Fuente Licence Number: 10/41/542211 Permit Version: 100 Location: Point A At Stoneyfields Nurseries, Eastergate Lane, Walberton Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted May Be Used On Land Coloured Pink On Said Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 3rd January 1978 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A15NW (E)	1103	2	495590 105920

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102 Permit Version: 101 Location: Between Points A&B At Lidsey,Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Plan Accompanying This Licence Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 10th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1370	2	494380 104320
	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102 Permit Version: 100 Location: Between Points A&B At Lidsey,Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): 909 Yearly Rate (m3): 24545.2 Details: Water Abstracted Shall Be Used On Land And Buildings Marked Pink On The Plan Accompanying This Licence Authorised Start: 01 March Authorised End: 31 August Permit Start Date: 20th May 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1370	2	494380 104320
	Water Abstractions Operator: Ashmarden Limited Licence Number: 10/41/542102/R01 Permit Version: 2 Location: Between Points A&B At Lidsey,Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 13th December 2018 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1380	2	494358 104312
	Water Abstractions Operator: Ashmarden Ltd Licence Number: 10/41/542102/R01 Permit Version: 1 Location: Between Points A&B At Lidsey,Bersted Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 March Authorised End: 31 October Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A3SW (S)	1380	2	494358 104312

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Messrs W H & D Gillbard Licence Number: 10/41/541301 Permit Version: 100 Location: Park Farm Reach E-F, Aldingbourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used Only On Land Marked Pink On The Plan Accompanying This Licence Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 16th April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SE (SW)	1469	2	493050 104930
	Water Abstractions Operator: G O Rushbridger Licence Number: 10/41/541306 Permit Version: 100 Location: A Well At Norton Grange Farm, Aldingbourne Authority: Environment Agency, Southern Region Abstraction: General Farming And Domestic Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Only Be Used On Land And Buildings In The Occupation The The Licence Holder At Norton Grange Farm Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 29th March 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1524	2	492980 106690
	Water Abstractions Operator: G O Rushbridge & Co Licence Number: 10/41/541312 Permit Version: 100 Location: At Norton Grange Farm, Aldingbourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used On Land Marked Pink On The Said Map Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 16th April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A16NW (NW)	1552	2	492960 106710
	Water Abstractions Operator: Messrs W H & D Gillbard Licence Number: 10/41/541301 Permit Version: 100 Location: Park Farm Reach C-D, Aldingbourne Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Direct Abstraction Type: Water may be abstracted from a river or stream reach, or a row of wellpoints Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Water Abstracted Shall Be Used Only On Land Marked Pink On The Plan Accompanying This Licence Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 16th April 2019 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	1562	2	492840 105110

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial: High Recharge: High	A13SE (SE)	0	4	494468 105706
	Groundwater Vulnerability Map Combined Classification: Secondary Superficial Aquifer - Medium Vulnerability Combined Vulnerability: Medium Combined Aquifer: Unproductive Bedrock Aquifer, Productive Superficial Aquifer Pollutant Speed: Intermediate Bedrock Flow: Mixed Dilution: 300-550 mm/year Baseflow Index: >70% Superficial: >90% Patchiness: Superficial Thickness: 3-10m Superficial: High Recharge: High	A13SE (NW)	0	4	494384 105798
	Groundwater Vulnerability - Soluble Rock Risk None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (NW)	0	4	494384 105798
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (SE)	0	4	494468 105706
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - A	A13SE (NW)	0	4	494384 105798
27	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone IIc (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater - subsurface activity only.	A13NE (N)	6	2	494414 105881
28	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone Ic (Inner Protection Zone): Travel time of 50 days or less to the groundwater source - subsurface activity only.	A13NE (NE)	214	2	494515 106064
29	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A19SW (NE)	678	2	494774 106457
30	Source Protection Zones Name: Not Supplied Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone I (Inner Protection Zone): Travel time of 50 days or less to the groundwater source.	A22SE (NW)	958	2	493959 106814
	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	A13SW (SW)	10	2	494349 105725

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	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	A13SW (S)	44	2	494365 105684
	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	A13SW (S)	201	2	494334 105528
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 102.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13NW (W)	0	5	494331 105811
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 202.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SW (S)	83	5	494370 105626
33	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 17.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SW (S)	201	5	494333 105529
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SW (S)	214	5	494338 105512
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 172.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A13SW (S)	243	5	494340 105481
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 225.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (W)	282	5	493985 105841
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 256.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12NE (W)	372	5	493909 105908

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	377	5	493905 105634
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	382	5	493894 105651
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	385	5	493890 105652
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8NW (S)	407	5	494323 105312
42	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 675.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8NW (S)	411	5	494321 105309
43	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	429	5	493832 105712
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 7.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	435	5	493828 105703
45	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	A12SE (W)	440	5	493824 105696
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	443	5	493822 105692

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
47	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	A12SE (W)	446	5	493819 105687
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	448	5	493818 105682
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.0 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	457	5	493812 105666
50	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	459	5	493811 105663
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 104.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	487	5	493772 105739
52	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	509	5	493765 105637
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 333.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A12SE (W)	513	5	493762 105636
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8SE (SE)	592	5	494669 105124
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 189.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8SE (S)	620	5	494648 105089

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NE (NW)	704	5	493990 106552
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 221.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	743	5	495167 105370
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7NW (SW)	767	5	493557 105454
59	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 6.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7NW (SW)	767	5	493557 105454
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 157.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7NW (SW)	770	5	493557 105447
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 213.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8SE (S)	774	5	494582 104918
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 462.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A8SE (S)	774	5	494582 104918
63	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 9.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7NW (W)	788	5	493535 105452
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	806	5	495229 105350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 3.7 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NE (NW)	855	5	493792 106609
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 162.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A17NE (NW)	858	5	493788 106610
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1154.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9NE (SE)	872	5	495326 105408
68	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 100.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7NW (SW)	872	5	493510 105318
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 23.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SE (SW)	904	5	493736 105029
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 151.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A9SW (SE)	920	5	495043 104956
71	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.0 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SE (SW)	922	5	493738 105005
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 891.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7NW (SW)	937	5	493497 105219
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 29.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SE (SW)	958	5	493744 104958

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 340.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A3NE (S)	970	5	494514 104717
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SE (SW)	979	5	493749 104930
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: West Streams Primacy: 1	A7SE (SW)	981	5	493746 104929

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
77	Historical Landfill Sites Licence Holder: Eastergate Parish Council Location: Eastergate, Sussex Name: Wandleys Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL20078 First Input Date: 14th March 1979 Last Input Date: 13th March 1981 Specified Waste: Deposited Waste included Inert Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8126 BGS Ref: Not Supplied Other Ref: WD27/100, WD13/5/28	A19SW (NE)	497	2	494775 106248
78	Historical Landfill Sites Licence Holder: Not Supplied Location: Eastergate, Sussex Name: Eastergate Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHL20155 First Input Date: 31st December 1949 Last Input Date: 31st December 1963 Specified Waste: Deposited Waste included Inert, Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8188 BGS Ref: Not Supplied Other Ref: 27-153, WD27/099	A14NW (E)	544	2	495022 105954
79	Licensed Waste Management Facilities (Locations) Licence Number: 19748 Location: Sussex Recovery, Fontwell Avenue, Eastergate, West Sussex, PO20 3RU Operator Name: S R C Recycling Ltd Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: Metal Recycling Sites (Vehicle Dismantlers) Licence Status: Modified Issued: 31st March 1994 Last Modified: 16th March 2009 Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 100m	A14NW (NE)	348	2	494800 106000
	Local Authority Landfill Coverage Name: Arun District Council - Has no landfill data to supply		0	6	494384 105798
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		0	7	494384 105798
80	Local Authority Recorded Landfill Sites Location: Eastergate Lane, Eastergate Reference: EG/1/49 Authority: West Sussex County Council, Environment & Development Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Positioned by the supplier Boundary Quality: Moderate	A14NW (E)	542	7	495020 105954
81	Local Authority Recorded Landfill Sites Location: Wandleys Lane, Eastergate Reference: EG/57/78 Authority: West Sussex County Council, Environment & Development Last Reported Status: Unknown Types of Waste: Not Supplied Date of Closure: Not Supplied Positional Accuracy: Located by supplier to within 100m Boundary Quality: Not Applicable	A19SW (NE)	554	7	494800 106300

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
82	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1979	A13NE (NE)	203	-	494646 105970
83	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1979	A19SW (NE)	559	-	494816 106295
84	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1979	A18NW (N)	569	-	494375 106480
85	Potentially Infilled Land (Non-Water) Bearing Ref: N Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1979	A18NE (N)	620	-	494383 106531
86	Potentially Infilled Land (Non-Water) Bearing Ref: E Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1992	A14NE (E)	688	-	495142 106061
87	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A12NE (W)	336	-	493961 105965
88	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A12NE (NW)	352	-	493972 106060
89	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A9NW (SE)	376	-	494755 105425
90	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A8NW (S)	519	-	494322 105193
91	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A8NE (SE)	520	-	494710 105218
92	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A8NW (S)	556	-	494236 105186
93	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A9NW (SE)	636	-	494964 105267
94	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A8SW (S)	645	-	494224 105096
95	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A18NE (N)	649	-	494577 106508
96	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1914	A8SW (S)	674	-	494106 105106
97	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A19SW (NE)	676	-	494834 106423
98	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A18NE (N)	723	-	494555 106600
99	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A19NW (NE)	770	-	494862 106515
100	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A18NE (N)	785	-	494611 106642

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
101	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A8SW (S)	785	-	494328 104917
102	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A19NW (NE)	813	-	494878 106555
103	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A9NE (SE)	816	-	495271 105421
104	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A8SE (S)	825	-	494563 104865
105	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A12SW (W)	869	-	493395 105660
106	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1899	A9SE (SE)	922	-	495210 105113
107	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1961	A9SW (SE)	930	-	494799 104811
108	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A23SE (N)	965	-	494626 106827
109	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A7SE (SW)	971	-	493978 104836
110	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1880	A7SE (S)	1000	-	493978 104805
111	Registered Waste Treatment or Disposal Sites Licence Holder: D M Parker Licence Reference: WSX/L1/0103/1 Site Location: Sussex Recovery, Fontwell Avenue, Eastergate, CHICHESTER, West Sussex, PO20 6RU Operator Location: As Site Address Authority: Environment Agency - Southern Region, Sussex Area Site Category: Scrapyard Max Input Rate: Very Small (Less than 10,000 tonnes per year) Waste Source: No known restriction on source of waste Restrictions: Licence Status: Operational as far as is known Dated: 31st March 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Quality: Not Supplied Authorised Waste: Max.Waste Permitted By Licence Motor Vehicles Prohibited Waste: Asbestos Domestic Electrical Appliances Metallic Powders Percussive/Explosive/Similar Waste Spec.Waste (Epa'90:S62/1996 Regs)N.O.S Sub'S Control. Radioactive Subs Act'60 Tankers Waste Cont. Pcb's Waste N.O.S. Waste React.Violently Water Or Air	A13SE (S)	32	2	494425 105675

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SE (NW)	0	1	494384 105798
	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	A13SE (NW)	0	1	494384 105798
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A17SE (NW)	612	1	493766 106227
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A18NW (N)	660	1	494290 106577
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic Concentration: 15 - 25 mg/kg Cadmium Concentration: <1.8 mg/kg Chromium Concentration: 60 - 90 mg/kg Lead Concentration: <100 mg/kg Nickel Concentration: 15 - 30 mg/kg	A19SW (NE)	742	1	494998 106382
112	BGS Recorded Mineral Sites Site Name: Northfields Farm Gravel Pit Location: Nyton, Aldingbourne, Chichester, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157595 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A13NE (NE)	220	1	494660 105980
113	BGS Recorded Mineral Sites Site Name: Northfields Farm Gravel Pit Location: Nyton, Aldingbourne, Chichester, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157597 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (E)	648	1	495121 105990

