



Gladman Developments Limited

Land west of Arundel Road, Angmering

Preliminary risk assessment

Project no. 301954 R01 (00)

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RSK GENERAL NOTES

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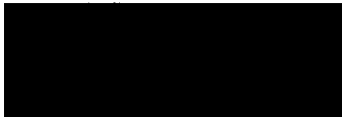
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1 INTRODUCTION

1.1 Background

RSK Environment Limited (RSK) has been commissioned by Gladman Developments Ltd to carry out a preliminary risk assessment of the land west of Arundel Road, Angmering, West Sussex. The report was undertaken in support of a future planning application to redevelop the land for residential purposes. This report is subject to the RSK service constraints given in Appendix A.

1.2 Aim

The aim of the work is to complete a preliminary risk assessment of the proposed site, to support an outline planning application for a change in land use. The preliminary risk assessment will obtain information regarding ground conditions, from which risks to end-users, the environment and structures can be assessed, with mitigation measures outlined if necessary.

1.3 Scope

The project was carried out to an agreed brief as set out in RSK's proposal (tender ref. 301954T01(00)/GS, dated 29 August 2017). The scope of works for the assessment includes a review of geological, hydrogeological and hydrological information, a commercially available environmental database, historical plans; and a site walkover – this information is used to develop an initial conceptual site model (CSM) to consider any potentially complete pollutant linkages. This report has been produced in accordance with contaminated land legislation and policies, a summary of which is provided in Appendix B.

1.4 Existing reports

RSK is not aware of any previous reports pertaining to the site in relation to a previous planning application.

1.5 Limitations

The comments given in this report and the opinions expressed are based on information gathered during the site walkover and through relevant searches. However, there may be conditions pertaining to the site that have not been disclosed and therefore could not be taken into account.

The identification of ecology including invasive species is out with the scope of this investigation therefore comments with regards to ecology have been omitted from this report.

2 THE SITE

2.1 Site location and description

The site is located to the west of Arundel Road in Angmering, West Sussex at approximate National Grid reference 506542, 105327 as shown in Figure 1. The red line boundary and current site setting are shown in Figure 2.

The area around the site is a mixture of recreational, agricultural, industrial, residential and wooded land as detailed in Table 1.

Table 1: Site setting

To the north:	Non-coniferous wooded area containing a surface watercourse flowing south-west with overgrown scrubland and New Place Farm beyond.
To the north-east	A few residential properties are located along Arundel Road.
To the east:	An area of overgrown scrubland is present directly to the east with Arundel Rd present beyond running in a north-south direction. Agricultural and wooded land lie beyond Arundel Rd with Acorns Campsite within the wooded area.
To the south:	Recreational ground associated with Angmering Sports and Social Club is present directly to the south. Residential properties are present beyond the sites southern boundary.
To the south-east	Residential properties fronting Arundel Road.
To the west:	Agricultural land with a public footpath running adjacent to the site boundary.

The site covers an area of approximately 9 Ha. It slopes gradually down towards the west with an elevation of approximately 22 m above Ordnance Datum (AOD) in the north-east and 12 m AOD in the north-west.

Hedgerows and mature trees are present along the southern, western and northern boundaries of the site.

2.2 Proposed development

At the time of reporting, RSK are aware that the site is being considered for residential redevelopment (in the region of 205 houses), with associated infrastructure and landscaping.

3 ENVIRONMENTAL SETTING

3.1 Site walkover

The site was visited on 14 September 2017 to undertake a site walkover. Photographs, the site walkover checklist and the site feature plan are provided in Appendix C.

The south-east of the site comprises a mixture of land uses, including a caravan, coach and minibus storage area (see photograph 2 in Appendix C), printing facilities (Va Signs and The Design Studio), auto repair garages (VW Spares, Angmering Auto Services and Parris Repairs Service) and a door, window and conservatory manufacturing and installation business (Horizon Windows). Some of the buildings are in a state of disrepair with the majority of the buildings having roofs which are considered likely to comprise asbestos containing materials (ACM), illustrated in photograph 7 in Appendix C.

Oil and fuel storage tanks are present associated with the auto repair garages. The tanks appear to be unbunded and evidence of some oil spillage is present within their immediate vicinity. Containers with unknown contents are situated near the stored caravans (see photograph 8 in Appendix C). To the immediate north of this area there is a residential property called New Place Bungalow (see photographs 11 and 12 in Appendix C) with a small grassland area to the south-west which appears to be used for camping.

The north of the site comprises grassland and with scrubland and some evidence of past industrial land use in the north-east including, a disused building, loose asphalt surfacing, plastic containers containing red diesel and old machinery (see photograph 15 in Appendix C). The remaining area of the site in the south-west comprises an agricultural field. There was no obvious evidence encountered during the reconnaissance of an infilled pit / quarry as possibly shown by the 1974 Historical Map (see section 3.2).

Vehicular access can be gained from Arundel Road located along the eastern boundary directly to the scrubland and the industrial area in the west of the site.

Potentially significant ground contamination and geotechnical issues were identified during our site walkover survey, which are as follows:

- potential presence of ACM in the construction of on-site buildings;
- loose asphalt surface in the north-east;
- red diesel in plastic containers in the north-east;
- fuel storage tanks with no bund wall in the south-east;
- unknown storage tanks / gas cylinders in the south-east;

- fuel and oil storage and spillage in the south-east;
- discoloured, hardstanding cracked ground outside a car garage in the east with a fuel smell;
- containers with unknown contents; and
- a large waste skip in the east and other smaller areas of uncontained waste.

3.2 History of site and surrounding area

The history of the land-use and development of the site and surrounding area has been assessed using on the following sources:

- Historical maps within the environmental database (Envirocheck report, September 2017) from 1876 to 2017;
- An internet search; and
- Aerial photography.

Copies of OS and County Series maps are included in the environmental database report in Appendix E. Reference to historical maps provides invaluable information regarding the land use history of the site, but historical evidence may be incomplete for the period pre-dating the first edition and between successive maps.

The development history of the site and surrounding area from the above sources is detailed in Table 2 and summarised below.

Table 2: Summary of historical development

Date	Land use / features on site	Land use / features in vicinity of site (of relevance to the assessment)
1876	• The site boundary comprises the majority of three adjacent fields with no areas of development. • Trees existed along field boundaries.	• Open fields exist to the west and to the south. • Trees are located along most field boundaries and roads surrounding the site. • A road runs adjacent to the eastern boundary (Arundel Road). • Wooded areas and rough grasslands are to the north with Newplace Farm beyond. • Wooded area to the east with an open field below to the south. • A public footpath to adjacent to the western site boundary. • A surface watercourse is located roughly parallel to the northern boundary. • A pond is located to the north-west of the site boundary.

Date	Land use / features on site	Land use / features in vicinity of site (of relevance to the assessment)
1879	No significant change.	No significant change.
1897	No trees recorded along field boundaries	- The southern section of the wooded area to the east appears to consist more of rough grassland. - The surface watercourse and the pond connect. - Some development along Arundel Road to the north of the site.
1912	The site consists of two fields.	- The area to the east appears to return to wooded conditions. - The rough grassland in the north now appears to be an open field - Several sluices exist along the surface watercourse.
1937	No significant change.	- The open field to the north is now shown as rough grassland. - Residential development has occurred south of the site off Arundel Road.
1971	- Two commercial plant nurseries are present on site. These are Wilmington Nursery (at the north-east corner of the site) and the much larger New Place Nursery (at the south-east of the site, covering the area which currently comprises the commercial and light industrial area). - The Bungalow is present in the north-east. - An area of coniferous trees exists in the north-west of the site.	- New Place Farm becomes further developed. - Significant residential development has occurred to the south and south-east of site. - A small development has occurred in the wooded area to the east of site. - A large glazed roof building as part of Wilmington Nursery is present immediately adjacent to the north-east of the site.
1974-1975	- Wilmington Nursery is now labelled as Seven Acres Nursery, and the glazed roofed buildings present on site are no longer shown (although buildings remain in this area). - A circular feature is present in the north east of the site to the east of Seven Acres Nursery, with the letters SC written within it. It is	Development of the road (A27) in the north.

Date	Land use / features on site	Land use / features in vicinity of site (of relevance to the assessment)
	considered likely that this feature relates to an area of scrubland although the map is unclear and may relate to another feature such as a quarry or pit. The northern field no longer contains trees.	
1979	The circular feature in the north east of the site (scrubland or quarry / pit) is no longer present	No significant change.
1988-1989	Some redevelopment (i.e. demolition and construction of buildings) has occurred at The Bungalow in the north-east of the site.	Further development in the residential area to the south of the site.
1994	- The glazed roof buildings comprising New Place Nursery are no longer shown to be present. Several buildings remain in this area which are still labelled as New Place Nursery, although it is now assumed to be inactive. - The buildings which formerly comprised Seven Acres Nursery are now labelled as Seven Acres, it is presumed the nursery is now inactive.	- Wooded areas to the north and the east no longer are present. - The remaining glazed roof building as part of Seven Acres Nursery adjacent to the north-east corner of the site is no longer shown.
1999	- There is no physical boundary between the two fields. - The buildings which were associated with Seven Acres Nursery no longer appear to exist. - Fewer buildings in the area labelled as New Place Nursery appear to exist. Aerial photography shows multiple cars in this area.	Wooded areas to the north and the east are present.
2017	No significant change.	No significant change.
Note: Locations of features are approximate		

From the first available historic map (1876), the site has comprised three open fields, presumably for agricultural use. Over time it has evolved into one open field through loss of hedgerows and appears to only partially be used for agricultural purposes. The site has formerly been occupied by Wilmington Nursery at the north-east of the site from the 1971 map, which was renamed Seven Acres Nursery by the 1974-1975 map. This map also indicated that glazed roof buildings on-site were removed, with the buildings remaining. The largest glazed roof building associated with this nursery was present off-site immediately adjacent to the north-east corner. This was removed by the 1994 map, at which point the remaining buildings on-site became labelled as Seven Acres and the nursery is presumed to have become inactive. These remaining buildings on-site were shown to be demolished by 1999.

To the south of this development along the eastern site boundary, several buildings labelled as The Bungalow were constructed between 1937 and 1971 consisting of one main building and another smaller building on-site (additional small buildings lie beyond the eastern boundary, possibly associated with Wilmington Nursery). By 1988, the development of a further building has occurred in close proximity to the north of the main building. Between 1999 and 2017, extension of the main building has occurred.

New Place Nursery has also occupied the site at the south-east (in the area currently occupied by the commercial and light industrial area). This nursery was first shown in 1971, with glazed roof buildings being removed by the 1994 map with the buildings remaining. By the 1999 map, fewer buildings are shown to be present in this area with the remaining buildings used as part of the small commercial and light industrial area by 2017. As determined by the site reconnaissance, the nursery is no longer present, however, the date it became inactive is unknown but is presumed to be during the mid to late 1990s.

In the 1974 map edition, a circular feature is present in the north east of the site to the east of Seven Acres Nursery, with the letters SC written within it. Considering the lettering (SC often relates to scrub on OS maps) and the current setting of this area of the site (which comprises scrubland) it is considered likely that this feature relates to an area of scrubland. Although, the map is unclear and the circular feature shown on the 1974 map may relate to another feature such as a quarry or pit. The circular feature is not shown on the 1979 mapping publication.

3.3 Ground conditions

3.3.1 Geology

Published records (British Geological Survey Onshore Geoindex, available online at <http://mapapps2.bgs.ac.uk/geoindex/home.html>) for the area indicate the geology of the site to be characterised by superficial Head Deposits. This excludes a small area in the north of the site where superficial deposits are not shown. Alluvium deposits are located approximately 50 m from the north-west corner of the site, although are not shown to underlie the site. River Terrace Deposits are also shown to be located to the south and the west of the site from approximately 250 m away. The bedrock geology across the site consists of the London Clay Formation. The bedrock is shown to change to the

Lambeth Group to the immediate north, 230 m to the south and 350 m to the west of the site.

British Geological Survey borehole data shows there are no boreholes on site. The closest borehole (TQ00SE6) lies 280 m to the south-east of the site boundary and shows drift deposits to a depth of approximately 7 m, overlying London Clay with a thickness of 11 m.

The geology of the site is described in Table 3, and is shown within maps contained within the environmental database report (Envirocheck, September 2017; Appendix E).

The history of the site suggests that made ground may be present in the east of the site where the present day industrial area, the residential property and wasteland is located.

Table 3: Geology at the site

Geological unit	Description	Estimated thickness (m)
Head Deposits	Polymict deposit: comprises gravel, sand and clay depending on upslope source and distance from source. Poorly sorted and poorly stratified deposits formed mostly by solifluction and / or hillwash and soil creep. Essentially comprises sand and gravel, locally with lenses of silt, clay or peat and organic material.	Not recorded
London Clay Formation	Bioturbated or poorly laminated, blue-grey or grey-brown, slightly calcareous, silty to very silty clay, clayey silt and sometimes silt, with some layers of sandy clay.	Up to 150m in the eastern part of the London Basin (Essex)
Off-site strata in close proximity to the site		
Lambeth Group	Vertically and laterally variable sequences mainly of clay, some silty or sandy, with some sands and gravels, minor limestones and lignites and occasional sandstone and conglomerate.	Up to 39m in the west of the London Basin.
Alluvium Deposits	Normally soft to firm consolidated, compressible silty clay, but can contain layers of silt, sand, peat and basal gravel. A stronger, desiccated surface zone may be present.	Not recorded
River Terrace Deposits (Undifferentiated)	Sand and gravel, locally with lenses of silt, clay or peat.	Not recorded

3.3.2 Ground Stability Hazards

The environment database report lists potential ground stability hazards at the site as follows:

- Collapsible ground – very low;

- Compressible ground – no hazard;
- Ground dissolution – no hazard;
- Landslides – very low;
- Running sands – very low; and
- Shrinking or swelling clay – low.

Based on the site reconnaissance survey, which revealed the site slopes very gently towards the north north west, it is presumed there are no slopes which are greater than 1 in 12 on the site.

3.3.3 Radon

The environmental database report presented in Appendix E (Envirocheck report, September 2017) indicates that the site is located within a 'Lower probability radon area (less than 1% of homes are estimated to be at or above the Action Level)', as defined by the Documents of the National Radiological Protection Board (Radon Atlas of England and Wales, NRPB-W26-2002). Therefore, the risk of significant ingress of radon into structures on-site is considered low and no radon protective measures are required within new dwellings at the site.

3.3.4 Mining and quarrying

Evidence has been sought to identify any mining and quarrying operations, past and present, which have taken place in the vicinity of the site. The sources of information referenced in this element of the desk study include:

- An environmental database report (Envirocheck Report, September 2017);
- Old Ordnance Survey maps and plans;
- Current maps and aerial imagery;
- BGS Onshore Geoindex, including geological maps (available online at <http://mapapps2.bgs.ac.uk/geoindex/home.html>); and
- Coal Authority interactive map viewer (available online at <http://mapapps2.bgs.ac.uk/coalauthority/home.html>).

No mines or quarries are recorded on or within 500 m of the site. There are four records for historic opencast quarries mining sand and gravel from the Head Deposits, Spetisbury Chalk Member and Lambeth Group between 500 m and 1 km from the site, with the nearest being located 747 m north-east of the site.

The site is indicated by the Coal Authority interactive map viewer to be in an area that is not to be affected by coal mining.

3.3.5 Landfilling and land reclamation

Evidence has been sought to identify any landfilling or land reclamation operations, past and present, which have taken place near the site. The sources of information referenced in this element of the desk study include:

- An environmental database report (Envirocheck Report, September 2017);
- Old Ordnance Survey maps and plans;
- BGS Onshore Geoindex, including geological maps (available online at <http://mapapps2.bgs.ac.uk/geoindex/home.html>); and
- EA interactive map viewer (available online at <http://maps.environment-agency.gov.uk/wiyby>).

With reference to the above data, no active or historic landfill sites are recorded on site. The closest historic landfill is located 928 m north-east from site and a registered landfill site is recorded 750 m north-east from the site on Dappers Lane, Angmering, with a 'surrendered' license status. The Envirocheck report identifies some records for areas of potentially infilled land, comprising potentially opencast pits / quarries (as identified in Section 3.3.4) and infilled ponds. The nearest infilled pond is located 41 m west of the site.

An area on-site in the north-east (not included in the above records for areas of potentially infilled land) is identified in historic mapping as an area of probable scrubland however due to the clarity of the map may represent a quarry/pit. Should this feature be a quarry or pit landfilling will have occurred in this area of the site, intrusive site investigation works should be undertaken to confirm the presence of landfill/made ground in this area of the site.

3.4 Hydrogeology

3.4.1 Aquifer characteristics

Based on the published geological records referred to above, the hydrogeology of the site is likely to be characterised by the presence of a shallow unconfined aquifer. The Head Deposits are classified by the Environment Agency as a secondary undifferentiated aquifer, and the London Clay is classified as unproductive strata. Shallow groundwater in the site area is anticipated to flow in a north-westerly direction towards the surface water course.

3.4.2 Vulnerability of groundwater resources

The site has been classified by the Environment Agency to overlie a secondary undifferentiated aquifer, which are aquifers which include a wide range of rock layers or drift deposits with an equally wide range of water permeability and storage where it has not been possible to attribute either a category A or B to a rock type. In most cases this means that it was previously designated as both minor and non-aquifer in different locations, owing to the variable characteristics.

The soils beneath the site are classified as having a groundwater vulnerability reflective of a minor-aquifer region. The majority of the site is classed as soils with a high leaching potential (H1) which are soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater. A small area in the north-east of the site is classed as spoils with low leaching potential defined as soils in which pollutants are unlikely to penetrate the soil

layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment.

3.4.3 Licensed groundwater abstractions

The environmental database report (Envirocheck report, September 2017) indicates that there are no current licensed groundwater abstractions on-site. The nearest groundwater abstraction is located 25 m to the south-west of the site in the form of a spring and is operated by Richard J Pierce at Paris Farm for spray irrigation. Beyond this, a further groundwater abstraction has been identified 480 m west of the site and 20 groundwater abstractions between 501 m and 2000 m of the site.

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Information provided by the Environment Agency indicates that the site does not lie within a currently designated groundwater Source Protection Zone.

3.5 Hydrology

3.5.1 Surface watercourses and water bodies

There are no surface watercourses or water bodies on the site. The nearest identified surface water feature to the site is an unnamed inland river approximately 60 m to the north which passes through ponds and marsh land within 800 m of site, before flowing into the River Arun 5.4 km west of the site. There is also a discontinuous inland river approximately 150 m from the south of the site.