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	BGS Recorded Mineral Sites Site Name: Northfields Farm Gravel Pit Location: Nyton, Aldingbourne, Chichester, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157596 Type: Opencast Status: Ceased Operator: Unknown Operator Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A14NE (E)	727	1	495174 106086
	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: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	494384 105798
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	494380 105801
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	101	1	494200 105672
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	110	1	494587 105633
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	494384 105798
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	494384 105798
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	494384 105798
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	494384 105798
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	494380 105801
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (SW)	101	1	494200 105672
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	110	1	494587 105633
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (NW)	0	1	494384 105798
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (NW)	0	1	494380 105801
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	1	1	494369 105723

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (W)	204	1	494073 105872
	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	A13SE (NW)	0	1	494384 105798
	Radon Potential - Radon Affected Areas Affected Area: The property is in a Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level). Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	0	1	494426 105747
	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	A13SE (NW)	0	1	494384 105798
	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	A13SE (SE)	0	1	494426 105747

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
115	Contemporary Trade Directory Entries Name: S R C Recycling Ltd Location: Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 3RU Classification: Salvage Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	494421 105756
115	Contemporary Trade Directory Entries Name: Sussex Recovery Location: Fontwell Avenue, Eastergate, Chichester, PO20 3RU Classification: Salvage Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	494421 105756
115	Contemporary Trade Directory Entries Name: S R C Recycling Ltd Location: Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 3RU Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	494421 105756
116	Contemporary Trade Directory Entries Name: Edge Building Products Location: Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 3RU Classification: Cladding Suppliers & Installers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (S)	84	-	494453 105609
117	Contemporary Trade Directory Entries Name: S P R Centre Location: Greenfields Farm, Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 3RU Classification: Pet Foods & Animal Feeds Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	201	-	494604 106007
118	Contemporary Trade Directory Entries Name: Esso Location: Nyton Road Westergate, Aldingbourne, Chichester, West Sussex, PO20 3UA Classification: Petrol Filling Stations Status: Active Positional Accuracy: Manually positioned to the address or location	A13SW (SW)	255	-	494063 105602
118	Contemporary Trade Directory Entries Name: M R H Service Station Location: Nyton Road, Westergate, Chichester, PO20 3UN Classification: Petrol Filling Stations Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SW (SW)	255	-	494062 105602
118	Contemporary Trade Directory Entries Name: Esso Garage Location: Nyton Road, Westergate, Chichester, PO20 3UN Classification: Petrol Filling Stations Status: Active Positional Accuracy: Automatically positioned to the address	A13SW (SW)	255	-	494062 105602
119	Contemporary Trade Directory Entries Name: Hoofin Around Location: 20, Westergate Mews, Nyton Road, Westergate, Chichester, West Sussex, PO20 3YP Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	346	-	493984 105554
120	Contemporary Trade Directory Entries Name: Just Sew Location: Prospect House, Nyton Road, Westergate, Chichester, West Sussex, PO20 3UN Classification: Photocopiers Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	358	-	493944 105595
120	Contemporary Trade Directory Entries Name: Apogee Corporation Location: Apogee House, Nyton Road, Westergate, Chichester, West Sussex, PO20 3UN Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	358	-	493944 105595

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
120	Contemporary Trade Directory Entries Name: P W Taylor Location: Christmas Cottage, Nyton Road, Westergate, Chichester, West Sussex, PO20 3UN Classification: Washing Machines - Servicing & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	367	-	493932 105598
121	Contemporary Trade Directory Entries Name: Temppest Environmental Services Location: 8, Highview Road, Eastergate, Chichester, PO20 3XB Classification: Pest & Vermin Control Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (SE)	361	-	494710 105404
121	Contemporary Trade Directory Entries Name: Caroline Cleaning Co Ltd Location: 3, Highview Road, Eastergate, Chichester, West Sussex, PO20 3XB Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (SE)	385	-	494706 105371
122	Contemporary Trade Directory Entries Name: D Faulkner Springs Llp Location: Greensleeves, Northfields Lane, Westergate, Chichester, West Sussex, PO20 3UH Classification: Spring Manufacturers & Distributors Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	364	-	493895 105739
123	Contemporary Trade Directory Entries Name: Smarter Blinds Location: Nuthatch, Church Lane, Eastergate, Chichester, West Sussex, PO20 3UT Classification: Blinds, Awnings & Canopies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	396	-	494383 105304
124	Contemporary Trade Directory Entries Name: Automation-Uk Ltd Location: St Georges Walk, Eastergate, Chichester, West Sussex, PO20 3XS Classification: Automation Systems & Equipment Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A8NE (SE)	408	-	494595 105293
125	Contemporary Trade Directory Entries Name: A1 Steamvac Ltd Location: Park Cottage, Northfields Lane, Westergate, Chichester, PO20 3UH Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A12SE (W)	449	-	493813 105706
126	Contemporary Trade Directory Entries Name: A & P Trade Cars Location: Eastergate La, Eastergate, Chichester, West Sussex, PO20 3SJ Classification: Car Dealers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NW (NE)	513	-	494950 106068
127	Contemporary Trade Directory Entries Name: Peter Rowe Joinery Location: Unit C2,Holmdale Ind Est,Fontwell Av, Eastergate, Chichester, West Sussex, PO20 3YJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A19SW (NE)	521	-	494773 106278
128	Contemporary Trade Directory Entries Name: Prettywaste Location: 12, School Close, Westergate, Chichester, West Sussex, PO20 3AB Classification: Shredding Equipment & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	541	-	494031 105275
129	Contemporary Trade Directory Entries Name: Rjs Clearance Services Location: Manor Farm, Church Lane, Eastergate, Chichester, West Sussex, PO20 3UT Classification: Waste Merchants Status: Inactive Positional Accuracy: Automatically positioned to the address	A8NE (S)	550	-	494545 105140

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Contemporary Trade Directory Entries Name: Welcome Engineering Location: Unit C, Holmdale Estate, Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 6YJ Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	572	-	494826 106303
130	Contemporary Trade Directory Entries Name: Easterchem Location: Unit A9, Holmdale Estate, Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 6YJ Classification: Chemists' & Pharmacists' Suppliers & Wholesalers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	610	-	494867 106321
130	Contemporary Trade Directory Entries Name: Tempcon Instrumentation Ltd Location: B1-B3, Unit, Holmdale Estate, Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 6YJ Classification: Temperature Monitoring Systems Manufacturers Status: Inactive Positional Accuracy: Automatically positioned in the proximity of the address	A19SW (NE)	610	-	494867 106321
131	Contemporary Trade Directory Entries Name: Ashton Heating Services Location: 27, Barnetts Field, Westergate, CHICHESTER, West Sussex, PO20 3UD Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A12SE (SW)	573	-	493765 105473
132	Contemporary Trade Directory Entries Name: Servac International Marine Technology Location: Rock House, Westergate Street, Westergate, Chichester, West Sussex, PO20 3RJ Classification: Marine Engineering Equipment Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A7NE (SW)	591	-	493872 105318
133	Contemporary Trade Directory Entries Name: L J M Transport Location: 2, St. Richards Road, Westergate, Chichester, West Sussex, PO20 3RD Classification: Road Haulage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	626	-	493985 105203
134	Contemporary Trade Directory Entries Name: Fontwell Joinery Location: Unit A8, Holmdale Estate, Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 6YJ Classification: Joinery Manufacturers Status: Inactive Positional Accuracy: Automatically positioned to the address	A19SW (NE)	668	-	494926 106347
135	Contemporary Trade Directory Entries Name: Dream Pools Ltd Location: Eastergate Lane, Eastergate, Chichester, PO20 3SJ Classification: Swimming Pool Contractors, Repairers & Service Status: Active Positional Accuracy: Automatically positioned to the address	A19SE (NE)	671	-	495087 106148
136	Contemporary Trade Directory Entries Name: The Cleaning Biz Location: White House, Westergate Street, Westergate, Chichester, West Sussex, PO20 3QY Classification: Cleaning Services - Domestic Status: Inactive Positional Accuracy: Automatically positioned to the address	A7NE (SW)	709	-	493858 105181
137	Contemporary Trade Directory Entries Name: Nigel Hardy Location: Melcroft, Eastergate Lane, Eastergate, Chichester, West Sussex, PO20 3SJ Classification: Horse Boxes & Transporting Status: Inactive Positional Accuracy: Automatically positioned to the address	A14NE (E)	756	-	495224 106021
137	Contemporary Trade Directory Entries Name: Robinsons Haulage Location: Eastergate La, Eastergate, Chichester, West Sussex, PO20 3SJ Classification: Road Haulage Services Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A14NE (E)	779	-	495238 106060

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
138	Contemporary Trade Directory Entries Name: Halo Location: Fordingbridge Site, Barnham Road, Barnham, Bognor Regis, West Sussex, PO22 0HD Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	816	-	495173 105237
139	Contemporary Trade Directory Entries Name: Heason Technologies Group Ltd Location: Claremont Lodge, Fontwell Avenue, Eastergate, Chichester, West Sussex, PO20 3RY Classification: Machinery - Industrial & Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A19NW (NE)	819	-	494905 106547
140	Contemporary Trade Directory Entries Name: Austin Rover Services Location: Eastergate La, Eastergate, Chichester, West Sussex, PO20 3SJ Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14NE (E)	854	-	495320 106040
141	Contemporary Trade Directory Entries Name: Dimensions (Chichester) Ltd Location: Westergate St, Westergate, Chichester, West Sussex, PO20 3QX Classification: Office Furniture & Equipment Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A7SE (SW)	859	-	493850 105010
141	Contemporary Trade Directory Entries Name: Emberleaf Workshops Location: Martins, Westergate Street, Westergate, Chichester, West Sussex, PO20 3QU Classification: Tool Design, Manufacturers & Makers Status: Active Positional Accuracy: Automatically positioned to the address	A7SE (SW)	899	-	493831 104975
142	Fuel Station Entries Name: Mfg Westergate Location: Nyton Road, Westergate, Chichester, West Sussex, PO20 3UN Brand: Esso Premises Type: Petrol Station Status: Open Positional Accuracy: Automatically positioned to the address	A13SW (SW)	258	-	494062 105597
143	Points of Interest - Commercial Services Name: Sussex Recovery Location: Fontwell Avenue, Eastergate, Chichester, PO20 3RU Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13SE (SE)	0	8	494421 105756
143	Points of Interest - Commercial Services Name: Scrap Yard Location: Not Supplied Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to an adjacent address or location	A13SE (E)	0	8	494430 105793
143	Points of Interest - Commercial Services Name: S R C Recycling Ltd Location: Fontwell Avenue, Eastergate, Chichester, PO20 3RU Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13SE (SE)	0	8	494421 105756
143	Points of Interest - Commercial Services Name: Scrap Yard Location: PO20 Category: Recycling Services Class Code: Scrap Metal Merchants Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	494432 105800
144	Points of Interest - Commercial Services Name: Car Wash Location: Nyton Road, Westergate, Chichester, West Sussex, PO20 3UN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (SW)	258	8	494062 105597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Points of Interest - Commercial Services Name: Mfg Westergate Location: Nyton Road, Westergate, Chichester, PO20 3UN Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SW (SW)	259	8	494062 105597
145	Points of Interest - Commercial Services Name: Tempest Environmental Services Location: 8 Highview Road, Eastergate, Chichester, PO20 3XB Category: Contract Services Class Code: Pest and Vermin Control Positional Accuracy: Positioned to address or location	A8NE (SE)	361	8	494710 105404
146	Points of Interest - Commercial Services Name: Sparkles Mobile Valeting Chichester West Sussex Location: 34 Ivy Lane, Westergate, Chichester, PO20 3RE Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A8NW (S)	616	8	494155 105152
147	Points of Interest - Commercial Services Name: L J M Transport Location: 2 St. Richards Road, Westergate, Chichester, PO20 3RD Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	627	8	493985 105202
148	Points of Interest - Commercial Services Name: Wallis Transport Ltd Location: 1 Ivy Lane, Westergate, Chichester, PO20 3RA Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A7NE (SW)	642	8	493866 105257
149	Points of Interest - Commercial Services Name: Pmc Repairs Specialists Ltd Location: 2 Fordingbridge Site, Barnham Road, Barnham, Bognor Regis, PO22 0HD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	816	8	495173 105237
149	Points of Interest - Commercial Services Name: Poling Motor Company Fordingbridge Site Location: 2 Fordingbridge Site, Barnham Road, Barnham, Bognor Regis, PO22 0HD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	816	8	495173 105237
149	Points of Interest - Commercial Services Name: Halo Location: 2 Fordingbridge Site, Barnham Road, Barnham, Bognor Regis, PO22 0HD Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	816	8	495173 105237
150	Points of Interest - Commercial Services Name: Autoaircon Location: Longreach, Eastergate Lane, Eastergate, Chichester, PO20 3SJ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A19SE (NE)	963	8	495306 106353
151	Points of Interest - Manufacturing and Production Name: Poultry House Location: PO20 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to an adjacent address or location	A13NW (NW)	81	8	494246 105983
151	Points of Interest - Manufacturing and Production Name: Poultry House Location: PO20 Category: Farming Class Code: Poultry Farming, Equipment and Supplies Positional Accuracy: Positioned to address or location	A13NW (NW)	93	8	494244 105996
152	Points of Interest - Manufacturing and Production Name: C M Pitman Location: Northfields Farm, Fontwell Avenue, Eastergate, Chichester, PO20 3RX Category: Farming Class Code: Livestock Farming Positional Accuracy: Positioned to address or location	A13NE (NE)	293	8	494537 106136