3.5.2 Surface water abstractions

The environmental database report (Envirocheck report, September 2017) indicates that there are no current licensed surface water abstractions on-site. Seven surface water abstractions are identified from 1 km to 2 km away from the site. The nearest surface water abstraction is 1225 m south-west of the site.

Approximately 51 m from the east of the site there is discharge consent of treated sewage into a freshwater course.

3.5.3 Site drainage

Based on the anticipated underlying geology at the site (i.e. Head Deposits which are likely to be variable in their composition and therefore their permeability), it is considered that the adoption of soakaways for future site drainage is potentially feasible but will require confirmation through infiltration testing.

3.5.4 Preliminary flood risk assessment

The indicative floodplain map for the area, published by the EA, shows that the site does not lie within an area at risk of flooding from rivers or the sea (i.e. the site lies within flood zone 1, having less than 1 in 1000 annual probability of river or sea flooding). It is understood there is no flood risk from surface water over the majority of the site, however, localised areas along the western site boundary show an area at low risk

(1000 year return) of flooding from surface water and another is at high risk (30 year return). The area surrounding the inland river to the north also is at high risk from surface water flooding and at risk of flooding from rivers or the sea without defences (zone 3).

In southern and western areas of the site there is potential for groundwater flooding to occur at the surface. In the central region and northern and eastern areas of the site there is potential for groundwater flooding of properties situated below ground level.

This report is not intended to replace a full hydrological study and it is recommended that additional specialist studies be conducted to confirm flood risks at the site.

3.6 Sensitive land uses

There are no national or internationally designated sensitive land uses such as sites of special scientific interest (SSSI), Special Areas of Conservation or Ramsar sites are identified on the site. The nearest environmentally sensitive land areas to the site are the South Downs National Park, 200 m to the north of the site, and an English Heritage Scheduled Ancient Monument, 1.2 km to the south-west of the site. There are also nine registered ancient woodlands within a 1 km radius of the site. The site is also located 5 m from a nitrate vulnerable zone to the north-west (Lambeth Group), but does not lie within a nitrate vulnerable zone itself. A comprehensive evaluation of ecological receptors is outside the scope of this report.

3.7 Industrial land uses

There are two records for a licensed waste management facility on-site for end of life vehicles, of which, one license has been surrendered and the other has expired. Both licenses are registered at the same location at the western edge of the commercial and light industrial area, therefore, are likely to be the same facility.

Within the commercial and light industrial area in the south-east of the site, the following trade directories are currently active:

- vehicle repair, testing and servicing garages (Parris Repair Service, Angmering Auto Services and VWSpares);
- printing services (The Design Studio and Va Signs);
- caravan, coach and minibuss storage; and
- a door, window and conservatory manufacturing and installation business (Horizon Windows).

This commercial and light industrial area is understood to have historically been used as New Place Nursery (shown from the 1971 map, see Section 3.2), and subsequently as car breakers and dismantlers, several vehicle repair garages, salvage dealers and commercial vehicle dealers. New Place Nursery is thought to have ceased production by 1994 when the glazed roofed buildings, present in historic maps, no longer exist or have changed roofing.

An additional smaller commercial plant nursery (Wilmington Nursery, later renamed Seven Acres Nursery) was present at the north-east of the site, shown to be present from the 1971 map and presumed to be inactive in 1994 with the buildings having been demolished by 1999.

3.8 Initial conceptual model

The information presented in Sections 2 and 3.1 to 3.7, has been used to compile an initial conceptual model. The identified potential sources of contamination, associated contaminants and receptors have been considered with plausible pathways that may link them. The resulting potential pollutant linkages are considered in Section 3.8.4. The risk classification has been estimated in accordance with information in Appendix D.

3.8.1 Summary of potential contaminant sources

Potential sources and contaminants of concern are summarised in **Error! Reference source not found.4**.

Table 4: Potential sources and types of contamination

Potential sources	Contaminants of concern
On-site (current and historic)	
Historic nurseries (Seven Acres and New Place)	Pesticides and herbicides
Areas of made ground in the vicinity of former buildings which have been demolished (Seven Acres / New Place Nursery / The Bungalow) in the east of the site. Materials are presumed to be demolition-type rubble.	Unknown fill material (but potentially including heavy metals, ash, clinker, sulphates, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), asbestos containing materials etc.)
Made ground associated with the infilling of a pit / quarry possibly present in the north-east of the site	Unknown fill material (but potentially including heavy metals, ash, clinker, sulphates, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), asbestos containing materials etc.)
Chemical and fuel storage and the use associated with current and historic vehicle repair garages / used car dealers.	Hydrocarbons, volatile organic compounds (VOCs), lubricants, oils and elevated metal concentrations.
Chemicals, fuels and asbestos containing materials (ACM) associated with historic end of life vehicle waste management facilities / car breakers and dismantlers in the commercial area.	Asbestos containing materials, hydrocarbons, volatile organic compounds (VOCs), lubricants, oils and elevated metal concentrations.
Chemicals / inks associated with the printing facilities.	Metals and metalloids, inorganic compounds, acids / bases, asbestos, organic compounds (e.g. aliphatic /

Potential sources	Contaminants of concern
	aromatic hydrocarbons, halogenated solvents), fuels, polychlorinated biphenyls (PCBs), effluent treatment chemicals
Adhesives / oils associated with the door, window and conservatory manufacturing and installation business (Horizon Windows)	Adhesives and oils.
Off-site	
Made ground associated with the infilled pond 41 m to the north-west of the site.	Unknown fill material (but potentially including heavy metals, ash, clinker, sulphates, petroleum hydrocarbons, polycyclic aromatic hydrocarbons (PAHs), asbestos containing materials etc.)
Gas sources and gas generation potential in line with BS8576	
On-site	
Peat within Head Deposits	Carbon dioxide, methane – very low ground gas generation potential
Infilled pit / quarry in the north-east of the site	Carbon dioxide, methane – low ground gas generation potential
Made ground from the demolition of buildings	Carbon dioxide, methane – very low ground gas generation potential
Off-site	
Infilled pond (41 m to the north-west)	Carbon dioxide, methane – low ground gas potential

3.8.2 Sensitive receptors

Sensitive receptors at this site include:

- future site occupants;
- adjacent site users;
- future vegetation;
- proposed buildings and potable water supply pipes; and
- groundwater beneath the site (within secondary aquifers).

Please note that construction workers have not been identified in the conceptual model as receptors because risks are considered to be managed through health and safety procedures including CDM regulations.

3.8.3 Summary of plausible pathways

The plausible pathways are summarised below:

- direct contact (soil, dust and vegetable ingestion, dermal contact, dust and fibre inhalation);
- vertical and lateral migration including leaching;

- root uptake;
- chemical attack of infrastructure (including permeation of water supply pipes); and
- gas migration and build-up in confined spaces.

3.8.4 Potentially complete pollutant linkages

The outline conceptual model is shown in Table 5, with an estimate of the risk associated with each linkage. The risk classification has been undertaken in accordance with CIRIA C552 (Rudland et al., 2001), a summary of which is included in Appendix D.

Table 5: Risk estimation for potentially complete pollutant linkages

Pollutant linkage	Potential Contaminant	Potential receptor	Possible pathway	Likelihood	Severity	Risk and justification
Human Health						
1	Usage and potential storage of herbicides and pesticides at New Place and Seven Acres Nurseries	Future site users	Direct contact including soil and dust ingestion and inhalation	Low	Medium	Moderate / low: As areas of the site have historically been used as nurseries, it is likely herbicides and pesticides have been used. There is no information to suggest pesticides and herbicides have been manufactured on site. It is considered that recent and current use of pesticides and herbicides will have been subject to statutory control regarding the products used, their active chemical constituents and their application to land or vegetation. As such highly persistent forms are now relatively rare. Historic usage of pesticides and herbicides, which was not subject to statutory control, has potentially occurred at the site within Seven Acres and New Place Nurseries. Direct contact in areas formerly occupied by nurseries could lead to chronic damage to human health.
2	Localised areas of made ground in the vicinity of former buildings on-site and made ground associated with the possible presence of a backfilled pit / quarry in the north-east of the site.	Future site users	Direct contact including soil and dust ingestion and inhalation	Low	Medium	Moderate / low: Due to historic development and demolition of buildings on-site and infilling of the pit/quarry in the north-east of the site it is likely that localised areas of made ground will be present on the site. At present, it is unknown what the constituents of the made ground are. However, direct contact with contaminants in the made ground could cause chronic damage to human health.

Pollutant linkage	Potential Contaminant	Potential receptor	Possible pathway	Likelihood	Severity	Risk and justification
3	Chemicals, fuel and asbestos containing materials associated with current and historic vehicle repair garages / used car dealers and historic end of life vehicle waste management facilities / car breakers and dismantlers	Future site users	Direct contact including soil and dust ingestion and inhalation	Low	Medium	Moderate / low: A small area of the site (which now comprises the commercial / light industrial area at the east of the site) has historically and is currently occupied by vehicle repair garages / used car dealers and historic end of life vehicle waste management facilities / car breakers and dismantlers. It is considered that chemical and fuel storage and use is associated with these trades. If present within soils at the commercial / light industrial area then direct contact could cause chronic damage to human health.
4	Chemicals and inks from the printing facilities and adhesives and oils from the door, window and conservatory manufacturing and installation business	Future site users	Direct contact including soil and dust ingestion and inhalation	Low	Medium	Moderate / low: Within the small area of the site (which now comprises the commercial / light industrial area at the east of the site) a printing facility is present. It is understood that chemicals and inks are used at this printing facilities and adhesives and oils are used in the door, window and conservatory manufacturing and installation business, which if present within soils at the commercial / light industrial area then direct contact could cause chronic damage to human health.
5	On-site gas generation	Future site users	Gas migration and build-up in confined spaces	Low	Severe	Moderate: On-site sources of ground gas are peat within the Head Deposits and made ground from the demolition of buildings (which have been determined with a very low gas generation potential according to Figure 6 of BS8576 (BSI, 2013)). The made ground associated with the infill of the pit / quarry in the north-east of the site is also a source of ground gas and has been determined with a low gas generation potential. Considering the ground conditions of the site are anticipated to comprise predominantly cohesive bedrock strata and clay-rich superficial deposits, ground gas migration is considered to be of low likelihood. Risk associated with ground gas are acute. Therefore a severity rating of severe has been applied.

Pollutant linkage	Potential Contaminant	Potential receptor	Possible pathway	Likelihood	Severity	Risk and justification
6	Off-site gas generation	Future site users	Gas migration and build-up in confined spaces	Unlikely	Severe	Moderate / low: Off-site sources of ground gas are limited to the made ground associated with the infilled pond 41 m to the north-east of the site. This is considered to have a low gas generation potential according to Figure 6 of BS8576 (BSI, 2013). Considering the ground conditions of the site are anticipated to comprise predominantly cohesive bedrock strata and clay-rich superficial deposits, ground gas migration is considered to be of low likelihood. Risk associated with ground gas are acute. Therefore a severity rating of severe has been applied.
7	On-site sources of contamination (Seven Acres and New Place Nurseries, vehicle repair garages, printing facility)	Adjacent site users	Direct contact via dust inhalation	Unlikely	Medium	Low: Considering the only plausible pathway linking adjacent site users to on-site sources of contamination is via dust inhalation it is unlikely that adjacent site users will be impacted. However, direct contact via dust inhalation may cause chronic damage to human health.
Controlled Waters						
Considering the ground conditions at the site are anticipated to comprise predominantly cohesive bedrock strata and clay-rich superficial deposits, leaching and migration of contaminants is considered unlikely.						
Buildings and Infrastructure						
8	On-site sources of contamination (Seven Acres and New Place Nurseries, vehicle repair garages, printing facility, localised areas of made ground)	Future on-site buildings	Chemical attack of foundations and damage to structures	Low	Mild	Low: Potential contaminants associated with current and historic trades at the site and potential localised areas of made ground may result in aggressive conditions for foundations causing damage to structures. There is a potential for differential settlement of foundations spanning both made ground and natural strata.

Pollutant linkage	Potential Contaminant	Potential receptor	Possible pathway	Likelihood	Severity	Risk and justification
9	On-site sources of contamination (Seven Acres and New Place Nurseries, vehicle repair garages, printing facility, door, window and conservatory manufacturing and installation business and made ground)	Future on-site buildings	Permeation of potable water supply pipes	Low	Medium	Moderate / low: Potential organic contaminants associated with current and historic trades at the site and potential localised areas of made ground may permeate potable water supply pipes with the potential to cause chronic damage to human health.
10	On-site gas generation	Future on-site buildings	Gas migration and build-up in confined spaces	Low	Severe	Moderate: As discussed in pollutant linkage 6, peat within Head Deposits, made ground from demolition of buildings and made ground associated with the infill of the pit / quarry represent potential very low and low gas generation sources. It is considered of low likelihood that gas migration through the anticipated clay-rich bedrock strata and superficial deposits will occur. Risk associated with ground gas are acute. Therefore, a severity rating of severe has been applied.
11	Off-site gas generation	Future on-site buildings	Gas migration and build-up in confined spaces	Unlikely	Severe	Moderate / low: As discussed in pollutant linkage 7, made ground associated with the infilled pond represents a potential low gas generation source. It is considered of low likelihood that gas migration through the anticipated clay-rich bedrock strata and superficial deposits will occur. Risk associated with ground gas are acute. Therefore a severity rating of severe has been applied.
Phytotoxic effects						
Contaminants within potential isolated areas of made ground associated with former / current buildings on-site, and presumed infilled ponds present on-site may have the potential to locally inhibit vegetation growth.						

There are potential contaminants on-site that are identified in Table 5 to have complete pollutant linkages with a risk ranking of moderate / low, which RSK consider, as a precautionary approach, should be further investigated. These are:

- Direct contact of future site users with herbicides and pesticides associated with the former nurseries (New Place and Seven Acres nurseries);
- Direct contact of future site users with made ground in the vicinity of former buildings on-site and made ground associated with the possible infilling of a pit / quarry in the north-east of the site;
- Direct contact of future site users with chemicals, fuel and asbestos containing materials associated with current and historic vehicle repair garages / used car dealers and historic end of life vehicle waste management facilities / car breakers and dismantlers;
- Direct contact of the future site users with chemicals and inks from the printing facilities; and
- The permeation of on-site contaminants (associated with Seven Acres and New Place Nurseries, vehicle repair garages, printing facility, made ground) through potable water supply pipes with the potential to cause risk to future on-site buildings and cause chronic damage to human health.

On-site gas generation, migration and build up in confined spaces effecting future on-site users and buildings is identified in Table 5 to be a complete linkage with a risk ranking of moderate which RSK consider should be further investigated. Off-site gas generation migration and build up in confined spaces effecting future on-site users and buildings is also identified in Table 5 to have a complete linkage with a risk ranking of moderate/low which RSK consider as a precautionary approach should be further investigated.

As a conservative approach, we suggest pollutant linkages 7 and 8 in Table 5 are also investigated which both have complete pollutant linkages with a risk ranking of low. These are:

- Direct contact via dust inhalation of adjacent site users with on-site sources of contamination (Seven Acres and New Place Nurseries, vehicle repair garages, printing facility and localised areas of made ground).
- Chemical attack on foundations of future on-site buildings by on-site sources of contamination (Seven Acres and New Place Nurseries, vehicle repair garages, printing facility and localised areas of made ground).

4 PHASE 1 GEOTECHNICAL ASSESSMENT

4.1 Foundations

Based on the review of available BGS data, the site is indicated to be predominantly underlain by Head Deposits (which are typically variable in nature), with the London Clay Formation present at depth. Localised areas of made ground are considered likely to be present, particularly in the east.

Where Natural Strata is encountered near surface, traditional strip or trench fill foundations may be appropriate for low rise residential units although this will be dependant on the composition of the superficial head deposits which are typically variable in nature.

Alternative foundations, such as piles, may be required if areas of loose / soft Head Deposits are present, or if deep made ground is encountered (i.e. in the north-east where a backfilled pit / quarry is possibly present), necessitate the advancement of deep excavations.

Owing to the likely presence of shrinkable clay soils, foundations should be designed taking into account all the normal precautions, including minimum founding depths, to minimise the risk of future foundation movements in accordance with NHBC Standards, Chapter 4.2 'Building Near Trees', or similar.

It is likely that formations soils will comprise both cohesive and granular soils. On this basis, foundations may need to incorporate nominal mesh reinforcement throughout to overcome the potential for any differential settlement.

It is recommended that Phase II exploratory works are undertaken and soils assessed to confirm geotechnical conditions on site, prior to final geotechnical design.

4.2 Groundwater / Excavation Stability

There is a potential for locally loose sands and localised perched water within the Head Deposits underlying the site.

Pumping from open sumps in granular soils (i.e. within the Head Deposits) should be avoided as this can result in instability and general loosening of the soils at the base of the excavation. Although unlikely, dewatering in non-cohesive soils will require the use of well-pointing systems. In cohesive soils, pumping from open sumps should be sufficient to keep excavations reasonably dry.

Due to the potential presence of granular Head Deposits, there is the potential for instability of foundation excavations, especially if associated with any groundwater seepages. Closely boarded side support may therefore be required in granular soils, especially if associated with groundwater seepages.

4.3 Drainage

Based on the anticipated underlying geology at the site (i.e. Head Deposits which are likely to be variable in their composition and therefore their permeability), it is considered

that the adoption of soakaways for future site drainage is potentially feasible but will require confirmation through infiltration testing.

4.4 Slopes

Based on the site reconnaissance survey, which revealed the site slopes very gently towards the north-west, it is presumed there are no slopes which are greater than 1 in 12 on the site.

5 CONCLUSIONS AND RECOMMENDATIONS

5.1 Conclusions

The site comprises a small commercial and light industrial area in the east of the site, which includes a caravan, minibus and small coach park, vehicle repair garages (Angmering Auto Services, VW Spares and Parris Repair Service), a residential property (New Place Bungalow), a small camping area, printing facilities (Va Signs and The Design Studio) and a door, window and conservatory manufacturing and installation business (Horizon Windows). A scrubland is located in the north-east of the site, with the remainder of the site comprising agricultural land and grassland. Historically, two nurseries (Seven Acres and New Place) were active in the east of site. The surrounding area around site comprises a mixture of recreational, agricultural, agricultural, industrial, residential and wooded land.

Based on the site reconnaissance survey, which revealed the site slopes very gently towards the north north west, it is presumed there are no slopes which are greater than 1 in 12 on the site.

Potential on-site sources of contamination include unknown fill material associated with the infilled pit / quarry that existed in the north-east of site and any made ground linked to the demolition of former buildings in the east of site. Pesticides and herbicides used in the former nurseries (Seven Acres and New Place) and contamination connected to the commercial and light industrial area (inc. Repair garages, used car dealers, end of life vehicle waste management facilities, car breakers and dismantlers, and printing facilities) are also potential sources of on-site contamination.

Potential off-site sources of contamination is limited to the unknown fill material in the former pond to the north-west of the site boundary. Potential gas sources on- and off-site are linked to made ground associated with fill materials, demolition of former buildings and peat found within superficial Head Deposits.

The PRA has identified several potentially complete contaminant linkages that RSK consider to require further assessment. These are detailed in Section 3.8.4 above.

5.2 Recommendations

To reduce any uncertainty associated with the conceptual model (such as the possible presence of backfilled a backfilled pit/quarry), to quantify the risk associated with the contaminant linkages above, and to support the application for change of use to residential, RSK recommends a programme of intrusive investigation, chemical and geotechnical testing and subsequent generic quantitative risk assessment including:

- trial pitting to ascertain near-surface ground conditions;
- window sampling to investigate deeper ground conditions and to enable the installation of ground gas monitoring wells;
- in-situ field tests to obtain soil parameters for pavement design; and

- soakaway testing to ascertain infiltration characteristics of the Head Deposits to inform drainage design

BIBLIOGRAPHY

- British Geological Survey, Onshore Geoindex (online). Available at; <http://mapapps2.bgs.ac.uk/geoindex/home.html> (accessed September 2017)
- British Standards Institution (BSI) (1990), 'BS 1377:1990. Methods of test for soils for civil engineering purposes'.
- British Standards Institution (2015), 'BS 5930:2015. Code of practice for ground investigations'.
- British Standards Institution (2013), BS8576:2013. Guidance on investigations for ground gas – permanent gases and volatile organic compounds (VOCs)
- Coal Authority, Interactive Map Viewer (online). Available at; <http://mapapps2.bgs.ac.uk/coalauthority/home.html> (accessed September 2017).
- Environment Agency (2004), Model Procedures for the Management of Contaminated Land. Contaminated Land Report Number 11 (CLR11), September (Bristol: Environment Agency).
- Environment Agency (online). Available at; www.environment-agency.gov.uk/ (accessed September 2017).
- GOV.UK, Long Term Flood Risk Map (online). Available at; <https://flood-warning-information.service.gov.uk/long-term-flood-risk> (accessed September 2017).
- Landmark Information Group (2017), 'Envirocheck report reference 131805386_1_1', dated 11 July 2017.
- Rudland, D. J., Lancefield, R. M. and Mayell, P. N. (2001), *CIRIA C552. Contaminated Land Risk Assessment: A Guide to Good Practice* (London: CIRIA).

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FIGURES

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Client

GLADMAN DEVELOPMENTS LTD

Project Title

LAND WEST OF ARUNDEL ROAD, ANGMERING

Drawing Title

SITE LOCATION PLAN

Drawn	Date	Checked	Date	Approved	Date
AP	14.09.17	MB	14.09.17	MB	14.09.17

Project No.
301954

Drawing File
B01954-R01(00)D001A

Scale
1:50000

Orig Size
A4

Dimensions
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Drawing No.
FIGURE 1

Rev.
A

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LEGEND

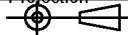
Site boundary



Notes

Base plan from Gladman Developments, Drawings No. 2017-084/101, Dated 23.08.2017

REV.	DATE	DESCRIPTION	BY	CHD.	APR.
A	14.09.17	FIRST ISSUE	AP	MB	MB

Dimensions	Projection	Scale	Orig Size
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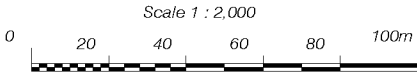
CLIENT
GLADMAN DEVELOPMENTS LIMITED

PROJECT
LAND WEST OF
ARUNDEL ROAD, ANGMERING

TITLE
SITE LAYOUT PLAN

JOB No.: 301954
DRAWING FILE: 301954-R01(00)D002A

BY: AP
DATE: 14.09.17
CONTRACT NO.:
REV: A
FIGURE 2



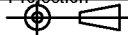
LEGEND:

- Site boundary
- Internal boundary
- Commercial and light industrial area
- Former pit/quarry



Notes

Base plan from Gladman Developments, Drawings No. 2017-084/101, Dated 23.08.2017

REV.	DATE	DESCRIPTION	BY	CHD.	APR.
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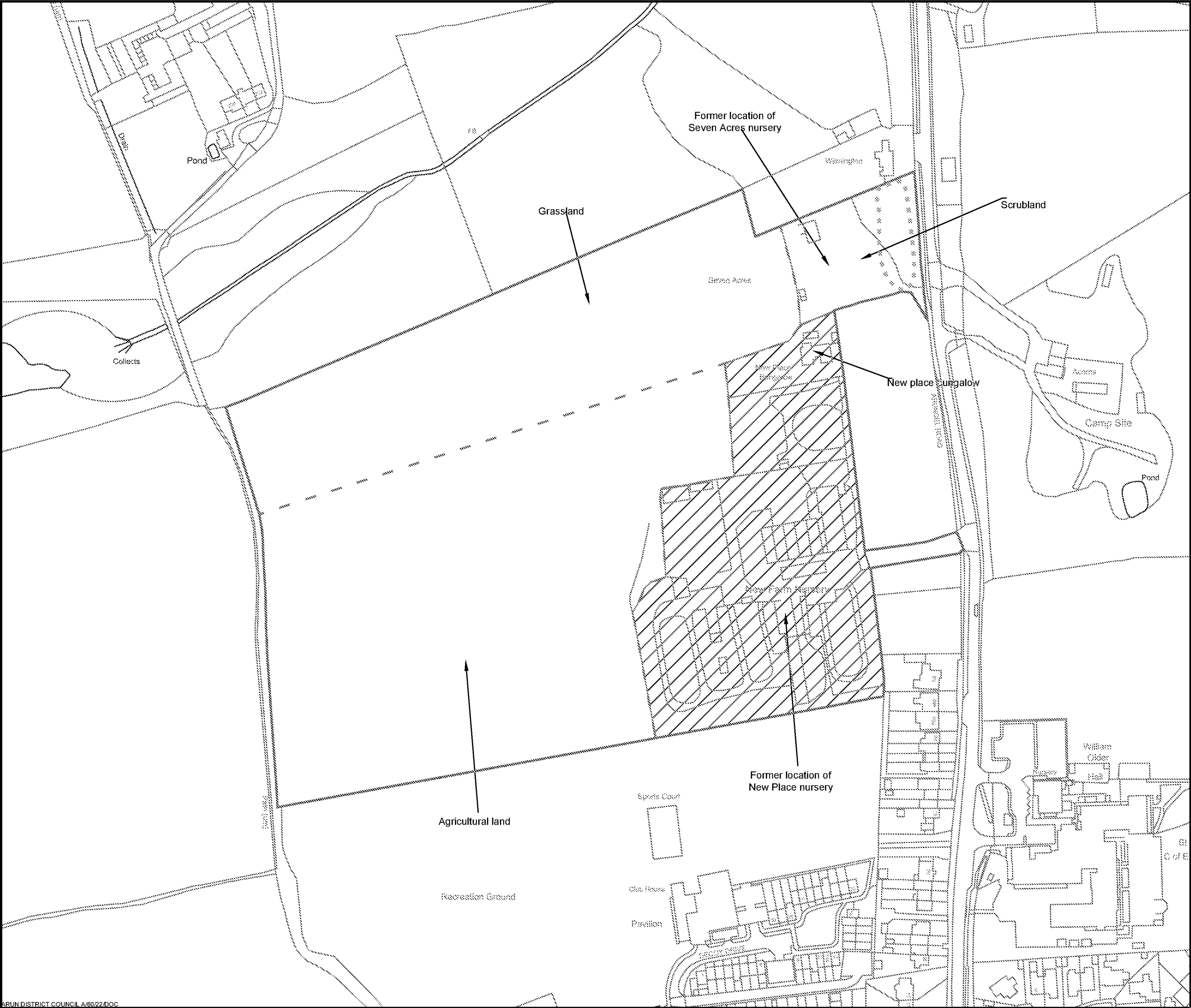
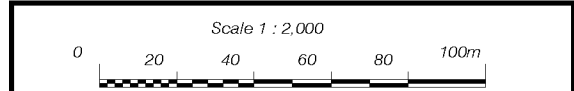
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PROJECT
LAND WEST OF
ARUNDEL ROAD, ANGMERING

TITLE
SITE LAYOUT PLAN

JOB No.: 301954
DRAWING FILE: 301954-R01(00)D003A

BY: AP
DATE: 14.09.17
CONTRACT NO.:
REV: A



APPENDIX A

SERVICE CONSTRAINTS



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APPENDIX A

SERVICE CONSTRAINTS

1. This report and the site investigation carried out in connection with the report (together the "Services") were compiled and carried out by RSK Environment Limited (RSK) for Gladman Developments Limited (the "client") in accordance with the terms of a contract between RSK and the "client", dated 28 July 2017. The Services were performed by RSK with the skill and care ordinarily exercised by a reasonable environmental consultant at the time the Services were performed. Further, and in particular, the Services were performed by RSK taking into account the limits of the scope of works required by the client, the time scale involved and the resources, including financial and manpower resources, agreed between RSK and the client.
2. Other than that expressly contained in paragraph 1 above, RSK provides no other representation or warranty whether express or implied, in relation to the Services.
3. Unless otherwise agreed in writing the Services were performed by RSK exclusively for the purposes of the client. RSK is not aware of any interest of or reliance by any party other than the client in or on the Services. Unless expressly provided in writing, RSK does not authorise, consent or condone any party other than the client relying upon the Services. Should this report or any part of this report, or otherwise details of the Services or any part of the Services be made known to any such party, and such party relies thereon that party does so wholly at its own and sole risk and RSK disclaims any liability to such parties. **Any such party would be well advised to seek independent advice from a competent environmental consultant and/or lawyer.**
4. It is RSK's understanding that this report is to be used for the purpose described in the introduction to the report. That purpose was a significant factor in determining the scope and level of the Services. Should the purpose for which the report is used, or the proposed use of the site change, this report may no longer be valid and any further use of or reliance upon the report in those circumstances by the client without RSK's review and advice shall be at the client's sole and own risk. Should RSK be requested to review the report after the date of this report, RSK shall be entitled to additional payment at the then existing rates or such other terms as agreed between RSK and the client.
5. The passage of time may result in changes in site conditions, regulatory or other legal provisions, technology or economic conditions which could render the report inaccurate or unreliable. The information and conclusions contained in this report should not be relied upon in the future without the written advice of RSK. In the absence of such written advice of RSK, reliance on the report in the future shall be at the client's own and sole risk. Should RSK be requested to review the report in the future, RSK shall be entitled to additional payment at the then existing rate or such other terms as may be agreed between RSK and the client.
6. The observations and conclusions described in this report are based solely upon the Services which were provided pursuant to the agreement between the client and RSK. RSK has not performed any observations, investigations, studies or testing not specifically set out or required by the contract between the client and RSK. RSK is not liable for the existence of any condition, the discovery of which would require performance of services not otherwise contained in the Services. For the avoidance of doubt, unless otherwise expressly referred to in the introduction to this report, RSK did not seek to evaluate the presence on or off the site of asbestos, electromagnetic fields, lead paint, heavy metals, radon gas or other radioactive or hazardous materials.
7. The Services are based upon RSK's observations of existing physical conditions at the Site gained from a walk-over survey of the site together with RSK's interpretation of information including documentation, obtained from third parties and from the client on the history and usage of the site. The Services are also based on information and/or analysis provided by independent testing and information services or laboratories upon which RSK was reasonably entitled to rely. The Services clearly are limited by the accuracy of the information, including documentation, reviewed by RSK and the observations possible at the time of the walk-over survey. Further RSK was not authorised and did not attempt to independently verify the accuracy or completeness of information, documentation or materials received from the client or third parties, including laboratories and information services, during the performance of the Services. RSK is not liable for any inaccurate information or conclusions, the discovery of which inaccuracies required the doing of any act including the gathering of any information which was not reasonably available to RSK and including the doing of any independent investigation of the information provided to RSK save as otherwise provided in the terms of the contract between the client and RSK.
8. The intrusive environmental site investigation aspects of the Services is a limited sampling of the site at pre-determined borehole and soil vapour locations based on the operational configuration of the site. The conclusions given in this report are based on information gathered at the specific test locations and can only be extrapolated to an undefined limited area around those locations. The extent of the limited area depends on the soil and groundwater conditions, together with the position of any current structures and underground facilities and natural and other activities on site. In addition chemical analysis was carried out for a limited number of parameters [as stipulated in the contract between the client and RSK] [based on an understanding of the available operational and historical information,] and it should not be inferred that other chemical species are not present.
9. Any site drawing(s) provided in this report is (are) not meant to be an accurate base plan, but is (are) used to present the general relative locations of features on, and surrounding, the site. Features (boreholes, trial pits etc) annotated on site plans are not drawn to scale but are centred over the approximate location. Such features should not be used for setting out and should be considered indicative only.



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APPENDIX B

SUMMARY OF LEGISLATION AND POLICY RELATING TO CONTAMINATED LAND



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APPENDIX B

SUMMARY OF LEGISLATION AND POLICY RELATING TO CONTAMINATED LAND

Part IIA of the Environmental Protection Act 1990 (EPA) and its associated Contaminated Land Regulations 2000 (SI 2000/227), which came into force in England on 1 April 2000, formed the basis for the current regulatory framework and the statutory regime for the identification and remediation of contaminated land. Part IIA of the EPA 1990 defines contaminated land as 'any land which appears to the Local Authority in whose area it is situated to be in such a condition by reason of substances in, on or under the land, that significant harm is being caused, or that there is significant possibility of significant harm being caused, or that pollution of controlled waters is being or is likely to be caused'. Controlled waters are considered to include all groundwater, inland waters and estuaries.

In August 2006, the Contaminated Land (England) Regulations 2006 (SI 2006/1380) were implemented, which extended the statutory regime to include Part IIA of the EPA as originally introduced on 1 April 2000, together with changes intended chiefly to address land that is contaminated by virtue of radioactivity. These have been replaced subsequently by the Contaminated Land (England) (Amendment) Regulations 2012, which now exclude land that is contaminated by virtue of radioactivity.

The intention of Part IIA of the EPA is to deal with contaminated land issues that are considered to cause significant harm on land that is not undergoing development (see Environmental Protection Act 1990: Part 2A Contaminated Land Statutory Guidance, April 2012). This document replaces Annex III of Defra Circular 01/2006, published in September 2006 (the remainder of this document is now obsolete).

Water Framework Directive (WFD)

The Water Framework Directive 2000/60/EC is designed to:

- enhance the status and prevent further deterioration of aquatic ecosystems and associated wetlands that depend on the aquatic ecosystems
- promote the sustainable use of water
- reduce pollution of water, especially by 'priority' and 'priority hazardous' substances
- ensure progressive reduction of groundwater pollution.

The WFD requires a management plan for each river basin be developed every six years.

Groundwater Directive (GWD)

The 1980 Groundwater Directive 80/68/EEC and the 2006 Groundwater Daughter Directive 2006/118/EC of the WFD are the main European legislation in place to protect groundwater. The 1980 Directive is due to be repealed in December 2013. The European legislation has been transposed into national legislation by regulations and directions to the Environment Agency.

Environmental Permitting Regulations (EPR)

The Environmental Permitting (England and Wales) Regulations 2010 provide a single regulatory framework that streamlines and integrates waste management licensing, pollution prevention and control, water discharge consenting, groundwater authorisations, and radioactive substances regulation. Schedule 22, paragraph 6 of EPR 2010 states: 'the regulator must, in exercising its relevant functions, take all necessary measures - (a) to prevent the input of any hazardous substance to groundwater; and (b) to limit the input of non-hazardous pollutants to groundwater so as to ensure that such inputs do not cause pollution of groundwater.'

Water Resources Act (WRA)

The Water Resources Act 1991 (Amendment) (England and Wales) Regulations 2009 updated the Water Resources Act 1991, which introduced the offence of causing or knowingly permitting pollution of controlled waters. The Act provides the Environment Agency with powers to implement remediation necessary to protect controlled waters and recover all reasonable costs of doing so.

Priority Substances Directive (PSD)

The Priority Substances Directive 2008/105/EC is a 'Daughter' Directive of the WFD, which sets out a priority list of substances posing a threat to or via the aquatic environment. The PSD establishes environmental quality standards for priority substances, which have been set at concentrations that are safe for the aquatic environment and for human health. In addition, there is a further aim of reducing (or eliminating) pollution of surface water (rivers, lakes, estuaries and coastal waters) by pollutants on the list. The WFD requires that countries establish a list of dangerous substances that are being discharged and EQS for them. In England and Wales, this list is provided in the River Basin Districts Typology, Standards and Groundwater threshold values (Water Framework Directive) (England and Wales) Directions 2010. In order to achieve the objectives of the WFD, classification schemes are used to describe where the water environment is of good quality and where it may require improvement.

Planning Policy

Contaminated land is often dealt with through planning because of land redevelopment. This approach was documented in Planning Policy Statement: Planning and Pollution Control PPS23, which states that it remains the responsibility of the landowner and developer to identify land affected by contamination and carry out sufficient remediation to render the land suitable for use. PPS23 was withdrawn early in 2012 and has been replaced by much reduced guidance within the National Planning Policy Framework (NPPF).

The new framework has only limited guidance on contaminated land, as follows:

"planning policies and decisions should also ensure that:

the site is suitable for its new use taking account of ground conditions and land instability, including from natural hazards or former activities such as mining, pollution arising from previous uses and any proposals for mitigation including land remediation or impacts on the natural environment arising from that remediation; after remediation, as a minimum, land should not be capable of being determined as



contaminated land under Part IIA of the Environmental Protection Act 1990; and adequate site investigation information, prepared by a competent person, is presented”.



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APPENDIX C SITE PHOTOGRAPHS AND WALKOVER CHECKLIST



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APPENDIX C

SITE PHOTOGRAPHS AND WALKOVER CHECKLIST

PHOTOGRAPHIC LOG		
Photo no. 1	Date: 14/09/2017	
Direction photo taken: West		
Description: An entry to a section of the small commercial and light industrial area off the road accessed via Arundel Road.		