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
153	Points of Interest - Manufacturing and Production Name: Tank Location: PO20 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A12SE (W)	311	8	493961 105673
154	Points of Interest - Manufacturing and Production Name: Factory Location: PO20 Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to address or location	A7NE (SW)	592	8	493869 105319
154	Points of Interest - Manufacturing and Production Name: Factory Location: Not Supplied Category: Industrial Features Class Code: Unspecified Works Or Factories Positional Accuracy: Positioned to an adjacent address or location	A7NE (SW)	600	8	493865 105312
155	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)	635	8	494887 106337
156	Points of Interest - Manufacturing and Production Name: Solar Panels Location: PO20 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A19SW (NE)	656	8	494722 106454
157	Points of Interest - Manufacturing and Production Name: Fordingbridge Industrial Site Location: PO20 Category: Industrial Features Class Code: Business Parks and Industrial Estates Positional Accuracy: Positioned to an adjacent address or location	A9NE (SE)	729	8	495126 105324
158	Points of Interest - Manufacturing and Production Name: Tanks Location: PO22 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A9SE (SE)	929	8	495133 105021
159	Points of Interest - Manufacturing and Production Name: Solar Panel Location: PO20 Category: Industrial Features Class Code: Energy Production Positional Accuracy: Positioned to an adjacent address or location	A15SW (E)	971	8	495477 105685
160	Points of Interest - Manufacturing and Production Name: Tank Location: PO20 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A7SW (SW)	992	8	493624 105003
161	Points of Interest - Public Infrastructure Name: Esso Garage Location: Nyton Road, Westergate, Chichester, PO20 3UN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	255	8	494064 105600
161	Points of Interest - Public Infrastructure Name: Esso Location: Nyton Road, Westergate, Chichester, PO20 3UN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	258	8	494062 105597
161	Points of Interest - Public Infrastructure Name: M R H Petroleum GB Ltd Location: Nyton Road, Westergate, Chichester, West Sussex, PO20 3UN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	258	8	494062 105597

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
161	Points of Interest - Public Infrastructure Name: MRH Westergate Spar Location: Nyton Road, Westergate, Chichester, PO20 3UN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	258	8	494062 105597
161	Points of Interest - Public Infrastructure Name: M R H Service Station Location: Nyton Road, Westergate, Chichester, PO20 3UN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	259	8	494062 105597
161	Points of Interest - Public Infrastructure Name: Esso Location: Nyton Road, Westergate, Chichester, PO20 3UN Category: Road And Rail Class Code: Petrol and Fuel Stations Positional Accuracy: Positioned to address or location	A13SW (SW)	261	8	494056 105601
162	Points of Interest - Public Infrastructure Name: Slurry Bed Location: PO20 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	615	8	494392 105078
163	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	A8NE (S)	283	8	494514 105405
163	Points of Interest - Recreational and Environmental Name: Playground Location: Highview Road, PO20 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8NE (S)	283	8	494523 105406
164	Points of Interest - Recreational and Environmental Name: Playground Location: Lime Avenue, PO20 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (SW)	346	8	494066 105478
165	Points of Interest - Recreational and Environmental Name: Playground Location: Holmdale, PO20 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A19SW (NE)	625	8	494859 106345
166	Points of Interest - Recreational and Environmental Name: Playground Location: Olivers Meadow, PO20 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A7NW (SW)	796	8	493695 105203
166	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	A7NW (SW)	802	8	493685 105204

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
167	Nitrate Vulnerable Zones Name: Aldingbourne Rife Nvz Description: Surface Water Source: Environment Agency, Head Office	A13SE (NW)	0	4	494384 105798
168	Nitrate Vulnerable Zones Name: Sussex Chalk Description: Groundwater Source: Environment Agency, Head Office	A18SE (N)	353	4	494559 106229

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Arun District Council - Environmental Health Department Chichester District Council - Environmental Health Department Environment Agency - Head Office	December 2019 July 2013 June 2020	Annual Rolling Update Annual Rolling Update Annually
Discharge Consents Environment Agency - Southern Region	July 2020	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	July 2020 July 2020	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Arun District Council - Environmental Health Department Chichester District Council - Environmental Health Department	December 2014 October 2014	Variable Variable
Local Authority Pollution Prevention and Controls Arun District Council - Environmental Health Department Chichester District Council - Environmental Health Department	December 2014 October 2014	Not Applicable Not Applicable
Local Authority Pollution Prevention and Control Enforcements Arun District Council - Environmental Health Department Chichester District Council - Environmental Health Department	December 2014 October 2014	Variable Variable
Nearest Surface Water Feature Ordnance Survey	August 2020	
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 - Solent and South Downs Environment Agency - Southern Region - Sussex Area	July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	July 2020	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	October 2017	Quarterly
Groundwater Vulnerability Map Environment Agency - Head Office	June 2018	As notified
Groundwater Vulnerability - Soluble Rock Risk Environment Agency - Head Office	June 2018	As notified

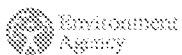
Agency & Hydrological	Version	Update Cycle
Bedrock Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Superficial Aquifer Designations Environment Agency - Head Office	January 2018	Annually
Source Protection Zones Environment Agency - Head Office	October 2019	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	September 2020	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	September 2020	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	September 2020	Quarterly
Flood Defences Environment Agency - Head Office	September 2020	Quarterly
OS Water Network Lines Ordnance Survey	June 2020	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	October 2019	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 - Solent and South Downs Environment Agency - Southern Region - Sussex Area	July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly
Licensed Waste Management Facilities (Locations) Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	July 2020 July 2020 July 2020	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Arun District Council - Technical Support Unit Chichester District Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Arun District Council - Technical Support Unit Chichester District Council - Environmental Health Department West Sussex County Council - Environment & Development	May 2000 May 2000 May 2000	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 - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Transfer Sites Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2003 March 2003	Not Applicable Not Applicable
Registered Waste Treatment or Disposal Sites Environment Agency - Southern Region - Solent and South Downs Environment Agency - Southern Region - Sussex Area	March 2003 March 2003	Not Applicable Not Applicable
Hazardous Substances	Version	Update Cycle
Control of Major Accident Hazards Sites (COMAH) Health and Safety Executive	April 2018	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Arun District Council - Technical Support Unit Chichester District Council - Planning Department West Sussex County Council - Environment & Development	February 2016 February 2016 October 2006	Variable Variable Annual Rolling Update
Planning Hazardous Substance Consents Arun District Council - Technical Support Unit Chichester District Council - Planning Department West Sussex County Council - Environment & Development	February 2016 February 2016 October 2006	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	June 2020	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	April 2020	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	January 2019	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	Annually
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	Annually
Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	July 2020	Quarterly
Fuel Station Entries Catalist Ltd - Experian	September 2020	Quarterly
Gas Pipelines National Grid	September 2020	
Points of Interest - Commercial Services PointX	September 2020	Quarterly
Points of Interest - Education and Health PointX	September 2020	Quarterly
Points of Interest - Manufacturing and Production PointX	September 2020	Quarterly
Points of Interest - Public Infrastructure PointX	September 2020	Quarterly
Points of Interest - Recreational and Environmental PointX	September 2020	Quarterly
Underground Electrical Cables National Grid	August 2020	

Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	April 2020	Bi-Annually
Areas of Adopted Green Belt Arun District Council - Technical Support Unit Chichester District Council South Downs National Park	June 2020 June 2020 June 2020	As notified As notified As notified
Areas of Unadopted Green Belt Arun District Council - Technical Support Unit Chichester District Council South Downs National Park	June 2020 June 2020 June 2020	As notified As notified As notified
Areas of Outstanding Natural Beauty Natural England	June 2019	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	April 2020	Bi-Annually
Marine Nature Reserves Natural England	July 2019	Bi-Annually
National Nature Reserves Natural England	July 2019	Bi-Annually
National Parks Natural England	April 2017	Bi-Annually
Nitrate Sensitive Areas Natural England	April 2016	Not Applicable
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	August 2020	Bi-Annually
Sites of Special Scientific Interest Natural England	May 2020	Bi-Annually
Special Areas of Conservation Natural England	July 2020	Bi-Annually
Special Protection Areas Natural England	September 2020	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	
Stantec UK Ltd	

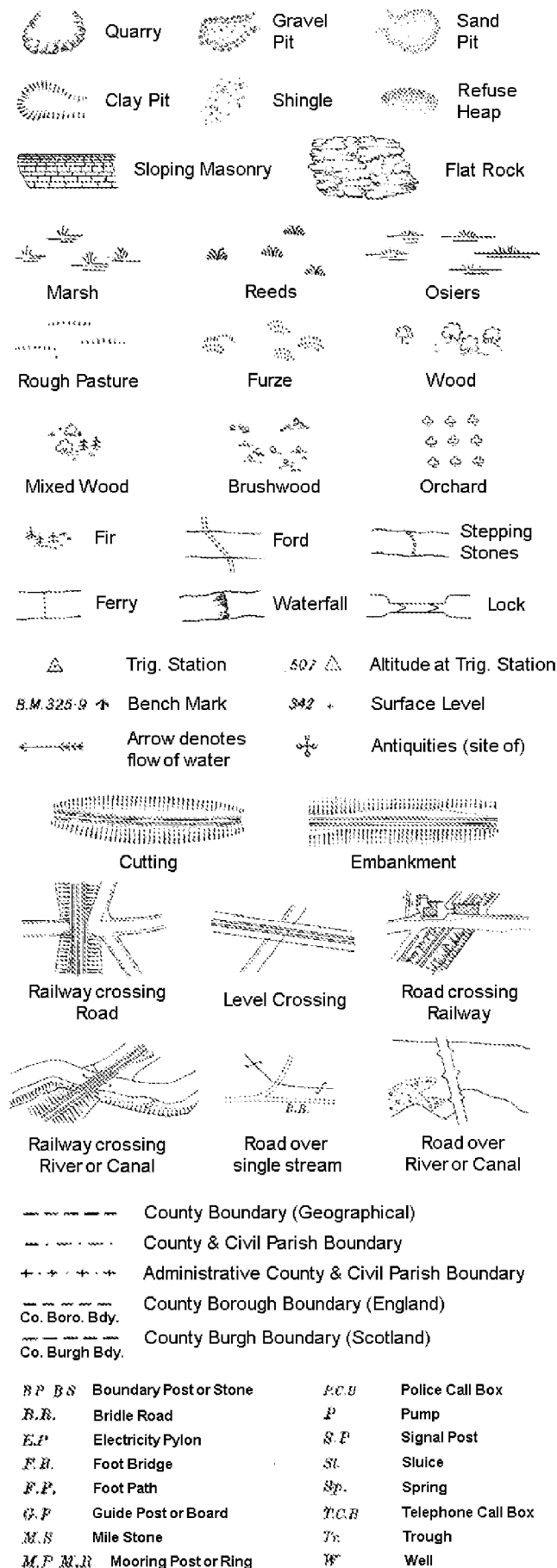
Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Environmental Science Centre, Keyworth, Nottingham, Nottinghamshire, NG12 5GG	
2	Environment Agency - National Customer Contact Centre (NCCC) PO Box 544, Templeborough, Rotherham, S60 1BY	
3	Arun District Council - Environmental Health Department Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	Telephone: 01903 737696 Fax: 01903 723936 Email: Environment@arun.gov.uk Website: www.arun.gov.uk
4	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	
5	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	
6	Arun District Council - Technical Support Unit Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	Telephone: 01903 737500 Fax: 01903 730442 Website: www.arun.gov.uk
7	West Sussex County Council - Environment & Development County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	Telephone: 01243 777100 Website: www.westsussex.gov.uk
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	
-	Public Health England - Radon Survey, Centre for Radiation, Chemical and Environmental Hazards Chilton, Didcot, Oxfordshire, OX11 0RQ	
-	Landmark Information Group Limited Imperium, Imperial Way, Reading, Berkshire, RG2 0TD	

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

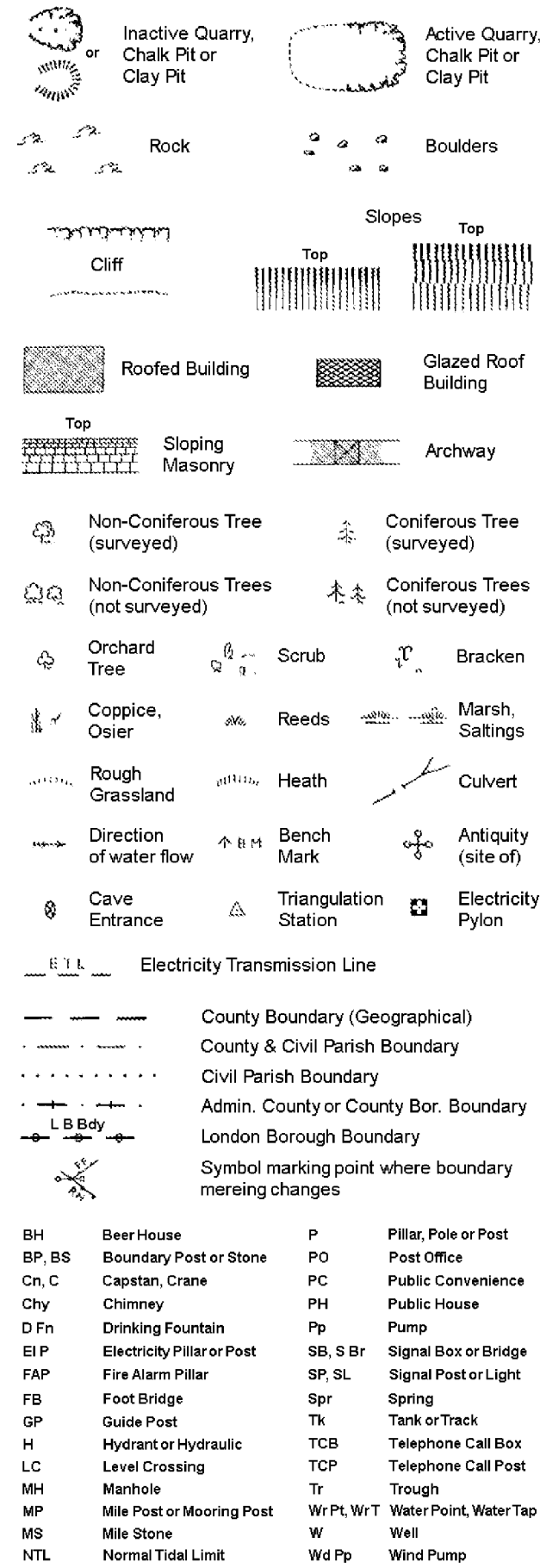
APPENDIX B: HISTORICAL MAPS

Historical Mapping Legends

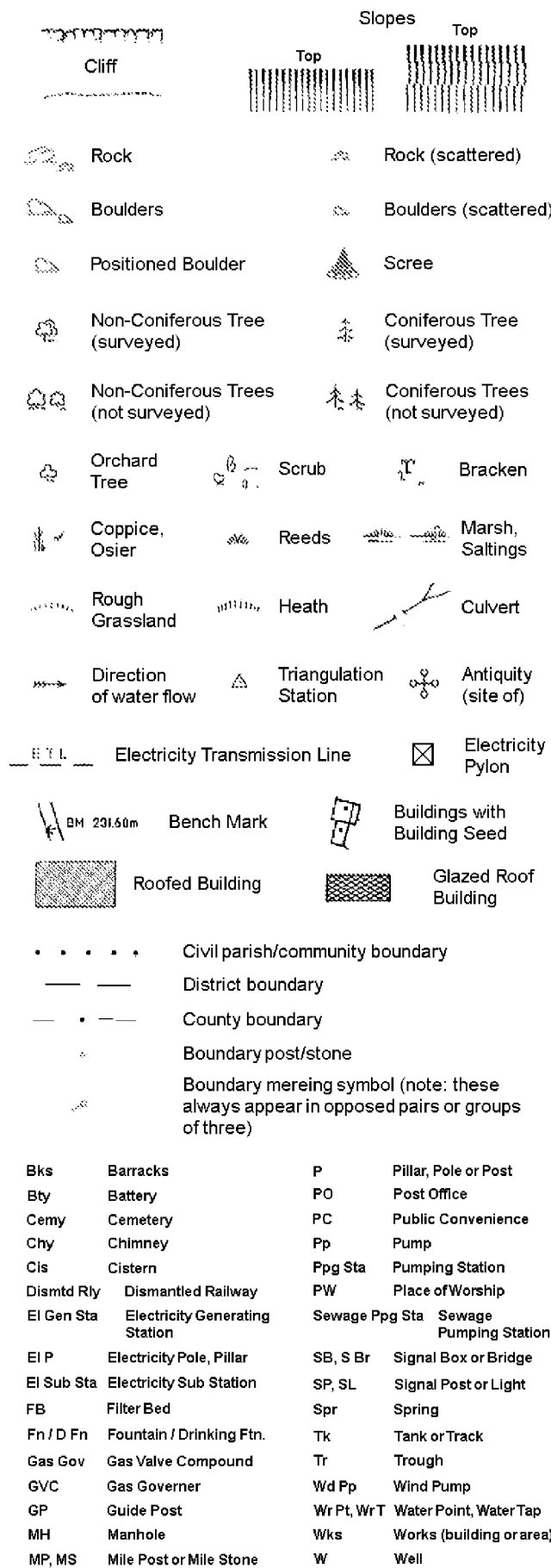
Ordnance Survey County Series and Ordnance Survey Plan 1:2,500



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



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

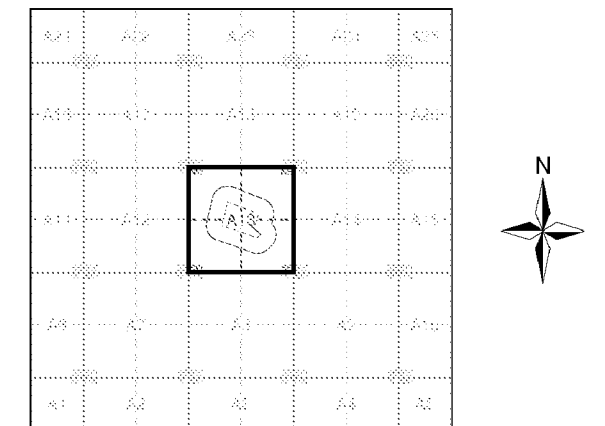


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Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Sussex	1:2,500	1876	2
Sussex	1:2,500	1897	3
Sussex	1:2,500	1912	4
Sussex	1:2,500	1937	5
Ordnance Survey Plan	1:2,500	1974	6
Additional SIMs	1:2,500	1979	7
Additional SIMs	1:2,500	1984	8
Large-Scale National Grid Data	1:2,500	1994	9
Historical Aerial Photography	1:2,500	1999	10

Historical Map - Segment A13



Order Details

Order Number: 266274390_1_1
Customer Ref: 3765
National Grid Reference: 494380, 105800
Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 100

Site Details

S R C Recycling Ltd, Fontwell Avenue, Eastergate,
CHICHESTER, PO20 3RU

Landmark
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Tel: 0844 844 9852
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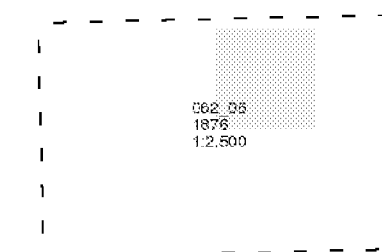
Sussex

Published 1876

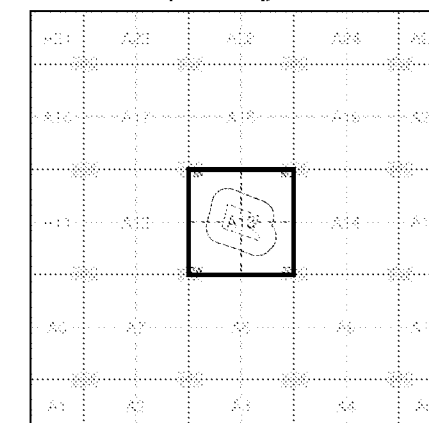
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