Photo No. 2	Date: 14/09/2017	
Direction photo taken: Unknown		
Description: Caravan storage park in the small commercial and light industrial area.		

Photo No. 3	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: A & B Autos service, repair and MOT garage.		

Photo No. 4	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: Va Signs at the end of a road.		

Photo No. 5	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: Small above ground storage tanks.		

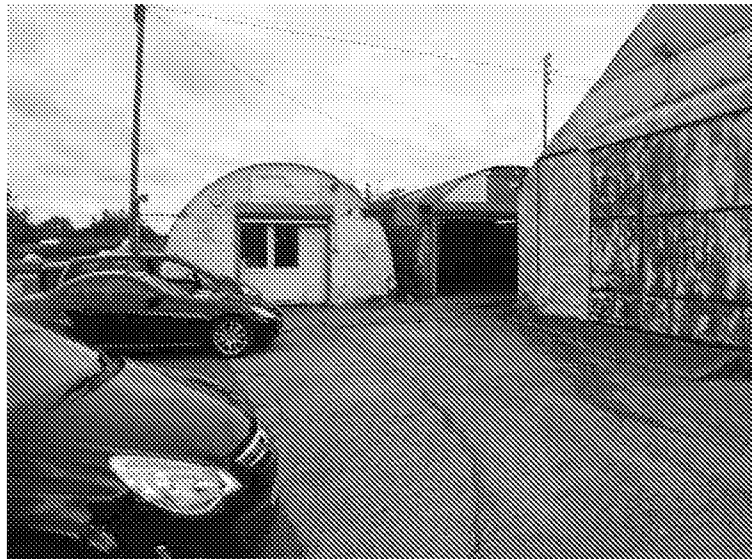
Photo No. 6	Date: 14/092017	
Direction Photo Taken: Unknown		
Description: Angmering Auto Services		

Photo No. 7	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: The roofs of on-site buildings with the potential presence of ACM.		

Photo No. 8	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: Storage containers adjacent to the coach and minibus parking area.		

Photo No. 9	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: Small above ground storage tanks.		

Photo No. 10	Date: 14/09/2017	
Direction Photo Taken: North-west		
Description: Camping area to the north of the small commercial and light industrial area.		

Photo No. 11	Date: 14/09/2017
Direction Photo Taken: North	
Description: New Place Bungalow to the north of the small commercial and light industrial area.	



Photo No. 12	Date: 14/09/2017	
Direction Photo Taken: South-west		
Description: The rear of New Place Bungalow with evidence of a bonfire in the adjacent field.		

Photo No. 13	Date: 14/09/2017	
Direction Photo Taken: West		
Description: General overview of the agricultural field to the west of the small commercial and light industrial area.		

Photo No. 14	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: An area of scrubland in the north-east of the site.		

Photo No. 15	Date: 14/09/2017	
Direction Photo Taken: Unknown		
Description: Disused building in the scrubland in the north-east of the site.		

Photo No. 16	Date: 14/09/2017	
Direction Photo Taken: West		
Description: Grassland in the north of the site, showing the wooded area beyond		

Photo No. 17	Date: 14/09/2017
Direction Photo Taken: Unknown	
Description: General overview of the agricultural field to the west of the small commercial and light industrial area.	

A black and white photograph showing a wide, flat agricultural field in the foreground, leading up to a line of trees and a distant horizon under a cloudy sky. The field appears to be a mix of crops or grass, with some darker patches. The horizon line is low, and the sky is filled with soft, diffused clouds. The overall tone is grainy, typical of older film photography.

WALKOVER SURVEY CHECKLIST: GEOSCIENCES

Land west of Arundel Road, Angmering

These inspections can provide useful information on:

- Potential geotechnical hazards
- Suitable and appropriate locations for investigation
- The groundwater and surface water environments
- Potentially sensitive receptors (targets) including issues that require further investigation, e.g. ecology surveys
- Potential sources of contaminants
- Nature of contamination
- Potential migration routes (pathways)

Mark locations of features described on a map and give them a reference number.

Describe features in as much detail as possible. Continue on the back of the checklist if necessary, using the feature letter for reference. Take photos of site and relevant features in immediate surrounding area.

The walkover survey can also provide information for the environmental consultant in planning the site investigation.

Points that should be addressed in a walkover survey are as follows:

Features	Description	Photo no.
a) Describe materials exposed in nearby road or railway cuttings, in pits and quarries and natural exposures of soils and rocks near to the site. <i>This will give an indication of the geology beneath the site</i>	Brown clay	
b) Describe surrounding properties/land use and name occupiers. Type of boundary demarcation (if any) on each side. <i>This will identify any potential sources of contamination from adjacent sites and any sensitive receptors</i>	North: Undeveloped land East: Residential South: Sport ground West: Undeveloped land	
c) Describe present land use. Are there areas of hardstanding (if yes describe location, types and condition)? <i>Especially crops, for consideration of appropriate timing for further investigation, compensation and reinstatement. Also note hardstanding, obstructions etc. Note any old buildings/ivy covered trees as these may be used by owls or bats</i>	Site comprises mixed land use, in the east it is predominantly car repair and automotive garages with caravan storage and a window selling building	2, 3, 6

WALKOVER SURVEY CHECKLIST Continued

Land west of Arundel Road, Angmering

Features	Description	Photo no.
d) Describe the site in terms of ground slopes and changes in slope. Is there any evidence of subsidence or landslip/slope erosion? <i>Old scarps or hummocky ground may be evidence of previous landslips that could be reactivated. A terraced appearance may be indicative of superficial solifluction movement or cambering. Trees that are leaning may indicate instability or general slope movement.</i>	The site slopes very gently to the north north west	
e) Describe the types and condition of surface vegetation. <i>Nettles may indicate an old cesspit for example or unhealthy vegetation may indicate the presence of phytotoxic fill or landfill gas. Note invasive weeds, e.g. Japanese knotweed.</i>	Eastern area of the site is predominantly hard standing or loose gravel. The undeveloped areas of the site are grassland or old crops	13, 16, 17
f) Note the number, location, height and species of trees and hedges. <i>This is important in terms of shrinking and swelling ground. Trees and hedgerows may be protected; their condition should be noted along with any restrictions they will impose for site access.</i> <i>It is important to note any areas with the potential for nesting birds, roosting bats, water voles and badger setts.</i>	Boundaries of the fields made up of mature trees and hedgerows	
g) Describe any evidence of animal activity. <i>For example obvious animal paths or areas of excavations and burrows.</i>	None seen	
h) Describe any damage to existing structures on site or adjacent to the site <i>For example, cracks in buildings both on the site and in the neighbourhood, and other evidence of settlement or differential settlement.</i> <i>Note presence of any suspected asbestos-containing materials (ACM)</i>	Some outbuildings on site are in a state of disrepair, most buildings have ACM roofs	7
i) Note the remains of structures that have been demolished. Look for evidence of remnants of any historical structures. <i>This will provide valuable information on the location of previous foundations, processes etc.</i> <i>Note presence of any suspected asbestos-containing materials (ACM)</i>	None seen	

WALKOVER SURVEY CHECKLIST Continued

Land west of Arundel Road, Angmering

Features	Description	Photo no.
j) Note any abrupt changes in ground level. Is there evidence of Made Ground/fill on site <i>May indicate that minerals have been worked in surface excavations. May indicate cut and fill.</i>	None seen	
k) Note any surface hollows. <i>Which may indicate the presence of solution features or swallow holes in rocks such as chalk limestone, gypsum and salt, or collapsed underground workings in these materials. May also indicate badger setts or other wildlife activity.</i>	None seen	
l) In areas of country underlain by coal or other minerals note any hummocky ground. <i>Which may be the remnants of spoil tips and surface depressions that may indicate collapsed shallow workings. Areas of general unevenness may be evidence of waste disposal activities.</i>	N/A	
m) Note any evidence of gas from nearby landfill sites <i>Can be indicated for example by poor vegetation or gas bubbles in water-filled trenches.</i>	None seen	
n) Are there any evidence of gas protection measures (gas membrane, gravel filled trenches, venting pipes, cowls etc)	None seen	
o) Note the location of streams, culverts, ponds, seepages and sinks and signs of previous flooding. Note direction of flow. Note where the stream is accessible for sampling. May need to take dimensions of stream. <i>If ponds are present on site they may contain great crested newts. Ditches, streams and rivers that border or run through a site may contain water voles, otters or white-clawed crayfish. Presence of water features on site may prompt the need for a survey during a site investigation.</i>	None seen	
p) All surface waters should be examined for evidence of contamination. <i>For example, oil sheen, silt, solid matter, discoloured sediment.</i>	None seen	

Features	Description	Photo no.
q) Note site drainage. Are there any drain covers/soakaways (if yes describe locations). Are there any outfalls to surface watercourses? Are there any interceptors/lagoons/effluent treatment plants?	Site drainage present in the east of the site only. Rest of the site is natural surface run off and soakaway	
r) Describe storage of fuels and chemicals. Are there any drums/containers (if yes, describe quantity, full/empty, stored on hardstanding/softstanding, bunded)? <i>Is there evidence of underground fuel tanks (if yes, describe locations, how many, volumes, bunding, used/disused, condition)?</i>	Multiple car garages with fuel and oil storage, evidence of spillages in some places. Three small AST outside of MOT garage. Three small plastic containers with red diesel in area of scrubland in the north of the site, poor condition. No bunded storage of fuels and oils	3, 5, 6, 9
s) Note any discoloured ground. <i>This may provide evidence of contamination.</i>	Some discolouring outside of one car garage in the east with fuel smell in that area. Surface was hardstanding with cracks	
t) Accidents: In the event of a large spillage would runoff affect any vulnerable watercourses/culverts? <i>Are emergency procedures/equipment in place?</i>	No	
u) Waste: Are there any waste skips on site? Are waste storage facilities adequate? Is there any litter/fly-tipped material?	One large waste skip in the east near to caravan storage, other smaller areas of waste not contained across the site	
v) Are there any electricity substations on or adjacent to site?	No	
w) Identify any old structures, pipework etc. wherever possible and, if safe, inspect for evidence of stored waste. <i>Old tanks may contain oil. Old electricity transformers should be noted. Asbestos risk should be assessed together with the need for a specialist hazardous materials survey.</i>	None seen	
x) Examine surrounding areas for evidence of contamination which could migrate onto the site. <i>For example a leaking oil tank on an adjacent site.</i>	None seen	
y) Note the presence of any underground structures, services, mine workings, tunnels etc <i>From a safety point of view for development of the site and also as they may provide contaminant migration routes.</i>	None seen	
z) Note any anecdotal information in past uses of the site. <i>Local street names etc. can provide indicators of past industry or ground problems</i>	Site used to be a plant nursery, no longer present and all structures seem to have been demolished	

WALKOVER SURVEY CHECKLIST Continued

Land west of Arundel Road, Angmering

Features	Description	Photo no.
aa) Description of buildings on site. Is there any evidence of asbestos construction materials, e.g. roofing, insulation materials. Do any of the buildings have basements? Do any of the buildings have a boiler room? (if yes describe fuel type and storage arrangements)	ACM on majority of roofs on site. Generally buildings are run down	7
bb) Identify potential access routes to the site for plant for the site investigation <i>Excavators and drilling rigs may be required for the next stage of the investigation, or if the access is limited window sampling techniques may need to be specified. Note any specific obstructions such as unsafe/unstable ground, protected trees or hedgerows, or protected buildings.</i>	Access off Arundel Road	
cc) Evidence of buried services (water, gas, electricity, telephone, cable, television, pipelines) <i>Both for safety considerations and in the case of water as supply for further investigation. As well as danger, there is the question of considerable expense, which can arise from an inadequate knowledge of the location of buried services. The locations and heights of overhead cables may be important when considering the movement of site equipment.</i>	None seen	

Walkover survey completed

Approved:



Signature

Russell Speight

Name

14/09/2017

Date



APPENDIX D

RISK ASSESSMENT METHODOLOGY



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APPENDIX D

RISK ASSESSMENT METHODOLOGY

CLR11 outlines the framework to be followed for risk assessment in the UK. The framework is designed to be consistent with UK legislation and policies including planning. Under CLR11, three stages of risk assessment exist: preliminary, generic quantitative and detailed quantitative. An outline conceptual model should be formed at the preliminary risk assessment stage that collates all the existing information pertaining to a site in text, tabular or diagrammatic form. The outline conceptual model identifies potentially complete (termed possible) pollutant linkages (contaminant–pathway–receptor) and is used as the basis for the design of the site investigation. The outline conceptual model is updated as further information becomes available, for example as a result of the site investigation.

Production of a conceptual model requires an assessment of risk to be made. Risk is a combination of the likelihood of an event occurring and the magnitude of its consequences. Therefore, both the likelihood and the consequences of an event must be taken into account when assessing risk. RSK has adopted guidance provided in CIRIA C552 for use in the production of conceptual models.

The likelihood of an event can be classified on a four-point system using the following terms and definitions based on CIRIA C552:

- highly likely: the event appears very likely in the short term and almost inevitable over the long term or there is evidence at the receptor of harm or pollution
- likely: it is probable that an event will occur or circumstances are such that the event is not inevitable, but possible in the short term and likely over the long term
- low likelihood: circumstances are possible under which an event could occur, but it is not certain even in the long term that an event would occur and it is less likely in the short term
- unlikely: circumstances are such that it is improbable the event would occur even in the long term.

The severity can be classified using a similar system also based on CIRIA C552. The terms and definitions relating to severity are:

- severe: short term (acute) risk to human health likely to result in 'significant harm' as defined by the Environment Protection Act 1990, Part IIA. Short-term risk of pollution of sensitive water resources. Catastrophic damage to buildings or property. Short-term risk to an ecosystem or organism forming part of that ecosystem (note definition of ecosystem in 'Draft Circular on Contaminated Land', DETR 2000)
- medium: chronic damage to human health ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000), pollution of sensitive water resources, significant change in an ecosystem or organism forming part of that ecosystem
- mild: pollution of non-sensitive water resources. Significant damage to crops, buildings, structures and services ('significant harm' as defined in 'Draft Circular on Contaminated Land', DETR 2000). Damage to sensitive buildings, structures or the environment

- minor: harm, not necessarily significant, but that could result in financial loss or expenditure to resolve. Non-permanent human health effects easily prevented by use of personal protective clothing. Easily repairable damage to buildings, structures and services.

Once the probability of an event occurring and its consequences have been classified, a risk category can be assigned according to the table below.

		Consequences			
		Severe	Medium	Mild	Minor
Probability	Highly likely	Very high	High	Moderate	Moderate/low
	Likely	High	Moderate	Moderate/low	Low
	Low likelihood	Moderate	Moderate/low	Low	Very low
	Unlikely	Moderate/low	Low	Very low	Very low

Definitions of these risk categories are as follows together with an assessment of the further work that may be required:

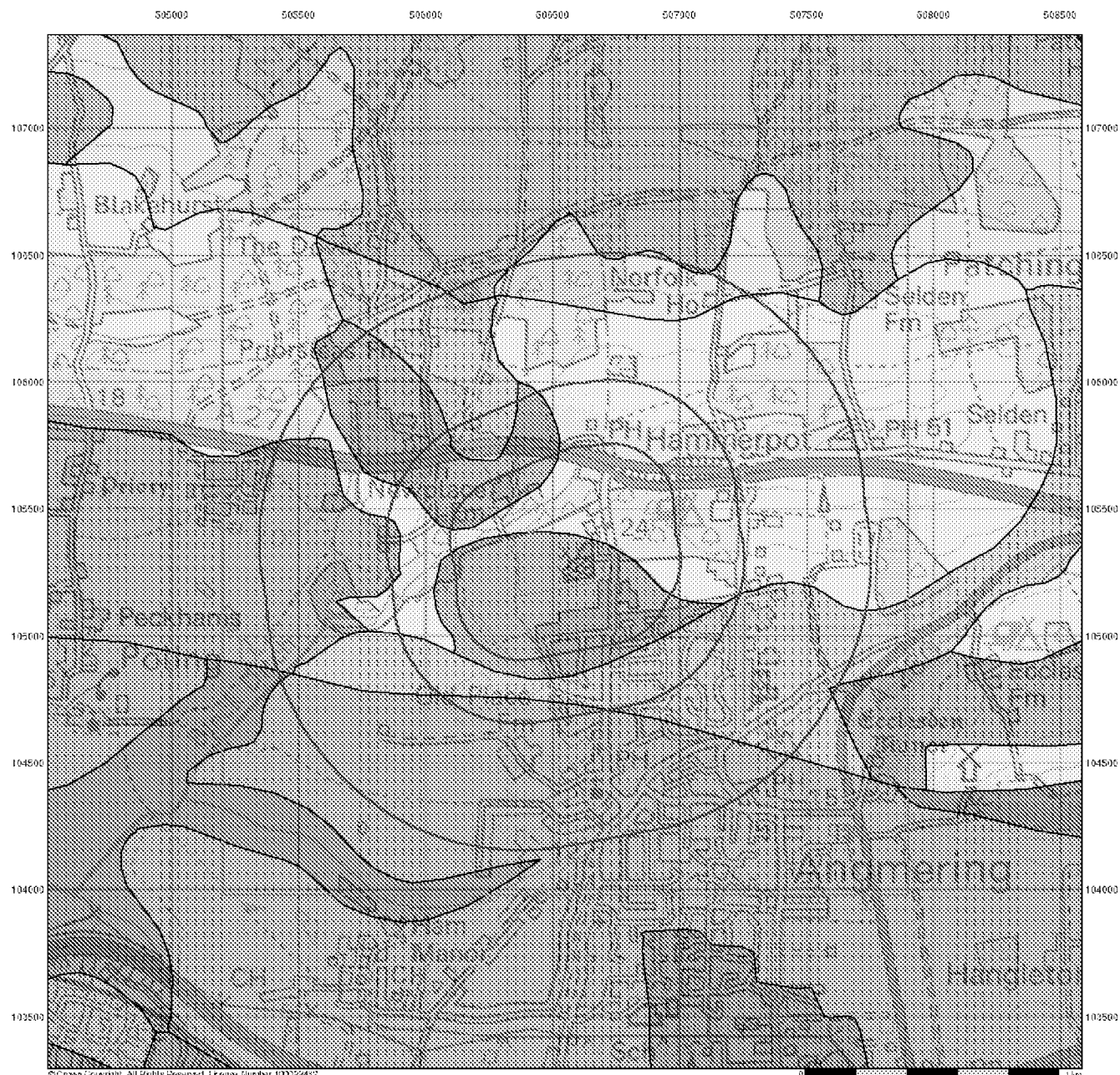
- Very high: there is a high probability that severe harm could occur or there is evidence that severe harm is currently happening. This risk, if realised, could result in substantial liability; urgent investigation and remediation are likely to be required.
- High: harm is likely to occur. Realisation of the risk is likely to present a substantial liability. Urgent investigation is required. Remedial works may be necessary in the short term and are likely over the long term.
- Moderate: it is possible that harm could arise, but it is unlikely that the harm would be severe and it is more likely that the harm would be relatively mild. Investigation is normally required to clarify the risk and determine the liability. Some remedial works may be required in the longer term.
- Low: it is possible that harm could occur, but it is likely that if realised this harm would at worst normally be mild.
- Very low: there is a low possibility that harm could occur and if realised the harm is unlikely to be severe.