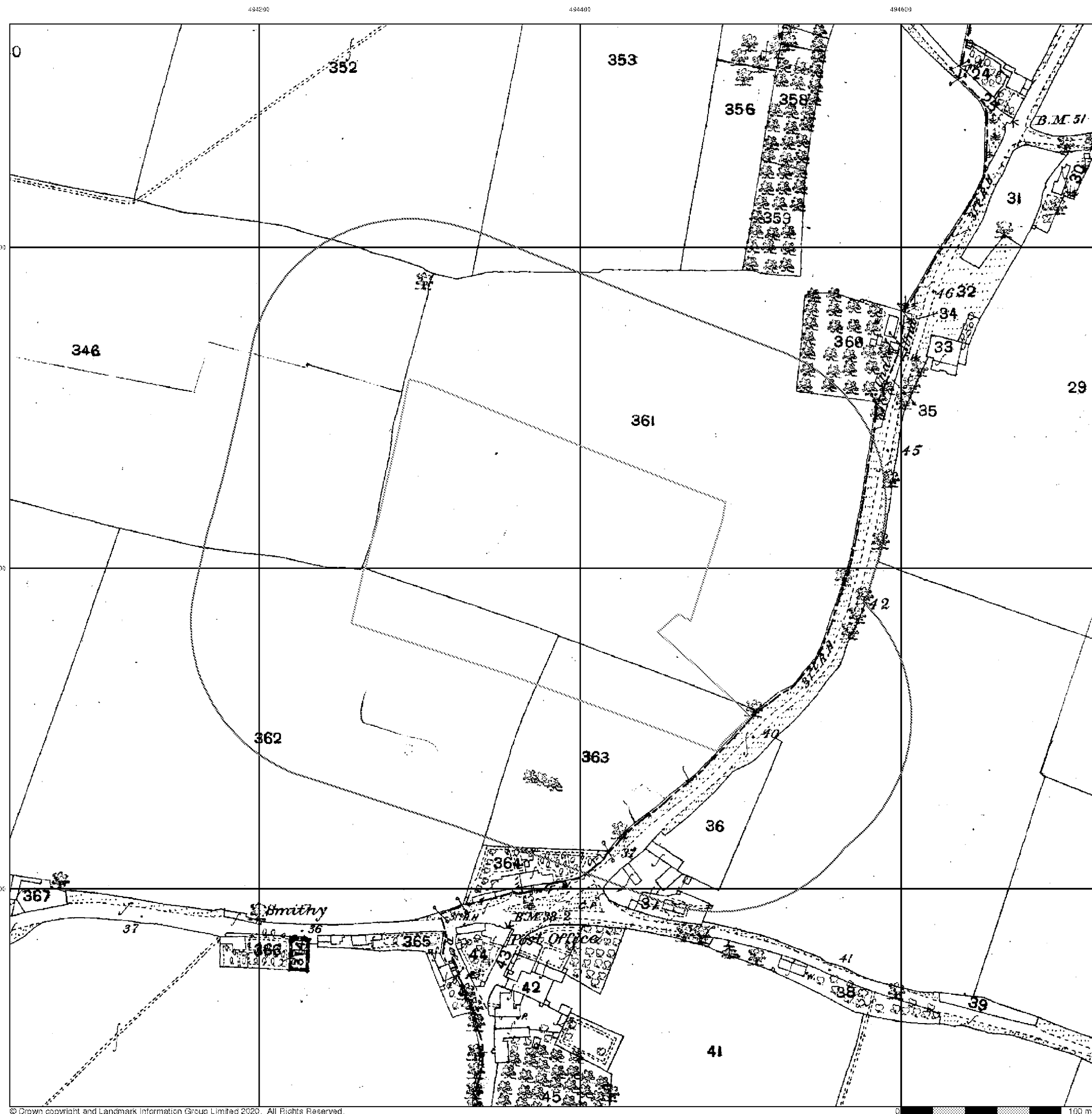
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Customer Ref: 3765
National Grid Reference: 494380, 105800
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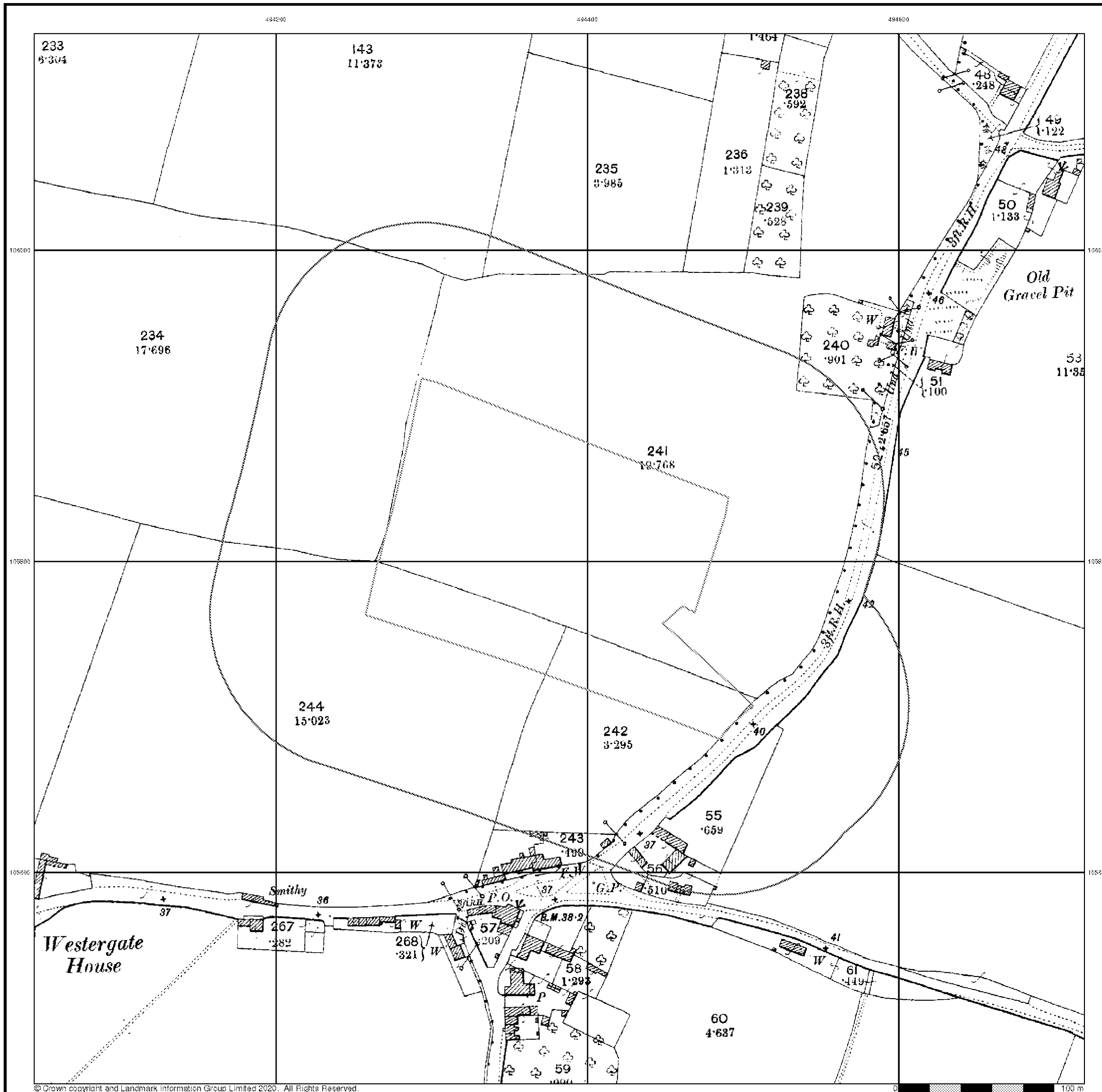
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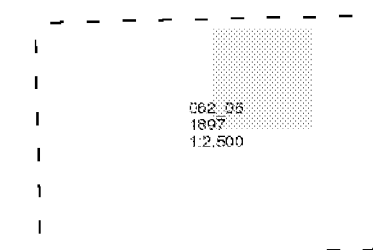
Sussex

Published 1897

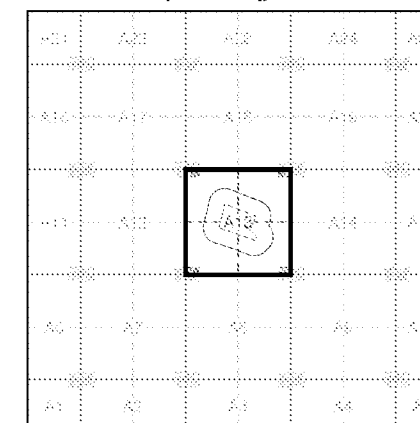
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

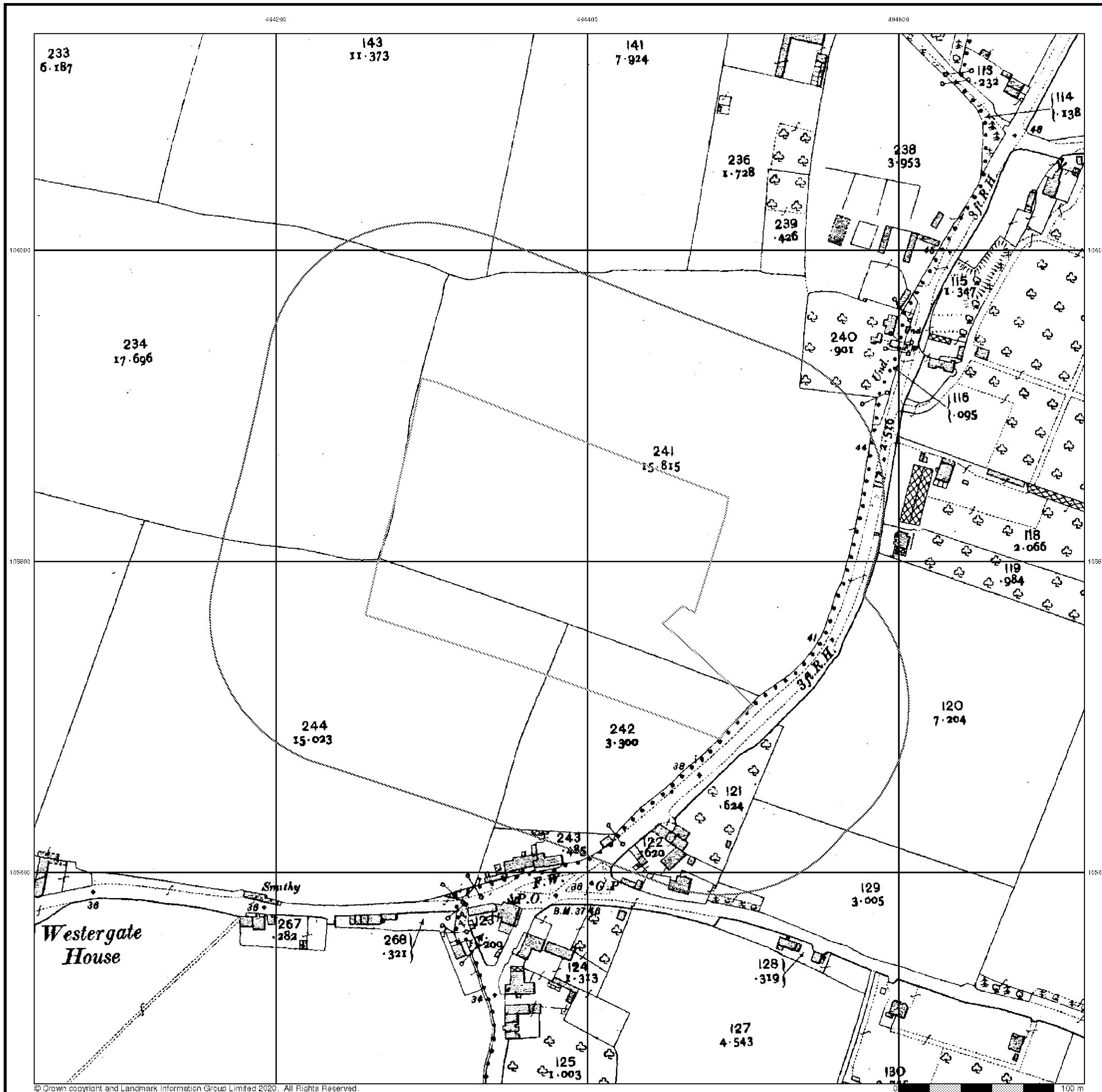
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Customer Ref: 3765
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Search Buffer (m): 100

Site Details

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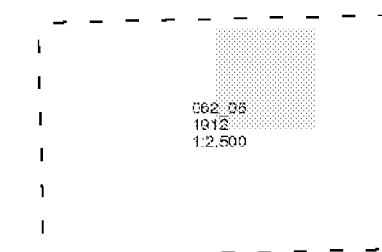
Sussex