APPENDIX E

ENVIROCHECK REPORT

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Groundwater Vulnerability

General

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

Agency and Hydrological

Geological Classes

**Major Aquifer
(Highly Permeable)**

- Soil Classes**
- High (H) 1, 2, 3, U
 - Intermediate (I) 1, 2
 - Low

**Minor Aquifer
(Variably Permeable)**

- High (H) 1, 2, 3, U
- Intermediate (I) 1, 2
- Low

**Non Aquifer
(Negligibly Permeable)**

- Non Aquifer

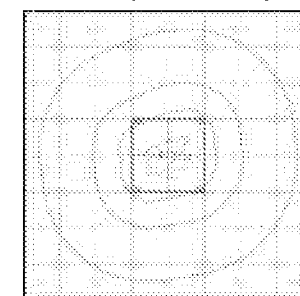
Water or Sea

- Water or Sea

Drift Deposit

- Drift Deposit

Site Sensitivity Context Map - Slice A

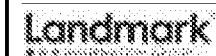


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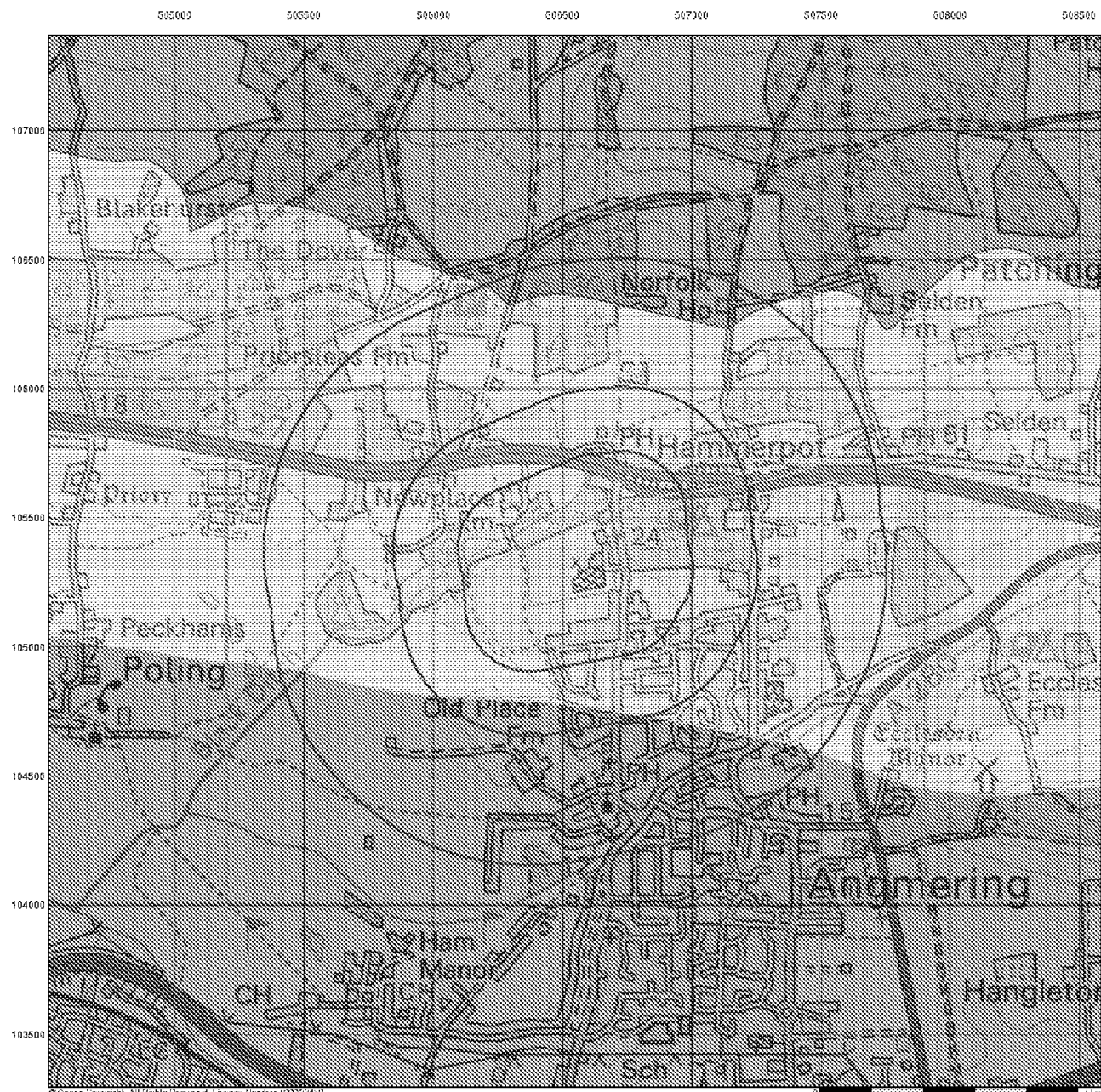
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 Slice: A
 Site Area (Ha): 9.09
 Search Buffer (m): 1000

Site Details

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Bedrock Aquifer Designation

General

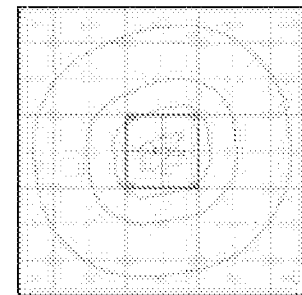
- Specified Site
- Specified Buffer(s)
- Bearing Reference Point
- Slice
- Map ID

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

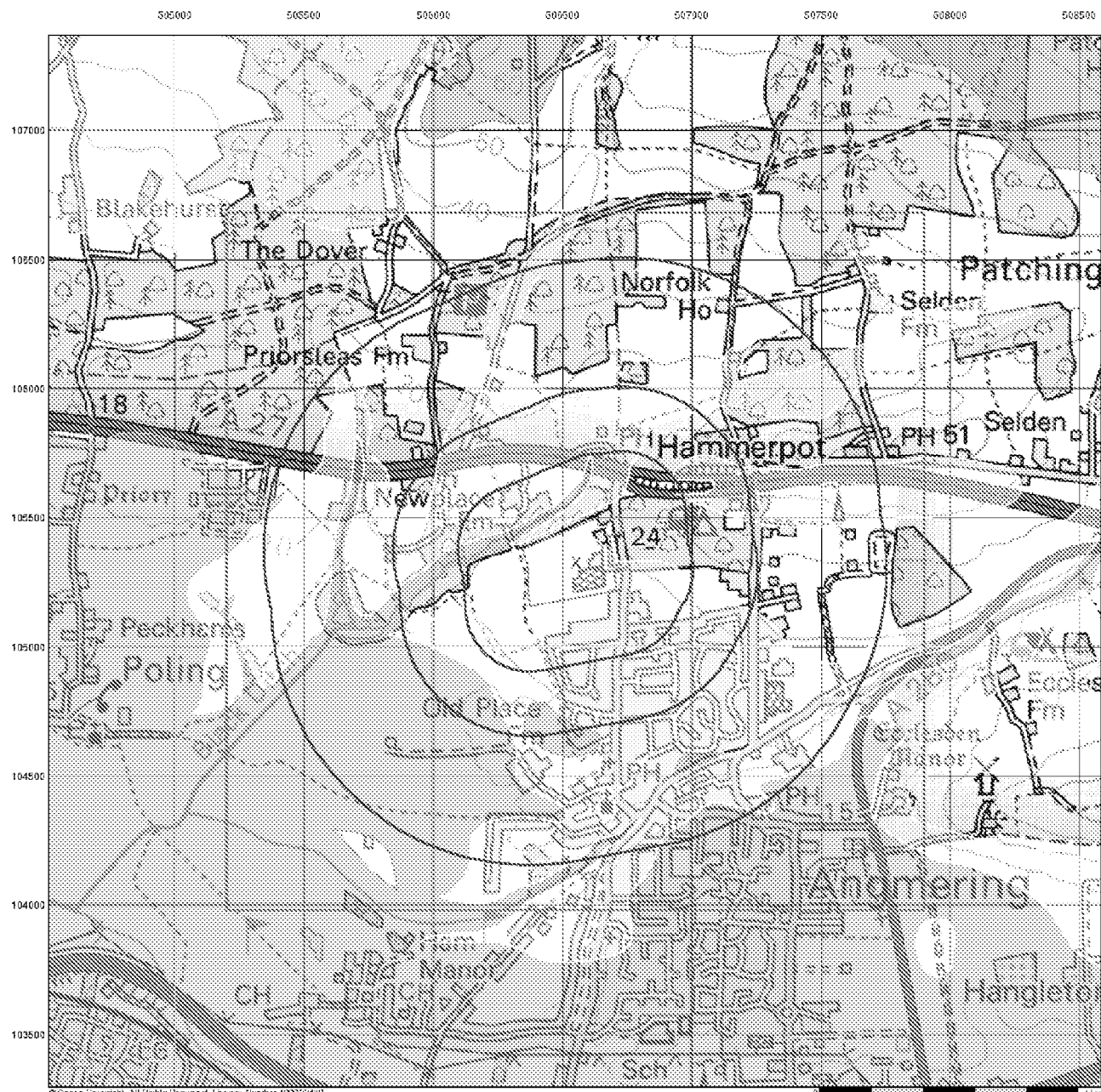
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Superficial Aquifer Designation

General

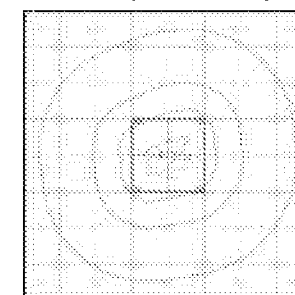
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- Bearing Reference Point
- Slice
- Map ID

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

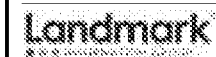


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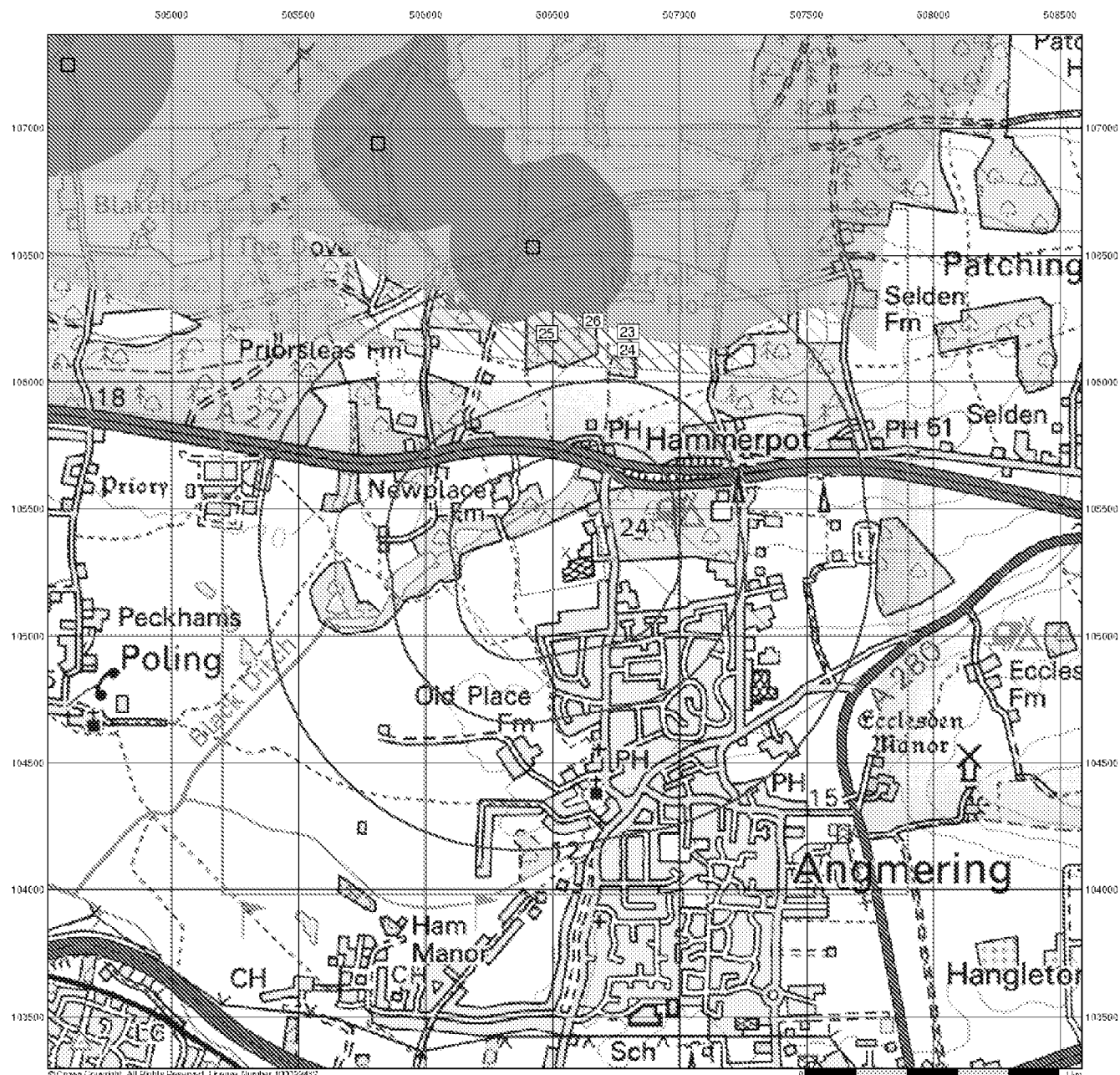
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Source Protection Zones

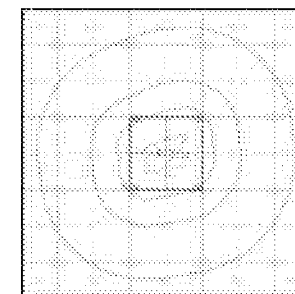
General

- 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)
- Source Protection Zone Borehole

Site Sensitivity Context Map - Slice A

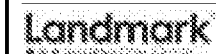


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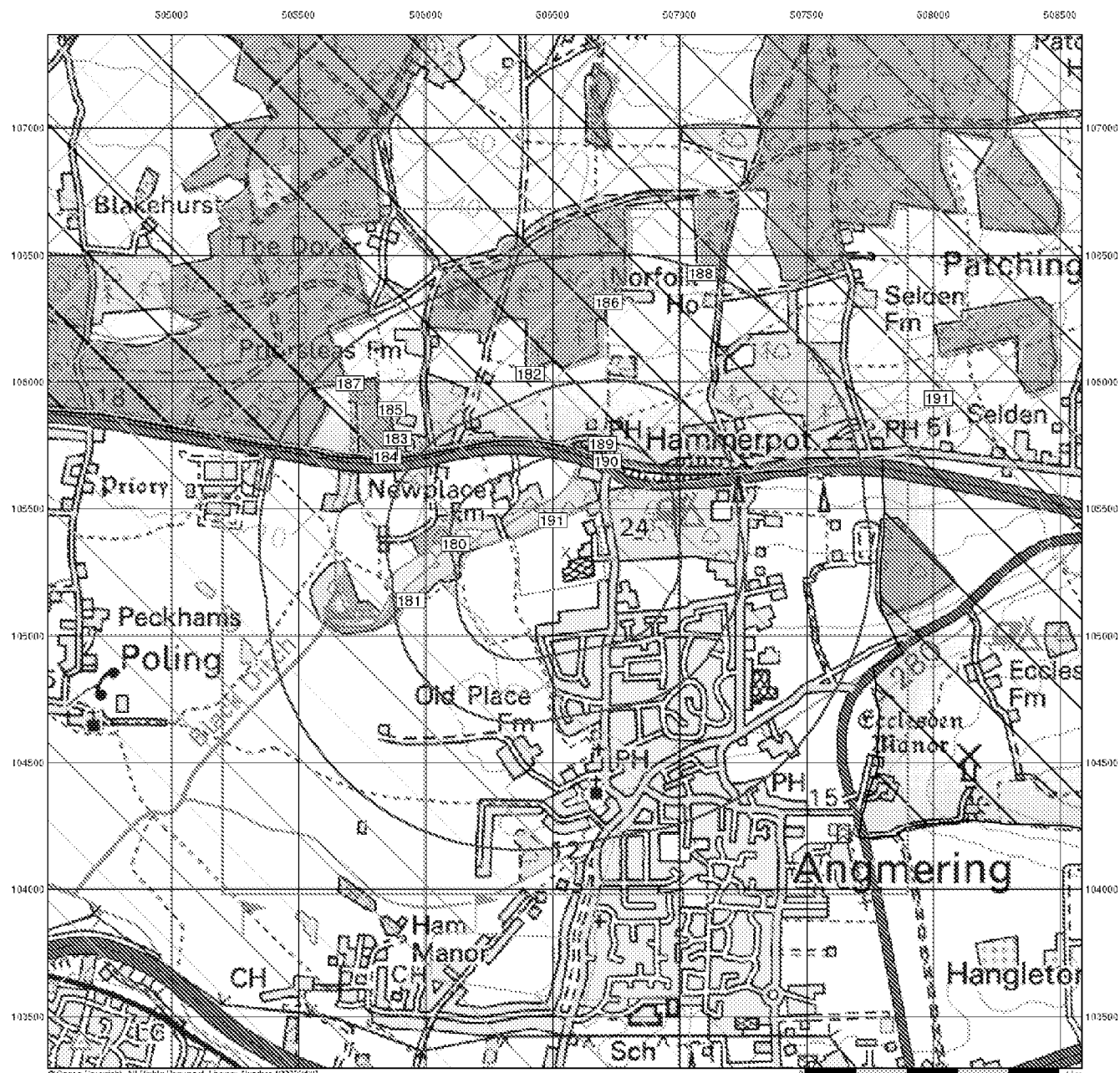
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Sensitive Land Uses

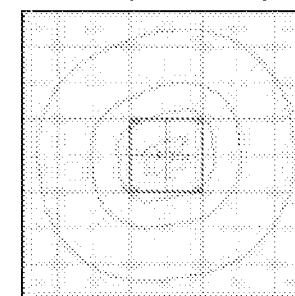
General

- Specified Site
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- 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

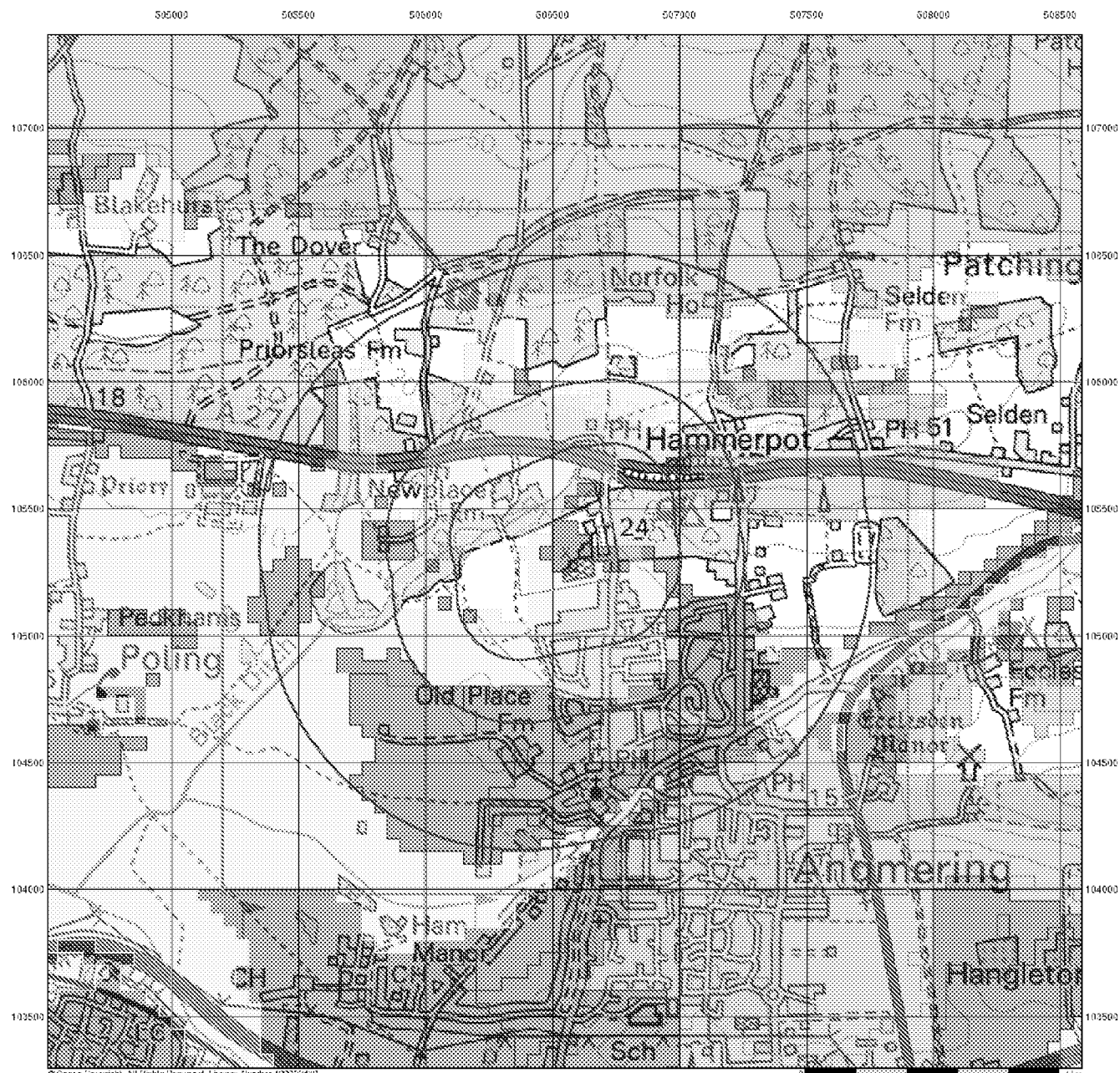
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Site Details

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BGS Flood GFS Data

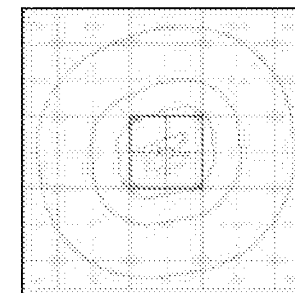
General

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

Agency and Hydrological (Flood)

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

Site Sensitivity Context Map - Slice A

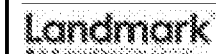


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Datasheet

Order Details:

Order Number:

138190030_1_1

Customer Reference:

301954

National Grid Reference:

506550, 105330

Slice:

A

Site Area (Ha):

9.09

Search Buffer (m):

1000

Site Details:

Green Lodge, Angmering Park

Arundel Road

ANGMERING

BN16 4EX

Client Details:

Mr M Brannock

RSK Environment Ltd

Spring Lodge

172 Chester Road

Helsby

Cheshire

WA6 0AR

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Introduction

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

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

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Report Version v53.0

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Agency & Hydrological					
BGS Groundwater Flooding Susceptibility	pg 1	Yes	Yes	Yes	n/a
Contaminated Land Register Entries and Notices					
Discharge Consents	pg 2		2	2	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 5				3
Local Authority Pollution Prevention and Control Enforcements	pg 6				2
Nearest Surface Water Feature	pg 6		Yes		
Pollution Incidents to Controlled Waters	pg 6				2
Prosecutions Relating to Authorised Processes					
Registered Radioactive Substances					
River Quality	pg 7				1
River Quality Biology Sampling Points					
River Quality Chemistry Sampling Points					
Substantiated Pollution Incident Register					
Water Abstractions	pg 7		1	1	(*27)
Water Industry Act Referrals					
Groundwater Vulnerability	pg 14	Yes	n/a	n/a	n/a
Drift Deposits			n/a	n/a	n/a
Bedrock Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Superficial Aquifer Designations	pg 14	Yes	n/a	n/a	n/a
Source Protection Zones	pg 14				5
Extreme Flooding from Rivers or Sea without Defences	pg 14		Yes	n/a	n/a
Flooding from Rivers or Sea without Defences	pg 15		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 15		13	18	66

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 27				1
Integrated Pollution Control Registered Waste Sites					
Licensed Waste Management Facilities (Landfill Boundaries)					
Licensed Waste Management Facilities (Locations)	pg 27	2			
Local Authority Landfill Coverage	pg 27	2	n/a	n/a	n/a
Local Authority Recorded Landfill Sites	pg 27				1
Potentially Infilled Land (Non-Water)	pg 27				3
Potentially Infilled Land (Water)	pg 28		1	1	3
Registered Landfill Sites	pg 28				1
Registered Waste Transfer Sites					
Registered Waste Treatment or Disposal Sites					
Hazardous Substances					
Control of Major Accident Hazards Sites (COMAH)					
Explosive Sites					
Notification of Installations Handling Hazardous Substances (NIHHS)					
Planning Hazardous Substance Consents					
Planning Hazardous Substance Enforcements					

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 29	Yes	n/a	n/a	n/a
BGS Estimated Soil Chemistry	pg 29	Yes	Yes	Yes	Yes
BGS Recorded Mineral Sites	pg 30				4
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	pg 31				1
Non Coal Mining Areas of Great Britain	pg 31		Yes	n/a	n/a
Potential for Collapsible Ground Stability Hazards	pg 31	Yes	Yes	n/a	n/a
Potential for Compressible Ground Stability Hazards	pg 32		Yes	n/a	n/a
Potential for Ground Dissolution Stability Hazards				n/a	n/a
Potential for Landslide Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Running Sand Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Potential for Shrinking or Swelling Clay Ground Stability Hazards	pg 32	Yes	Yes	n/a	n/a
Radon Potential - Radon Affected Areas	pg 32	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 34	8	2	1	36
Fuel Station Entries					
Points of Interest - Commercial Services	pg 38	8	1	1	15
Points of Interest - Education and Health					
Points of Interest - Manufacturing and Production	pg 40				3
Points of Interest - Public Infrastructure	pg 40		1		3
Points of Interest - Recreational and Environmental	pg 41		2		2
Gas Pipelines					
Underground Electrical Cables					

Data Type	Page Number	On Site	0 to 250m	251 to 500m	501 to 1000m (*up to 2000m)
Sensitive Land Use					
Ancient Woodland	pg 42		1	1	7
Areas of Adopted Green Belt					
Areas of Unadopted Green Belt					
Areas of Outstanding Natural Beauty					
Environmentally Sensitive Areas	pg 42		1		
Forest Parks					
Local Nature Reserves					
Marine Nature Reserves					
National Nature Reserves					
National Parks	pg 42		1		
Nitrate Sensitive Areas					
Nitrate Vulnerable Zones	pg 42		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 (SE)	0	1	506600 105300
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A13SE (E)	0	1	506750 105327
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (N)	0	1	506552 105327
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	14	1	506552 105500
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13NE (N)	49	1	506600 105550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A13SE (E)	98	1	506850 105327
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (E)	148	1	506900 105300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding to Occur at Surface	A13SE (S)	156	1	506552 105000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (SW)	182	1	506200 105100
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A12SE (W)	196	1	506150 105327
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14NW (NE)	266	1	506950 105650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	273	1	506100 105150
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	278	1	507000 105550
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	304	1	506050 105300
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A19SW (NE)	335	1	507000 105700
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A14NW (NE)	354	1	507050 105650
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (S)	356	1	506500 104800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A8NW (SW)	364	1	506300 104800
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A14SW (SE)	364	1	507000 105000
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A12SE (W)	394	1	505950 105327
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	420	1	506150 104800
	BGS Groundwater Flooding Susceptibility Flooding Type: Limited Potential for Groundwater Flooding to Occur	A8NE (S)	467	1	506750 104750

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A7NE (SW)	483	1	506000 104850
	BGS Groundwater Flooding Susceptibility Flooding Type: Potential for Groundwater Flooding of Property Situated Below Ground Level	A18SW (N)	487	1	506450 105950
1	Discharge Consents Operator: Mr A F Mariner Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Furzeffield Farm Poling Furzeffield, Arundel Road, Hammerpot, West Sussex, Bn16 4? Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P12097 Permit Version: 2 Effective Date: 21st December 2012 Issued Date: 21st December 2012 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of Black Ditch Status: Varied under EPR 2010 Positional Accuracy: Located by supplier to within 10m	A13SE (E)	51	2	506800 105280
1	Discharge Consents Operator: Mr A F Mariner Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Furzeffield Farm Poling Furzeffield, Arundel Road, Hammerpot, West Sussex, Bn16 4? Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P12097 Permit Version: 1 Effective Date: 24th May 2004 Issued Date: 24th May 2004 Revocation Date: 20th December 2012 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of Black Ditch 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	A13SE (E)	51	2	506800 105280
2	Discharge Consents Operator: Mr Peter John Gayler Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Southview Hammerpot Angmering Southview, Hammerpot, Angmering, Littlehampton, West Sussex, Bn16 4eu Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P13208 Permit Version: 1 Effective Date: 16th October 2007 Issued Date: 16th October 2007 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Black Ditch 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	A18SE (N)	254	2	506610 105750
3	Discharge Consents Operator: Mr J R Hall Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: The Old Cottage, Hammerpot, Angmering, West Sussex, Bn16 4fu Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P04787 Permit Version: 1 Effective Date: 23rd April 1993 Issued Date: 23rd April 1993 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A18SE (N)	302	2	506650 105800

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
4	Discharge Consents Operator: St Bamabas Hospices (Sussex) Limited Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Chestnut Tree House Childrens Hospice, Dover Lane, Poling, West Sussex, Bn18 9px Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P10861 Permit Version: 1 Effective Date: 17th July 2003 Issued Date: 17th July 2003 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Unnamed Trib Of River Arun 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)	517	2	506020 105780
5	Discharge Consents Operator: Mr & Mrs Adams Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Woodlands, Dappers Lane, Angmering Woodlands, Dappers Lane, Angmering, West Sussex, Bn16 4en Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P12063 Permit Version: 1 Effective Date: 29th April 2004 Issued Date: 29th April 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. Black Ditch 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	A14SE (E)	527	2	507270 105200
6	Discharge Consents Operator: Mr Alan And Mrs Rudkin Blair Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Greenways, Dappers Lane, Angmering, West Sussex, Bn16 4en Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: Npswqd008029 Permit Version: 1 Effective Date: 3rd June 2009 Issued Date: 3rd June 2009 Revocation Date: Not Supplied Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Freshwater Stream/River Environment: Receiving Water: Tributary Of Black Ditch 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	A14SE (E)	562	2	507266 105072
7	Discharge Consents Operator: Linkstone Construction Ltd. Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: Southdowns & Perryhill, Greenacres Ring, Angmering, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P03266 Permit Version: 1 Effective Date: 15th November 1990 Issued Date: 15th November 1990 Revocation Date: 31st March 1997 Discharge Type: Sewage Discharges - Final/Treated Effluent - Not Water Company Discharge: Into Land Environment: Receiving Water: Into Land Status: Lapsed (under Environment Act 1995, Schedule 23) Positional Accuracy: Located by supplier to within 100m	A9NW (SE)	600	2	506930 104660

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
8	Discharge Consents Operator: Southern Water Services Ltd Property Type: Not Given Location: Aylesford Sewage Disposal, AYLESFORD, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: PP38/18 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Treated Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	690	2	507300 105890
9	Discharge Consents Operator: Mr Anthony Perella Property Type: DOMESTIC PROPERTY (SINGLE) (INCL FARM HOUSE) Location: New Build, Acre Nursery, Angmering New Build, The Acre Nursery, Dapper Lane, Angmering, West Sussex, BN16 4en Authority: Environment Agency, Southern Region Catchment Area: Adur Estuary & Freshwater Tributaries Reference: P12474 Permit Version: 1 Effective Date: 5th October 2005 Issued Date: 5th October 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	A9NE (SE)	721	2	507346 104882
10	Discharge Consents Operator: Dover Farms Property Type: DOMESTIC PROPERTY (MULTIPLE) (INCL FARM HOUSES) Location: Priors Leas Cottages, The Dover, Poling West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02850 Permit Version: 1 Effective Date: 4th April 1990 Issued Date: 4th April 1990 Revocation Date: Not Supplied Discharge Type: Non Water Company (Private) Sewage Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A17NE (NW)	815	2	506010 106120
11	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Outlet At Angmering Green, Angmering, Nr Littlehampton, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01200 Permit Version: 1 Effective Date: 30th August 1957 Issued Date: 30th August 1957 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow 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	A8SE (S)	895	2	506780 104320

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
11	Discharge Consents Operator: Southern Water Services Ltd (S) Property Type: STORM TANK/CSO ON SEWERAGE NETWORK (WATER COMPANY) Location: Angmering Green, Angmering, Littlehampton West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: S01771 Permit Version: 1 Effective Date: 7th February 1969 Issued Date: 7th February 1969 Revocation Date: Not Supplied Discharge Type: Public Sewage: Storm Sewage Overflow 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	A3NE (S)	904	2	506770 104310
12	Discharge Consents Operator: Brian John Wesson Property Type: Undefined Or Other Location: Lower Avenals Farm, Water Lane, Angmering, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: P02921 Permit Version: 1 Effective Date: 25th April 1990 Issued Date: 25th April 1990 Revocation Date: Not Supplied Discharge Type: Non Water Company (Private) Sewage Discharge: Freshwater Stream/River Environment: Receiving Water: Freshwater River Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A9SE (SE)	919	2	507380 104590
13	Discharge Consents Operator: Smithkline Beecham Pharm. Plc Property Type: Undefined Or Other Location: Clarendon Road, Worthing, West Sussex Authority: Environment Agency, Southern Region Catchment Area: Old-unknown river Reference: P01305 Permit Version: 3 Effective Date: 30th November 1995 Issued Date: 1st April 1991 Revocation Date: 22nd February 1996 Discharge Type: Trade Discharge - Process Water Discharge: Coastal Environment: Receiving Water: Coastal Status: Post National Rivers Authority Legislation where issue date > 31/08/1989 Positional Accuracy: Located by supplier to within 100m	A7SW (SW)	952	2	505600 104600
14	Discharge Consents Operator: Southern Water Services Ltd Property Type: Not Given Location: Ewhurst Lane Pumping Station, Hildenborough, TONBRIDGE, Kent Authority: Environment Agency, Southern Region Catchment Area: Not Given Reference: PC(A)72/K20/76 Permit Version: Not Supplied Effective Date: Not Supplied Issued Date: 1st April 1991 Revocation Date: Not Supplied Discharge Type: Sewage Effluent Discharge-Storm Effluent Discharge: Freshwater Stream/River Environment: Receiving Water: Not Supplied Status: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6NE (W)	973	2	505440 104880
15	Local Authority Pollution Prevention and Controls Name: Arundel Road Garage Location: Arundel Road Garage, Arundel Road, Angmering, LITTLEHAMPTON, West Sussex, BN16 4JZ Authority: Arun District Council, Environmental Health Department Permit Reference: 1867 Dated: 15th February 1992 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation certificate surrendered by operatorSurrendered Positional Accuracy: Automatically positioned to the address	A8SE (S)	626	3	506757 104590