Published 1912

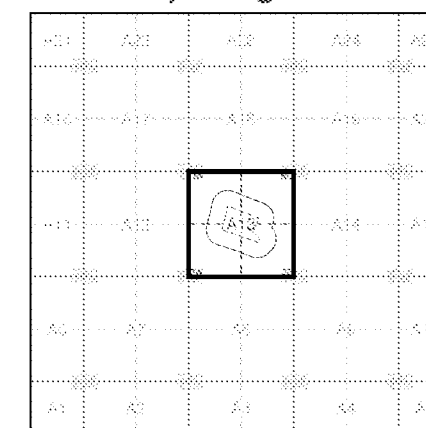
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 266274390_1_1
Customer Ref: 3765
National Grid Reference: 494380, 105800
Slice: A
Site Area (Ha): 3.28
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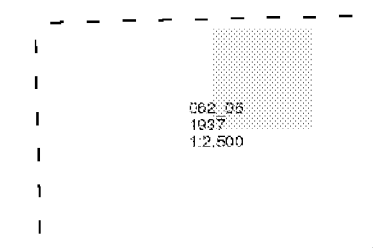
Sussex

Published 1937

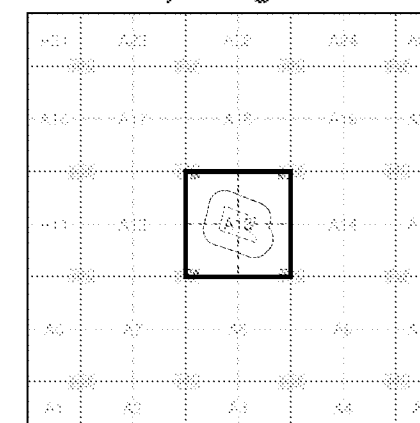
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Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

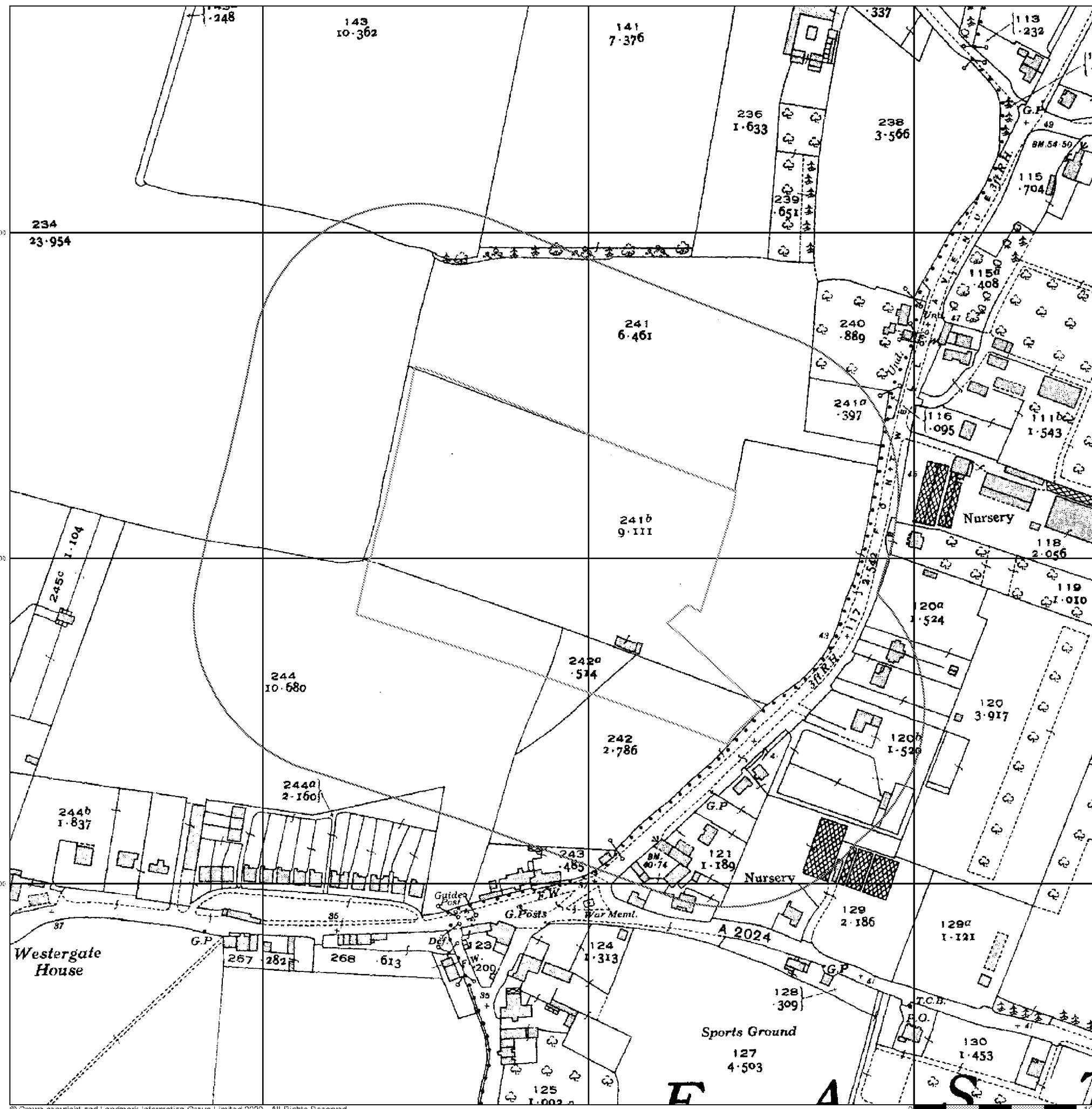
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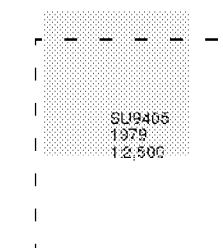
Additional SIMs

Published 1979

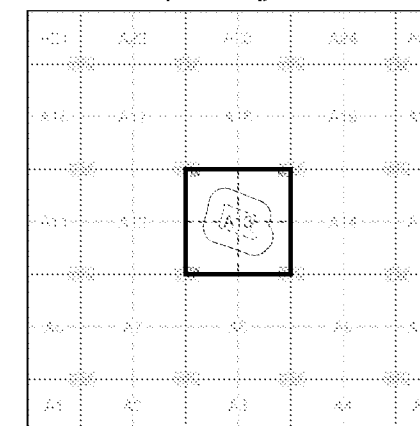
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

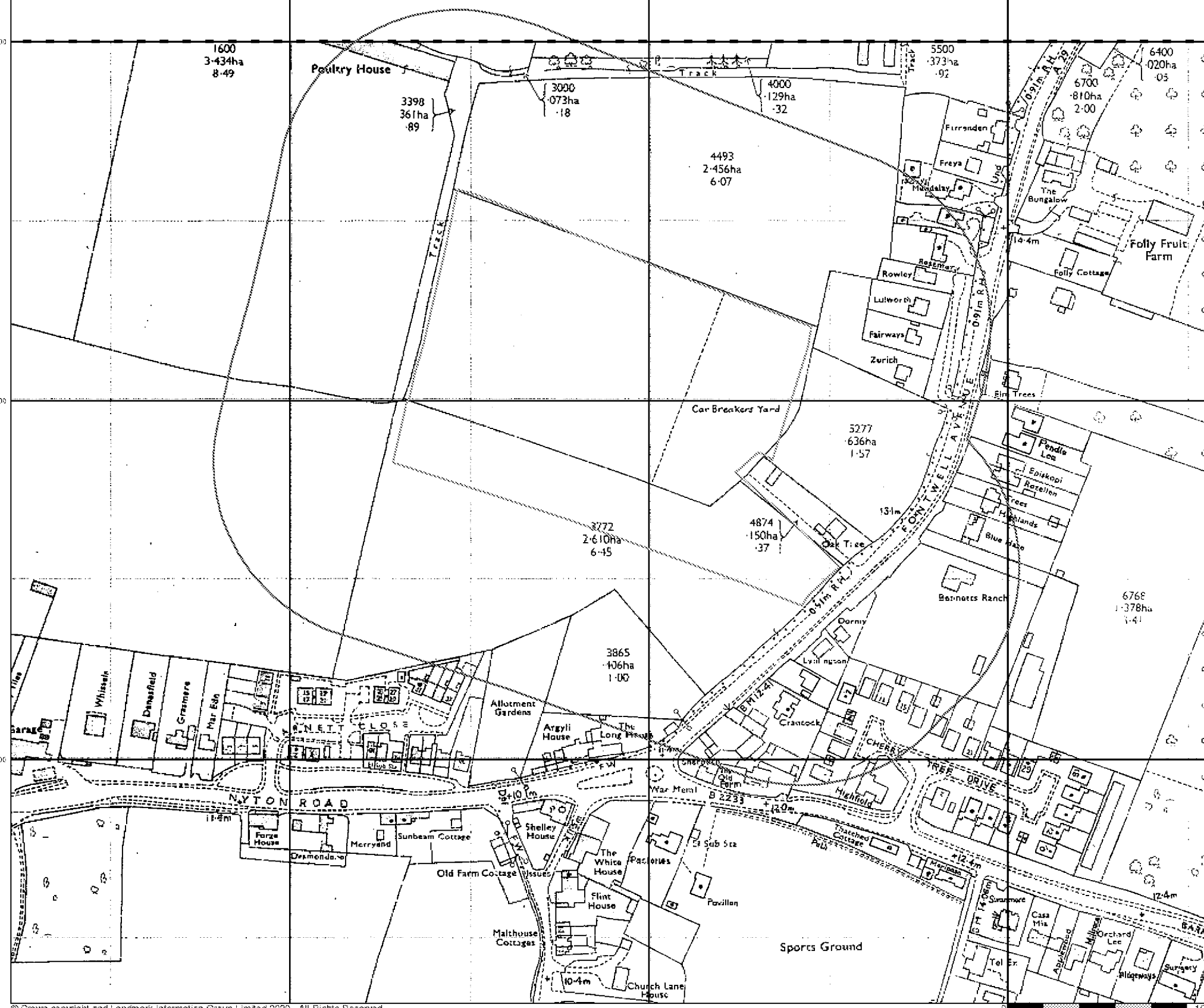
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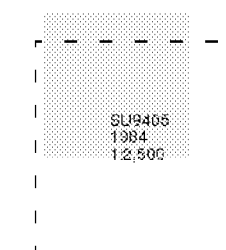
Additional SIMs

Published 1984

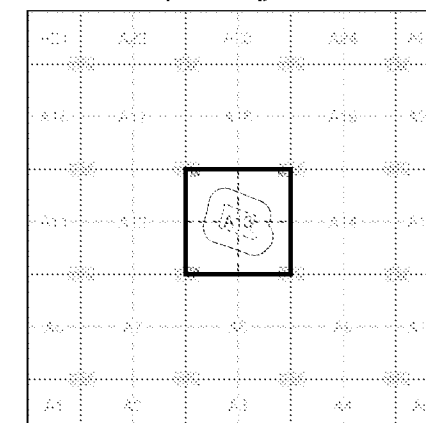
Source map scale - 1:2,500

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

Map Name(s) and Date(s)



Historical Map - Segment A13



Order Details

Order Number: 266274390_1_1
Customer Ref: 3765
National Grid Reference: 494380, 105800
Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 100

Site Details

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Large-Scale National Grid Data

Published 1994

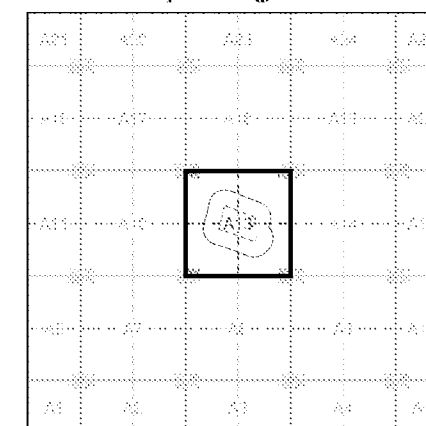
Source map scale - 1:2,500

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

Map Name(s) and Date(s)