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
16	Local Authority Pollution Prevention and Controls Name: Chandlers Garage (Worthing) Ltd Location: B M W House, Water Lane, Angmering, LITTLEHAMPTON, West Sussex, BN16 4EH Authority: Arun District Council, Environmental Health Department Permit Reference: 1869 Dated: 13th December 1995 Process Type: Local Authority Pollution Prevention and Control Description: PG6/34 Respraying of road vehicles Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	3	506925 104447
16	Local Authority Pollution Prevention and Controls Name: Chandlers Garage (Worthing) Ltd Location: B M W House, Water Lane, Angmering, LITTLEHAMPTON, West Sussex, BN16 4EH Authority: Arun District Council, Environmental Health Department Permit Reference: 1870 Dated: 4th November 1991 Process Type: Local Authority Air Pollution Control Description: PG1/1Waste oil burners, less than 0.4MW net rated thermal input Status: Authorisation revokedRevoked Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	3	506925 104447
17	Local Authority Pollution Prevention and Control Enforcements Location: B M W House, Water Lane, Angmering, Littlehampton, West Sussex, Bn16 4eh Type: Air Pollution Control Enforcement Notice Reference: EPA/2/95 Date Issued: 21st May 2001 Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	3	506925 104447
17	Local Authority Pollution Prevention and Control Enforcements Location: B M W House, Water Lane, Angmering, Littlehampton, West Sussex, Bn16 4eh Type: Air Pollution Control Enforcement Notice Reference: WOB/2/91 Date Issued: 6th April 2000 Enforcement Date: Not Supplied Details: Not Supplied Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	3	506925 104447
	Nearest Surface Water Feature	A13NW (NW)	30	-	506416 105473
18	Pollution Incidents to Controlled Waters Property Type: Other Transport Location: A27 At Hammerpot, ARUNDEL Authority: Environment Agency, Southern Region Pollutant: Oils - Other Oil Note: R T A Involving Chemicals; Road (Road Traffic Accident) Incident Date: 15th March 1995 Incident Reference: 1253 Catchment Area: Not Given Receiving Water: Not Given Cause of Incident: Industrial Chemicals Incident Severity: Category 3 - Minor Incident Positional Accuracy: Located by supplier to within 100m	A19SE (NE)	750	2	507450 105700
19	Pollution Incidents to Controlled Waters Property Type: Natural Sources Location: Avenals Barn, Water Lane, ANGMERING Authority: Environment Agency, Southern Region Pollutant: No Pollutant Note: Not Supplied Incident Date: 8th August 1999 Incident Reference: 2646 Catchment Area: Arun Receiving Water: Potential River Cause of Incident: Other Cause Incident Severity: Category 2 - Significant Incident Positional Accuracy: Approximate location provided by supplier	A9SE (SE)	855	2	507300 104600

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	River Quality Name: Black Ditch GQA Grade: River Quality D Reach: Tidal R. Arun - Clapham Stw Estimated Distance (km): 8.2 Flow Rate: Flow less than 0.31 cumecs Flow Type: River Year: 2000	A9SW (SE)	761	2	507044 104533
20	Water Abstractions Operator: Richard J Pierce Licence Number: 2/136A Permit Version: Not Supplied Location: Paris Farm, HADLOW Authority: Environment Agency, Southern Region Abstraction: Spray Irrigation Abstraction Type: Not Supplied Source: Spring Daily Rate (m3): 727 Yearly Rate (m3): 9092 Details: Additional Purpose: Spray Irrigation 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	A13SW (SW)	25	2	506420 105140
21	Water Abstractions Operator: Mr K Langmead Licence Number: 10/41/414103 Permit Version: 100 Location: Decoy Cottage Poling 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: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 27th October 1980 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A12NW (W)	480	2	505870 105450
	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 10/41/310210 Permit Version: 101 Location: Angmering Ps Point 2 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: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th December 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A23SW (N)	1029	2	506400 106500
	Water Abstractions Operator: Southern Water Services Plc Licence Number: 10/41/310210 Permit Version: 100 Location: Angmering Ps Point 2 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th January 2000 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A23SW (N)	1029	2	506400 106500

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr K Langmead Licence Number: 10/41/414024 Permit Version: 103 Location: Former Darlington Mushroom Site Poling Point 2 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th May 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1099	2	505260 105560
	Water Abstractions Operator: Mr M Coleman Licence Number: 10/41/414024 Permit Version: 102 Location: Former Darlington Mushroom Site Poling Point 2 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1099	2	505260 105560
	Water Abstractions Operator: Mr M Coleman Licence Number: 10/41/414024 Permit Version: 101 Location: Former Darlington Mushroom Site Poling Point 2 Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NE (W)	1099	2	505260 105560
	Water Abstractions Operator: Blue Prince Mushrooms Ltd Licence Number: 10/41/414024 Permit Version: 100 Location: Former Darlington Mushroom Site Poling Point 2 Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th February 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NE (W)	1099	2	505260 105560

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: F W Longhurst & Son Ltd Licence Number: 24/066 Permit Version: 100 Location: Old Place Farm 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: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A6SE (SW)	1157	2	505370 104580
	Water Abstractions Operator: F W Longhurst & Son Ltd Licence Number: 24/066 Permit Version: 100 Location: Old Place Farm 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: See Licence Map 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	A6SE (SW)	1157	2	505370 104580
	Water Abstractions Operator: Rustington Golf Centre Ltd Licence Number: 10/41/414021 Permit Version: 101 Location: Black Ditch At Ham Manor Farm Rustington Authority: Environment Agency, Southern Region Abstraction: Golf Courses: Spray Irrigation - Storage 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 November Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1225	2	505620 104190
	Water Abstractions Operator: Rustington Golf Centre Ltd Licence Number: 10/41/414021 Permit Version: 101 Location: Black Ditch At Ham Manor Farm Rustington Authority: Environment Agency, Southern Region Abstraction: Golf Courses: 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: See Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1225	2	505620 104190

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Rustington Golf Centre Ltd Licence Number: 10/41/414021 Permit Version: 100 Location: Black Ditch At Ham Manor Farm Rustington Authority: Environment Agency, Southern Region Abstraction: Golf Courses: 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: See Licence Map. Authorised Start: 01 April Authorised End: 31 October Permit Start Date: 4th July 1996 Permit End Date: 31st December 2001 Positional Accuracy: Located by supplier to within 10m	A2NW (SW)	1225	2	505620 104190
	Water Abstractions Operator: Rustington Golf Centre Ltd Licence Number: 10/41/414021 Permit Version: 100 Location: Black Ditch At Ham Manor Farm Rustington Authority: Environment Agency, Southern Region Abstraction: Golf Courses: 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): 1500 Yearly Rate (m3): 2500 Details: See Licence Map. Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 4th July 1996 Permit End Date: 31st December 2001 Positional Accuracy: Unknown	A2NW (SW)	1225	2	505620 104190
	Water Abstractions Operator: Mr K Langmead Licence Number: 10/41/414024 Permit Version: 103 Location: Former Darlington Mushroom Site Poling Point 1 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th May 2011 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1328	2	505030 105570
	Water Abstractions Operator: Mr M Coleman Licence Number: 10/41/414024 Permit Version: 102 Location: Former Darlington Mushroom Site Poling Point 1 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: Not Supplied Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 8th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1328	2	505030 105570

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Mr M Coleman Licence Number: 10/41/414024 Permit Version: 101 Location: Former Darlington Mushroom Site Poling Point 1 Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 28th November 2003 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A11NW (W)	1328	2	505030 105570
	Water Abstractions Operator: Blue Prince Mushrooms Ltd Licence Number: 10/41/414024 Permit Version: 100 Location: Former Darlington Mushroom Site Poling Point 1 Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): 364 Yearly Rate (m3): 59098 Details: See Licence Map Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 20th February 1991 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A11NW (W)	1328	2	505030 105570
	Water Abstractions Operator: Mr K Langmead Licence Number: 24/068/R01 Permit Version: 1 Location: Side Channel Of The Black Ditch At Manor Farm Poling Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 1st April 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	1333	2	505164 104596
	Water Abstractions Operator: Keith Langmead Ltd Licence Number: 24/068 Permit Version: 1 Location: Side Channel Of The Black Ditch At Manor Farm Poling Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	1333	2	505164 104596

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Keith Langmead Ltd Licence Number: 24/068 Permit Version: 1 Location: Side Channel Of The Black Ditch At Manor Farm Poling Authority: Environment Agency, Southern Region Abstraction: General Agriculture: Spray Irrigation - Storage Abstraction Type: Water may be abstracted from a single point Source: Surface Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Not Supplied Authorised Start: 01 November Authorised End: 31 March Permit Start Date: 16th June 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 10m	A6SW (SW)	1339	2	505160 104590
	Water Abstractions Operator: Ham Manor Golf Club Ltd Licence Number: 10/41/414009 Permit Version: 100 Location: Black Ditch At Ham Manor Golf Club Authority: Environment Agency, Southern Region Abstraction: Golf Courses: 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: See Licence Map. Authorised Start: 01 April Authorised End: 30 September Permit Start Date: 31st March 2016 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A2SW (SW)	1363	2	505870 103890
	Water Abstractions Operator: Fresh Acres Nurseries Ltd Licence Number: 10/41/414018 Permit Version: 100 Location: Fresh Acres Nurseries Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 19th July 1967 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A4SW (S)	1462	2	507140 103820
	Water Abstractions Operator: A Natale Licence Number: 24/057 Permit Version: Not Supplied Location: Roundstone Lane, ANGMERING Authority: Environment Agency, Southern Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 57 Yearly Rate (m3): 11400 Details: H5 Chalk 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	A4SW (S)	1512	2	507030 103740

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: L Bilotti Licence Number: 24/058 Permit Version: Not Supplied Location: Roundstone Lane, ANGMERING Authority: Environment Agency, Southern Region Abstraction: Agriculture (General) Abstraction Type: Not Supplied Source: Groundwater Daily Rate (m3): 57 Yearly Rate (m3): 11400 Details: H5 Chalk 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	A4SW (S)	1517	2	507030 103735
	Water Abstractions Operator: Southern Water Services Ltd Licence Number: 10/41/310210 Permit Version: 101 Location: Angmering Ps Point 1 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): 4000 Yearly Rate (m3): 1464000 Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 11th December 2009 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	A22NW (NW)	1637	2	505850 106945
	Water Abstractions Operator: Southern Water Services Plc Licence Number: 10/41/310210 Permit Version: 100 Location: Angmering Ps Point 1 Authority: Environment Agency, Southern Region Abstraction: Public Water Supply: General Use (Medium Loss) Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: See Licence Map Authorised Start: 01 January Authorised End: 31 December Permit Start Date: 18th January 2000 Permit End Date: Not Supplied Positional Accuracy: Unknown	A22NW (NW)	1642	2	505850 106950
	Water Abstractions Operator: Mr K Langmead Licence Number: 10/41/414013 Permit Version: 100 Location: Manor Farm Poling 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: Land & Buildings At Manor Farm, Poling Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 2nd April 1987 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(W)	1807	2	504630 104680

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Water Abstractions Operator: Van Heyningen Bros. Ltd Licence Number: 10/41/414002 Permit Version: 100 Location: West End Nurseries Authority: Environment Agency, Southern Region Abstraction: Agriculture: Horticultural Watering Abstraction Type: Water may be abstracted from a single point Source: Groundwater Daily Rate (m3): Not Supplied Yearly Rate (m3): Not Supplied Details: Land And Buildings At West End Nurseries, Roundstone Lane, East Preston Authorised Start: 01 April Authorised End: 31 March Permit Start Date: 11th January 1966 Permit End Date: Not Supplied Positional Accuracy: Located by supplier to within 100m	(SE)	1881	2	507540 103530
	Groundwater Vulnerability Soil Classification: Soils of High Leaching Potential (H1) - Soils which readily transmit liquid discharges because they are either shallow, or susceptible to rapid by-pass flow directly to rock, gravel or groundwater Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13SE (N)	0	2	506552 105327
	Groundwater Vulnerability Soil Classification: Soils of Low Leaching Potential - Soils in which pollutants are unlikely to penetrate the soil layer because water movement is largely horizontal or they have large ability to attenuate diffuse pollutants. Lateral flow from these soils contribute to groundwater recharge elsewhere in the catchment Map Sheet: Sheet 45 West Sussex and Surrey Scale: 1:100,000	A13NE (N)	0	2	506558 105400
	Drift Deposits None				
	Bedrock Aquifer Designations Aquifer Designation: Unproductive Strata	A13SE (N)	0	1	506552 105327
	Superficial Aquifer Designations Aquifer Designation: Secondary Aquifer - Undifferentiated	A13SE (N)	0	1	506552 105327
22	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.	A18NE (N)	548	2	506589 106063
23	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone II (Outer Protection Zone): Either 25% of the source area or a 400 day travel time whichever is greater.	A18NE (N)	683	2	506798 106197
24	Source Protection Zones Name: Various Source: Environment Agency, Head Office Reference: Not Supplied Type: Zone III (Total Catchment): The total area needed to support the discharge from the protected groundwater source.	A18NE (N)	683	2	506798 106197
25	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.	A18NW (N)	710	2	506480 106192
26	Source Protection Zones Name: Various 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.	A18NE (N)	737	2	506661 106241
	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	A13NW (NW)	48	2	506400 105480

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Extreme Flooding from Rivers or Sea without Defences Type: Extent of Extreme Flooding from Rivers or Sea without Defences Flood Plain Type: Fluvial Models Boundary Accuracy: As Supplied	A12NE (W)	244	2	506100 105365
	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	A12NE (W)	249	2	506095 105355
	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	A13NW (NW)	48	2	506400 105480
	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	A12NE (W)	249	2	506095 105355
	Areas Benefiting from Flood Defences None				
	Flood Water Storage Areas None				
	Flood Defences None				
27	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 203.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	54	4	506460 105508
28	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (W)	55	4	506312 105422
29	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 51.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (W)	55	4	506312 105422
30	OS Water Network Lines Watercourse Form: Marsh Watercourse Length: 37.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (W)	64	4	506291 105413
31	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.1 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (N)	82	4	506486 105526
32	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 322.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (N)	84	4	506490 105529

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
33	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 217.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (W)	88	4	506258 105395
34	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 2.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	103	4	506306 105473
35	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 61.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	106	4	506305 105475
36	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 127.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13SE (S)	146	4	506584 105046
37	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NW (NW)	168	4	506281 105532
38	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NE (NE)	180	4	506812 105665
39	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 231.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A13NE (NE)	181	4	506813 105665
40	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 18.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (N)	257	4	506606 105753
41	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 92.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (N)	257	4	506625 105755



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
42	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 95.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	278	4	506070 105331
43	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 40.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 2	A12SE (W)	278	4	506070 105331
44	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 254.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NW (E)	283	4	507015 105413
45	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 145.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	299	4	506053 105449
46	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 11.4 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	303	4	506049 105447
47	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 14.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	314	4	506031 105338
48	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	314	4	506031 105352
49	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	314	4	506038 105446
50	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 50.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (W)	315	4	506031 105338

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
51	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 418.8 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A18SE (N)	320	4	506671 105823
52	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 162.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	353	4	506001 105297
53	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 10.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (NW)	360	4	506053 105590
54	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 75.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NE (NW)	366	4	506054 105600
55	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 160.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	435	4	506102 105738
56	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 78.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	474	4	505897 105172
57	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 71.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SE (W)	491	4	505890 105068
58	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 15.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	509	4	506025 105774
59	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 34.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	517	4	505857 105114

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
60	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 121.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	520	4	505944 105710
61	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	523	4	506022 105789
62	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	529	4	506020 105795
63	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 85.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	538	4	505840 105084
64	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 88.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 2	A12SW (W)	538	4	505840 105084
65	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 164.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14NE (E)	554	4	507285 105474
66	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 113.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	566	4	507068 105958
67	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 5.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	569	4	506018 105843
68	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 266.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SE (NW)	573	4	506019 105848

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
69	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 107.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NW (NW)	585	4	505833 105661
70	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 6.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	613	4	505769 105053
71	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 23.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	615	4	507157 105946
72	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 2	A12SW (W)	617	4	505765 105056
73	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 27.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 2	A12SW (W)	617	4	505765 105056
74	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 20.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	618	4	505763 105055
75	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 54.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	633	4	505741 105115
76	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	634	4	505746 105058
77	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: Rother and Arun Primacy: 1	A12SW (W)	634	4	505746 105058



Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
78	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 11.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	638	4	507169 105966
79	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	638	4	505796 105704
80	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 16.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	638	4	505744 105050
81	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	649	4	507179 105971
82	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 49.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	650	4	505727 105085
83	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 65.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	654	4	505727 105050
84	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 320.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NW (W)	655	4	505711 105543
85	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 14.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	662	4	505715 105090
86	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 48.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	662	4	505713 105100

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
87	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 115.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	664	4	505722 105025
88	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 56.2 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SW (NE)	675	4	507213 105975
89	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 8.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NW (W)	677	4	505726 105653
90	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 13.5 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NW (W)	682	4	505718 105650
91	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 80.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	688	4	505661 105302
92	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 24.3 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NW (W)	688	4	505718 105663
93	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 32.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	689	4	505684 105125
94	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 57.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	690	4	505684 105121
95	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 4.9 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	694	4	505659 105266

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
96	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 50.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12NW (W)	694	4	505651 105345
97	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 206.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	696	4	505658 105262
98	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 72.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	696	4	505673 105195
99	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 22.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	696	4	505721 105687
100	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 110.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14SE (E)	697	4	507446 105239
101	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 35.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 2	A12SW (W)	700	4	505672 105150
102	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 280.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	703	4	505724 105710
103	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 114.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (NW)	703	4	505724 105710
104	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 68.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	715	4	505664 105062

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
105	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 420.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A19SE (NE)	722	4	507269 105983
106	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	726	4	505648 105127
107	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 544.6 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A9SW (SE)	759	4	506987 104511
108	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 1.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	767	4	505615 105038
109	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 414.7 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	769	4	505614 105037
110	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	769	4	505614 105037
111	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 371.0 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A12SW (W)	784	4	505594 105070
112	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 39.9 Watercourse Level: Underground Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A14SE (E)	804	4	507555 105253
113	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 204.4 Watercourse Level: Not Supplied Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17SW (W)	808	4	505609 105714

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
114	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 179.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A9SE (SE)	814	4	507227 104589
115	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 165.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A15NW (E)	839	4	507591 105332
116	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 50.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A9SE (SE)	868	4	507348 104631
117	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 60.6 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17NE (NW)	874	4	505896 106128
118	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 336.1 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A3NE (S)	898	4	506780 104318
119	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 38.4 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A9SE (SE)	901	4	507384 104621
120	OS Water Network Lines Watercourse Form: Lake Watercourse Length: 12.2 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A9SE (SE)	901	4	507384 104621
121	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 291.9 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A9NE (SE)	902	4	507421 104665
122	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 26.3 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A17NW (NW)	906	4	505832 106125



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Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
123	OS Water Network Lines Watercourse Form: Inland river Watercourse Length: 294.8 Watercourse Level: On ground surface Permanent: True Watercourse Name: Not Supplied Catchment Name: Rother and Arun Primacy: 1	A11NE (W)	971	4	505373 105388