SU9406	1994	1:2,500
SU9405	1994	1:2,500

Historical Map - Segment A13



Order Details

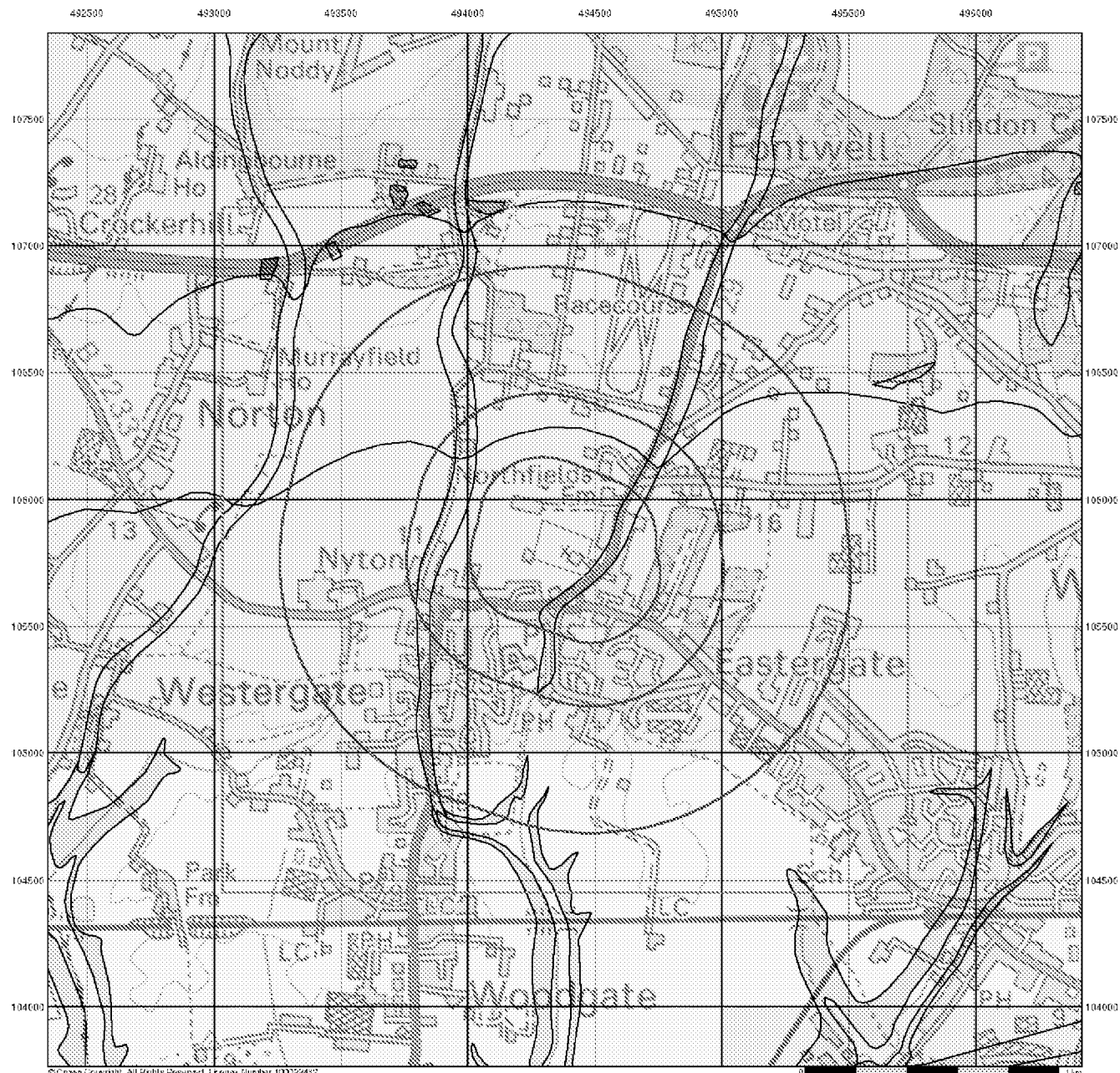
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Customer Ref: 3765
National Grid Reference: 494380, 105800
Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 100

Site Details

S R C Recycling Ltd, Fontwell Avenue, Eastergate,
CHICHESTER, PO20 3RU

Landmark
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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

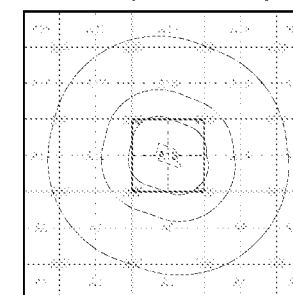
Superficial Aquifers

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

Unproductive Aquifer

Soluble Rock

Site Sensitivity Context Map - Slice A



Order Details

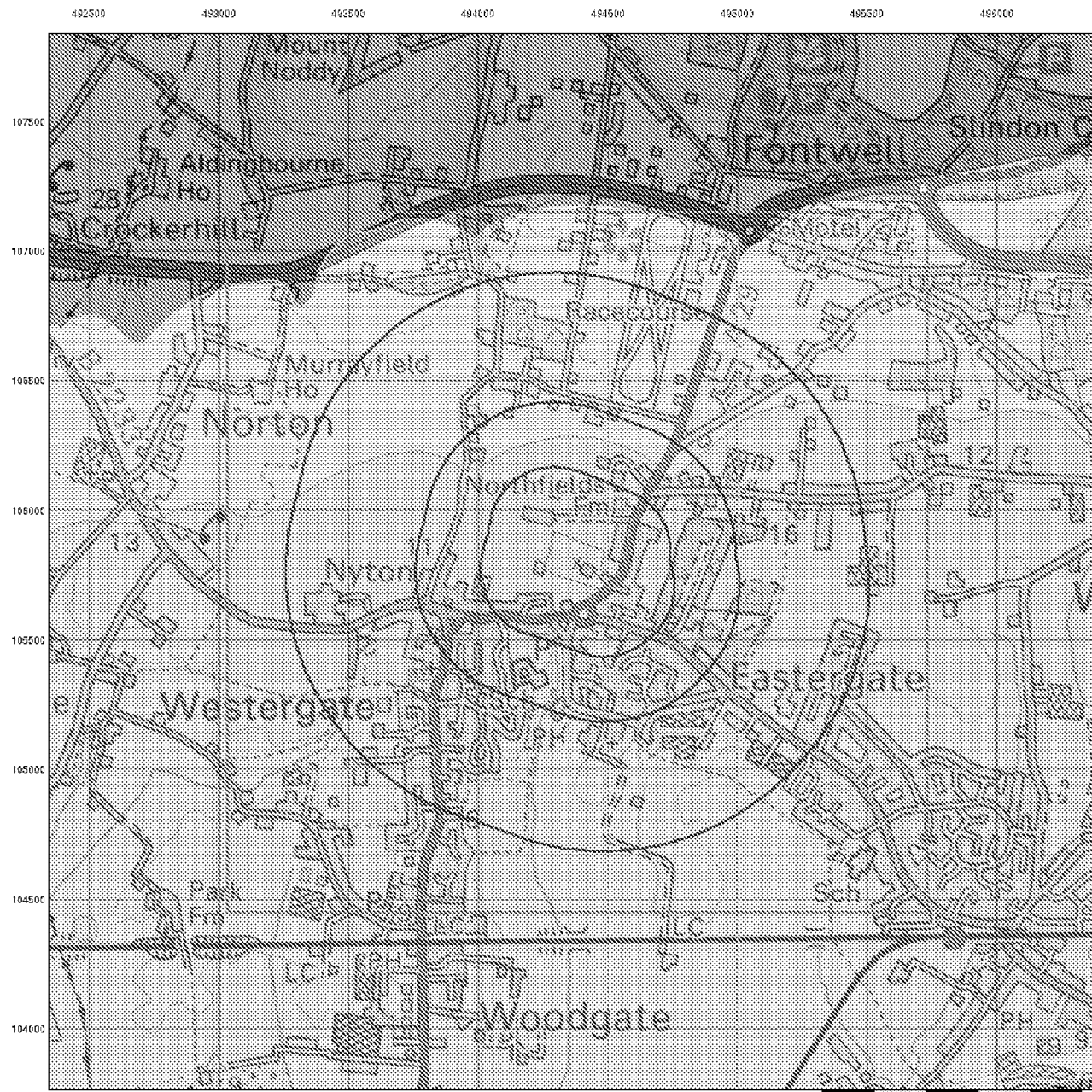
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Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 1000

Site Details

S R C Recycling Ltd, Fontwell Avenue, Eastergate, CHICHESTER, PO20 3RU

Landmark
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Bedrock Aquifer Designation

General

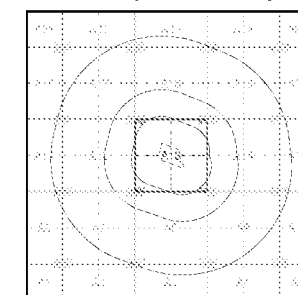
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

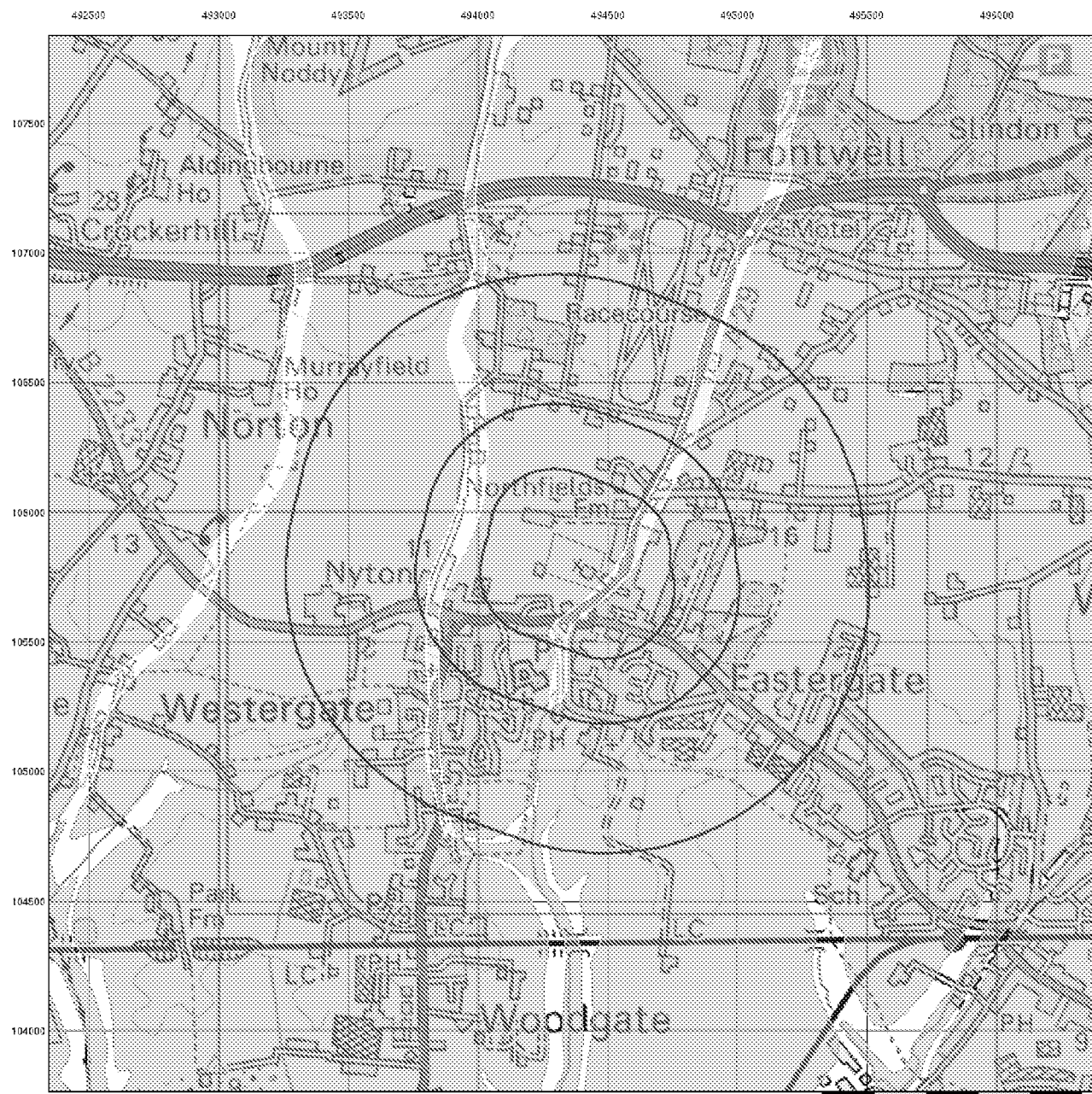
Order Number: 266274390_1_1
Customer Ref: 3765
National Grid Reference: 494380, 105800
Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 1000

Site Details

S R C Recycling Ltd, Fontwell Avenue, Eastergate, CHICHESTER, PO20 3RU

Landmark
INFORMATION GROUP

Tel: 0544 244 0032
Fax: 0544 544 5551
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Superficial Aquifer Designation

General

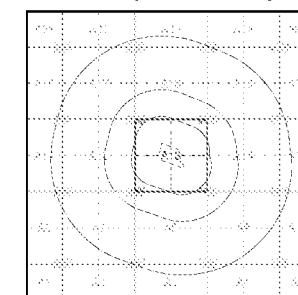
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

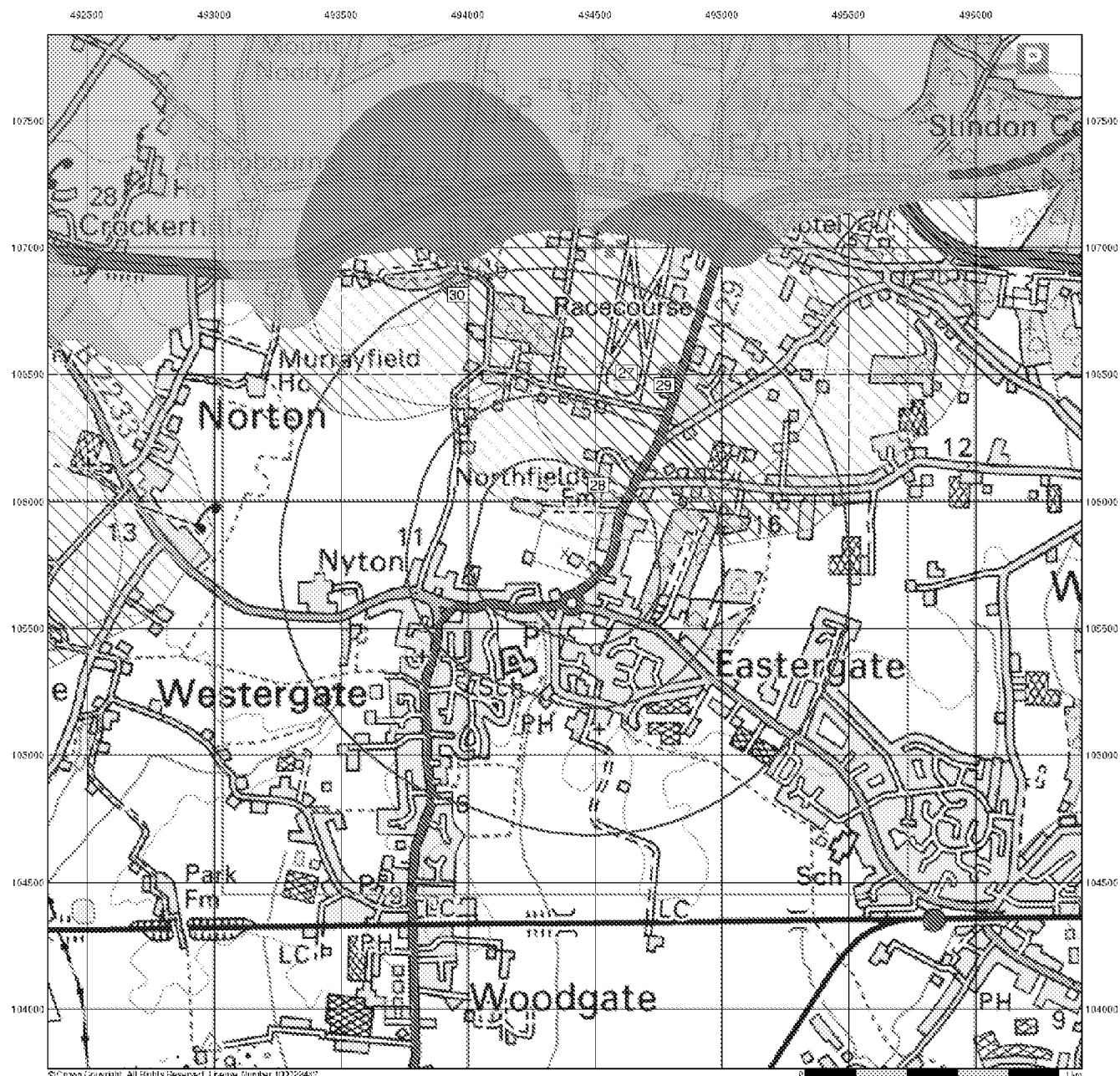
Order Number: 266274390_1_1
Customer Ref: 3765
National Grid Reference: 494380, 105800
Slice: A
Site Area (Ha): 3.28
Search Buffer (m): 1000

Site Details

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Source Protection Zones

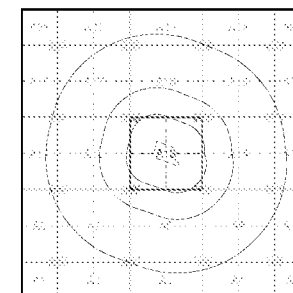
General

- 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

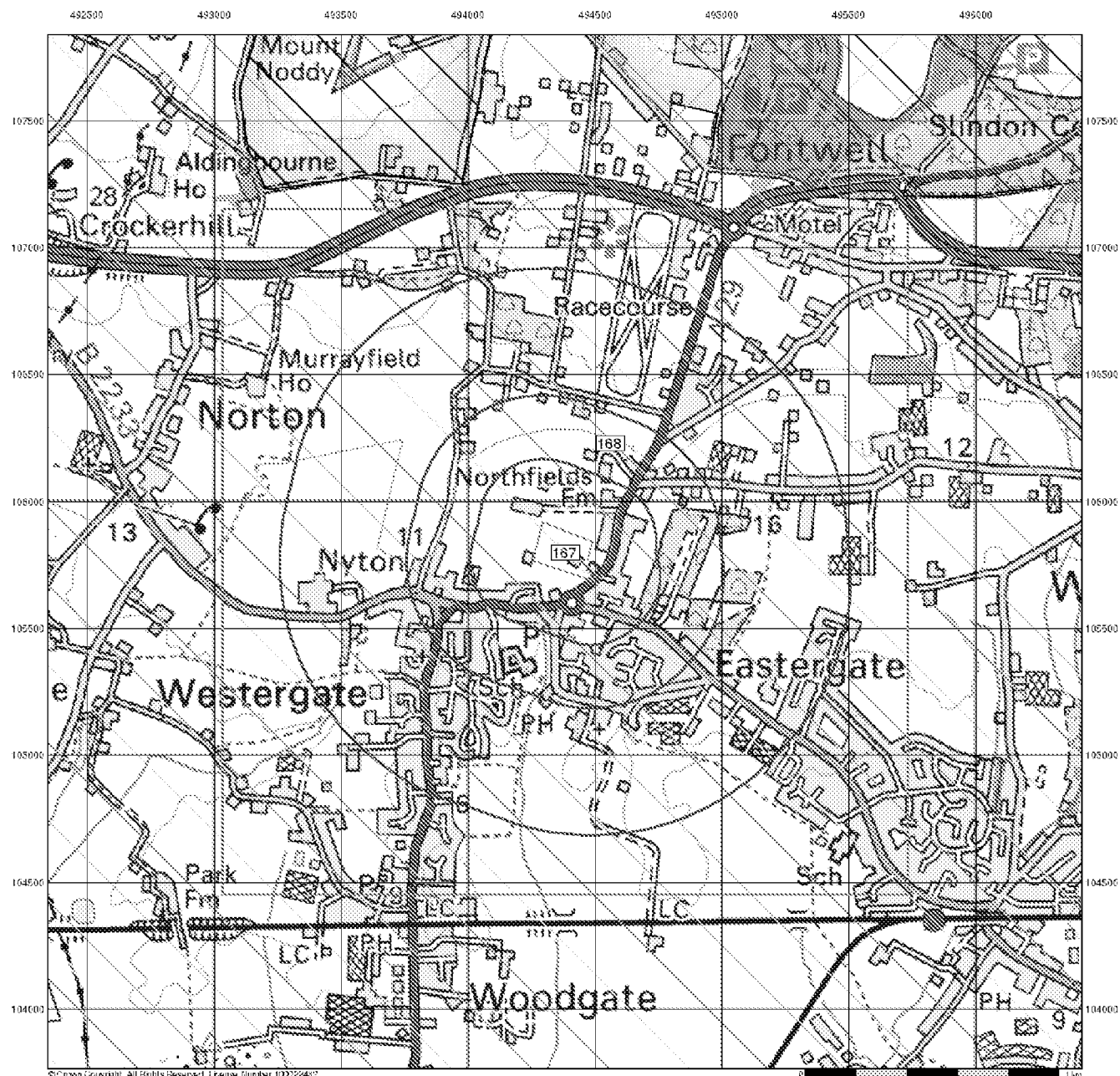
Order Number: 266274390_1_1
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National Grid Reference: 494380, 105800
Slice: A
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Sensitive Land Uses

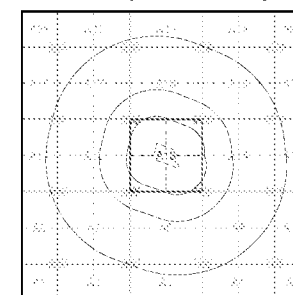
General

- 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: 266274390_1_1
 Customer Ref: 3765
 National Grid Reference: 494380, 105800
 Slice: A
 Site Area (Ha): 3.28
 Search Buffer (m): 1000

Site Details

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APPENDIX C: HISTORICAL BOREHOLE LOGS

(For Institute use only)
GEOLOGICAL
CLASSIFICATION

NATURE OF STRATA

If measurements start below
ground surface, state how far.

THICKNESS

DEPTH

Feet Inches Metres Feet Inches Metre

D. 7 ft (Loomha Dep. 11 ft)

Top soil

0.4

compact brown silty fine sand
becoming gravelly near bottom

1.1

1.5

Firm becoming soft/firm with
depth light brown/grey

calcareous clay and silt

(chalk putty) containing rounded
fragments and scattered flint

1.8

3.3

light brown slightly silty
fine sand

3.2

6.5

Ditto containing emp flint gravel

.5

7.0

Stiff grey silty clay

.6

25

7.6

Data Bank

? harden clay

6/27/67

**APPENDIX D:
NOTES ON
LIMITATIONS**

LUSTRE CONSULTING, ENVIRONMENTAL AND GEOTECHNICAL CONSULTANCY SERVICES NOTES ON LIMITATIONS

General

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

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

Lustre Consulting accepts no responsibility or liability for:

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

Phase I Environmental Risk Assessments, Desk Studies and Site Audits

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

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

Phase II Site Investigations

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

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

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

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



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