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
124	Historical Landfill Sites Licence Holder: Not Supplied Location: Angmering, Sussex Name: Swillage Lane Operator Location: Not Supplied Boundary Accuracy: As Supplied Provider Reference: EAHLD19965 First Input Date: 31st December 1950 Last Input Date: 31st December 1965 Specified Waste: Deposited Waste included Inert, Commercial and Household Waste Type: EA Waste Ref: 0 Regis Ref: Not Supplied WRC Ref: 3800/8214 BGS Ref: Not Supplied Other Ref: WD27/012	A19NW (NE)	928	2	507177 106319
125	Licensed Waste Management Facilities (Locations) Licence Number: 10135 Location: New Place Nursery, Arundel Road, Angmering, West Sussex, BN16 4ET Operator Name: Macaree Stephen Operator Location: Not Supplied Authority: Environment Agency - South East Region, Solent & South Downs Area Site Category: End of Life Vehicles Licence Status: Surrendered Issued: 5th July 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: 2nd June 2014 IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (E)	0	2	506590 105320
125	Licensed Waste Management Facilities (Locations) Licence Number: 10134 Location: Unit 9, Arundel Road, Angmering, West Sussex, BN16 4ET Operator Name: Hills Colin Operator Location: Not Supplied Authority: Environment Agency - Southern Region, Sussex Area Site Category: End of Life Vehicles Licence Status: Expired Issued: 2nd June 2004 Last Modified: Not Supplied Expires: Not Supplied Suspended: Not Supplied Revoked: Not Supplied Surrendered: Not Supplied IPPC Reference: Not Supplied Positional Accuracy: Located by supplier to within 10m	A13SE (E)	0	2	506580 105330
	Local Authority Landfill Coverage Name: Arun District Council - Has no landfill data to supply		0	5	506552 105327
	Local Authority Landfill Coverage Name: West Sussex County Council - Has supplied landfill data		0	6	506552 105327
126	Local Authority Recorded Landfill Sites Location: Dappers Lane, Angmering Reference: A/9/94 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	A14NE (E)	755	6	507500 105400
127	Potentially Infilled Land (Non-Water) Bearing Ref: NE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1977	A19NW (NE)	742	-	507077 106162
128	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1976	A9NE (SE)	778	-	507274 104683
129	Potentially Infilled Land (Non-Water) Bearing Ref: SE Use: Unknown Filled Ground (Pit, quarry etc) Date of Mapping: 1976	A9SW (SE)	848	-	506966 104406

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
130	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1938	A13NW (W)	41	-	506312 105402
131	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A18SE (N)	273	-	506585 105767
132	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A14SE (E)	587	-	507338 105265
133	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1962	A9SE (SE)	767	-	507230 104654
134	Potentially Infilled Land (Water) Use: Unknown Filled Ground (Pond, marsh, river, stream, dock etc) Date of Mapping: 1943	A9SE (SE)	882	-	507386 104653
135	Registered Landfill Sites Licence Holder: John Jones (Excavation) Ltd Licence Reference: WSX/L1/0096 Site Location: Dappers Lane, Patching, Worthing, West Sussex Licence Easting: 507500 Licence Northing: 105350 Operator Location: Norjon House, Newby Road, Hazel Grove, STOCKPORT, Cheshire, SK7 5DU Authority: Environment Agency - Southern Region, Sussex Area Site Category: Landfill Max Input Rate: Medium (Equal to or greater than 25,000 and less than 75,000 tonnes per year) Waste Source: Waste produced/controlled by licence holder Restrictions: Status: Licence has completion certificateSurrendered Dated: 1st May 1994 Preceded By: Not Given Licence: Superseded By: Not Given Licence: Positional Accuracy: Manually positioned to the address or location Boundary Accuracy: Not Applicable Authorised Waste: Broken Brickwork, Concrete Drain.Pipes Clay, Sub/Topsoils Max.Waste Permitted By Licence Prohibited Waste: Hazardous Wastes Waste N.O.S.	A14NE (E)	750	2	507500 105350

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS 1:625,000 Solid Geology Description: Thames Group	A13SE (N)	0	1	506552 105327
	BGS 1:625,000 Solid Geology Description: Lambeth Group	A13NW (N)	0	1	506537 105376
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13NW (N)	0	1	506543 105429
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (N)	0	1	506552 105327
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A13SE (S)	177	1	506552 105000
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic <15 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	229	1	506939 105591
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14SW (E)	248	1	507000 105327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A14NW (NE)	287	1	507000 105592
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A7NE (SW)	322	1	506191 104891
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: 100 - 200 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	375	1	506426 104785
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A8NW (S)	444	1	506500 104728
	BGS Estimated Soil Chemistry Source: British Geological Survey, National Geoscience Information Service Soil Sample Type: Sediment Arsenic 15 - 25 mg/kg Concentration: Cadmium <1.8 mg/kg Concentration: Chromium 60 - 90 mg/kg Concentration: Lead Concentration: <100 mg/kg Nickel 15 - 30 mg/kg Concentration:	A9NE (SE)	936	1	507509 104732
136	BGS Recorded Mineral Sites Site Name: Swillage Cottage Gravel Pit Location: , Patching, Worthing, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157669 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Palaeocene Geology: Lambeth Group Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19NW (NE)	747	1	507083 106164

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
137	BGS Recorded Mineral Sites Site Name: Kitpease Gravel Pit Location: , Patching, Worthing, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157668 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Spetisbury Chalk Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A19NW (N)	824	1	506886 106316
138	BGS Recorded Mineral Sites Site Name: Angmering Gravel Pit Location: , Angmering, Littlehampton, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157622 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Quaternary Geology: Head Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A9SW (SE)	865	1	507108 104450
139	BGS Recorded Mineral Sites Site Name: Kitpease Gravel Pit Location: , Patching, Worthing, West Sussex Source: British Geological Survey, National Geoscience Information Service Reference: 157667 Type: Opencast Status: Ceased Operator: Not Supplied Operator Location: Not Supplied Periodic Type: Cretaceous Geology: Spetisbury Chalk Member Commodity: Sand and Gravel Positional Accuracy: Located by supplier to within 10m	A24SW (N)	959	1	506917 106447
	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				
	Natural Cavities Easting: 507500 Northing: 106000 Distance: 918 Quadrant Reference: A19 Quadrant Reference: SE Bearing Ref: NE Cavity Type: Swallow Hole x 2 Solid Geology Detail: Chalk Group, Lambeth Group Superficial Geology No Details Detail:	A19SE (NE)	918	7	507500 106000
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	5	1	506499 105455
	Non Coal Mining Areas of Great Britain Risk: Rare Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	184	1	506491 104947
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	506552 105327
	Potential for Collapsible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	39	1	506450 105490
	Potential for Collapsible Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	156	1	506552 105000

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	506552 105327
	Potential for Compressible Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	39	1	506450 105490
	Potential for Compressible Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	156	1	506552 105000
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	506552 105327
	Potential for Ground Dissolution Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	156	1	506552 105000
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	506552 105327
	Potential for Landslide Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	156	1	506552 105000
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	506552 105327
	Potential for Running Sand Ground Stability Hazards Hazard Potential: No Hazard Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	0	1	506543 105429
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	39	1	506450 105490
	Potential for Running Sand Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	156	1	506552 105000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SE (N)	0	1	506552 105327
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A13NW (N)	5	1	506499 105455
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (SE)	87	1	506668 105100
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Low Source: British Geological Survey, National Geoscience Information Service	A13SW (S)	156	1	506535 105000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Very Low Source: British Geological Survey, National Geoscience Information Service	A13SE (S)	183	1	506552 105000
	Potential for Shrinking or Swelling Clay Ground Stability Hazards Hazard Potential: Moderate Source: British Geological Survey, National Geoscience Information Service	A8NW (S)	184	1	506491 104947
	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 (N)	0	1	506552 105327
	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	A13NW (NW)	0	1	506502 105372
	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 (N)	0	1	506552 105327

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
	Radon Potential - Radon Protection Measures Protection Measure: No radon protective measures are necessary in the construction of new dwellings or extensions Source: British Geological Survey, National Geoscience Information Service	A13NW (NW)	0	1	506502 105372

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
140	Contemporary Trade Directory Entries Name: M M B V W Audi Breaking Location: New Farm Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	0	-	506681 105310
140	Contemporary Trade Directory Entries Name: Angmering Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, West Sussex, BN16 4ET Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (E)	0	-	506644 105302
140	Contemporary Trade Directory Entries Name: A N G Commercials Location: Unit 9 New Place Nursery, Arundel Rd, Angmering, Littlehampton, West Sussex, BN16 4ET Classification: Salvage Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	0	-	506660 105288
140	Contemporary Trade Directory Entries Name: C J Coachworks Location: Unit 3 New Place Nursery, Arundel Rd, Angmering, Littlehampton, West Sussex, BN16 4ET Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	0	-	506644 105302
140	Contemporary Trade Directory Entries Name: Parris Repairs & Service Location: New Farm Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (E)	0	-	506676 105328
140	Contemporary Trade Directory Entries Name: A N G Commercials Location: New PI Nursery, Arundel Rd, Angmering, Littlehampton, West Sussex, BN16 4ET Classification: Commercial Vehicle Dealers Status: Inactive Positional Accuracy: Manually positioned to the address or location	A13SE (E)	0	-	506644 105302
140	Contemporary Trade Directory Entries Name: The Design Studio Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, West Sussex, BN16 4ET Classification: Printers Status: Active Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	506633 105270
140	Contemporary Trade Directory Entries Name: The Design Studio Printers Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, West Sussex, BN16 4ET Classification: Printers Status: Inactive Positional Accuracy: Automatically positioned to the address	A13SE (SE)	0	-	506633 105270
141	Contemporary Trade Directory Entries Name: Hammerpot Garage Location: Hammerpot, Angmering, Littlehampton, BN16 4EU Classification: Car Dealers Status: Active Positional Accuracy: Automatically positioned to the address	A13NE (NE)	128	-	506711 105635
142	Contemporary Trade Directory Entries Name: Oakhurst Aggregates Location: Oakhurst, Hammerpot, Angmering, Littlehampton, West Sussex, BN16 4EU Classification: Sand, Gravel & Other Aggregates Status: Inactive Positional Accuracy: Automatically positioned to the address	A13NE (N)	162	-	506665 105658
143	Contemporary Trade Directory Entries Name: Cleanforce Location: 18, Arundel Road, Angmering, Littlehampton, West Sussex, BN16 4LA Classification: Commercial Cleaning Services Status: Active Positional Accuracy: Automatically positioned to the address	A8NE (S)	301	-	506720 104913

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
144	Contemporary Trade Directory Entries Name: Clayton Cleaning Consultants Ltd Location: The Decoy, Decoy Lane, Arundel Road, Poling, Arundel, West Sussex, BN18 9QA Classification: Cleaning Services - Commercial Status: Inactive Positional Accuracy: Automatically positioned to the address	A12NW (W)	504	-	505841 105353
145	Contemporary Trade Directory Entries Name: Beyond The Sea Location: Dappers La, Angmering, Littlehampton, West Sussex, BN16 4EW Classification: Distribution Services Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A14SE (E)	524	-	507256 105156
146	Contemporary Trade Directory Entries Name: Chem-Dry Breeze Location: 10, Older Way, Angmering, Littlehampton, West Sussex, BN16 4HQ Classification: Carpet, Curtain & Upholstery Cleaners Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	564	-	506695 104641
147	Contemporary Trade Directory Entries Name: A & S Motors Location: Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EW Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	567	-	507305 105176
147	Contemporary Trade Directory Entries Name: Autohaus Location: Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EW Classification: Brake & Clutch Service Centres Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	567	-	507305 105176
147	Contemporary Trade Directory Entries Name: Butler Location: Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EW Classification: Car Body Repairs Status: Inactive Positional Accuracy: Manually positioned to the address or location	A14SE (E)	567	-	507305 105176
147	Contemporary Trade Directory Entries Name: Mini'S & Metro'S Location: Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EW Classification: Car Breakers & Dismantlers Status: Inactive Positional Accuracy: Automatically positioned to the address	A14SE (E)	567	-	507305 105176
147	Contemporary Trade Directory Entries Name: Ferreteria Location: Dappers Lane, Angmering, LITTLEHAMPTON, West Sussex, BN16 4EW Classification: Blacksmiths & Forgemasters Status: Active Positional Accuracy: Automatically positioned to the address	A14SE (E)	567	-	507305 105176
148	Contemporary Trade Directory Entries Name: The Fridge Doctor Location: Dappers La, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Refrigerators & Freezers - Servicing & Repairs Status: Inactive Positional Accuracy: Manually positioned to the road within the address or location	A9NE (SE)	628	-	507260 104918
149	Contemporary Trade Directory Entries Name: Burgess Ltd Location: Westbury, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Boilers - Servicing, Replacements & Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	637	-	507236 104861
150	Contemporary Trade Directory Entries Name: Prestige Doors (Southern) Ltd Location: Unit 14, Dappers Lane, Littlehampton, West Sussex, bn16 4en Classification: Industrial Engineers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	662	-	507315 104950

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
150	Contemporary Trade Directory Entries Name: Prestige Doors Location: Unit 14 St Denys Nursery, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Door Manufacturers - Domestic Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	662	-	507315 104950
150	Contemporary Trade Directory Entries Name: Unatec Product Design Location: Unit 6 Culbury Nurseries, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Glass Fibre Moulding, Materials & Manufacturers Status: Inactive Positional Accuracy: Manually positioned within the geographical locality	A9NE (SE)	662	-	507315 104950
151	Contemporary Trade Directory Entries Name: Arundel Road Garage Ltd Location: Arundel Road, Angmering, Littlehampton, West Sussex, BN16 4JZ Classification: Mot Testing Centres Status: Active Positional Accuracy: Automatically positioned to the address	A8SE (S)	662	-	506755 104553
151	Contemporary Trade Directory Entries Name: Arundel Road Garage Location: Arundel Road, Angmering, Littlehampton, West Sussex, BN16 4JZ Classification: Mot Testing Centres Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SE (S)	662	-	506755 104553
152	Contemporary Trade Directory Entries Name: Southdown Garage Services Location: Unit 1, St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	698	-	507275 104809
152	Contemporary Trade Directory Entries Name: Rag Bags Location: Unit 1, St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	699	-	507275 104809
152	Contemporary Trade Directory Entries Name: Rag Bags Location: Unit 1, St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Classification: Cleaning Materials & Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	699	-	507275 104809
153	Contemporary Trade Directory Entries Name: Old Place Farm Dairy Location: Old Place Farm, Rectory Lane, Angmering, Littlehampton, West Sussex, BN16 4JU Classification: Dairies Status: Inactive Positional Accuracy: Automatically positioned to the address	A8SW (S)	699	-	506403 104459
154	Contemporary Trade Directory Entries Name: South Coast Jags Location: Unit 1, The Acre, Dappers Lane, Angmering, Littlehampton, BN16 4EN Classification: Garage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	709	-	507346 104907
154	Contemporary Trade Directory Entries Name: W S Clear Location: The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Cabinet Makers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	712	-	507350 104911
154	Contemporary Trade Directory Entries Name: Godfrey'S Location: The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Car Painters & Sprayers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	712	-	507350 104911

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
154	Contemporary Trade Directory Entries Name: Ace Cutter Location: Unit 3, The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Machine Tool Accessories & Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	712	-	507350 104911
154	Contemporary Trade Directory Entries Name: Thatcher Motors Ltd Location: Unit 14, The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Car Body Repairs Status: Active Positional Accuracy: Automatically positioned to the address	A9NE (SE)	720	-	507379 104944
154	Contemporary Trade Directory Entries Name: J & D Motors Location: Unit 7, The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	722	-	507360 104907
154	Contemporary Trade Directory Entries Name: O'Donnell Location: Unit 9, The Acre, Dappers Lane, Angmering, LITTLEHAMPTON, West Sussex, BN16 4EN Classification: Engineers - General Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	727	-	507360 104897
154	Contemporary Trade Directory Entries Name: Geoff's Autos Location: Unit 2, The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	731	-	507370 104908
155	Contemporary Trade Directory Entries Name: Hamptons Location: Unit 3, St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Car Body Repairs Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	743	-	507326 104805
156	Contemporary Trade Directory Entries Name: Astron Engineering Ltd Location: Unit 4, The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Precision Engineers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	763	-	507402 104899
156	Contemporary Trade Directory Entries Name: European Machinery Sales Location: Unit 3, The Acre, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Metal Finishing Equipment Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	763	-	507402 104899
157	Contemporary Trade Directory Entries Name: C P S Autos Location: Broadlees, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	772	-	507291 104712
158	Contemporary Trade Directory Entries Name: Chandlers B M W Location: BMW House, Water Lane, Angmering, Littlehampton, West Sussex, BN16 4EH Classification: Car Dealers Status: Inactive Positional Accuracy: Automatically positioned to the address	A9SW (SE)	800	-	506925 104447

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
159	Contemporary Trade Directory Entries Name: Dw Autos Location: Unit 4, St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, West Sussex, BN16 4EN Classification: Garage Services Status: Inactive Positional Accuracy: Automatically positioned to the address	A9NE (SE)	808	-	507398 104796
160	Contemporary Trade Directory Entries Name: J D & P N Burrows Location: 5, Weavers Hill, Angmering, Littlehampton, BN16 4BP Classification: Road Haulage Services Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (SE)	825	-	507173 104536
161	Contemporary Trade Directory Entries Name: Seymour & Lisle Ltd Location: The Square, Angmering, Littlehampton, West Sussex, BN16 4EA Classification: Lawnmowers & Garden Machinery - Sales & Service Status: Active Positional Accuracy: Automatically positioned to the address	A9SW (S)	899	-	506914 104342
162	Contemporary Trade Directory Entries Name: Trade Window Manufacturing Location: Merivale Farm, Selden Lane, Patching, Worthing, West Sussex, BN13 3UL Classification: Window Frame Manufacturers Status: Active Positional Accuracy: Automatically positioned to the address	A20SW (E)	984	-	507676 105762
163	Points of Interest - Commercial Services Name: Swift Salvage Location: Unit 9, New PI Nursery, Arundel Rd, Angmering, Littlehampton, West Sussex, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506660 105288
163	Points of Interest - Commercial Services Name: Parris Repair Service Location: New PI Nursery, Arundel Rd, Angmering, Littlehampton, West Sussex, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506644 105302
163	Points of Interest - Commercial Services Name: C J Coachworks Location: Unit 3 New Place Nursery, Arundel Rd, Angmering, Littlehampton, West Sussex, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506644 105302
163	Points of Interest - Commercial Services Name: Angmering Auto Services Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506644 105302
163	Points of Interest - Commercial Services Name: C J Coachworks Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506676 105328
163	Points of Interest - Commercial Services Name: Angmering Auto Services Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506643 105302
163	Points of Interest - Commercial Services Name: Parris Repairs & Service Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506680 105310

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
163	Points of Interest - Commercial Services Name: A & B Autos Location: New Place Nursery, Arundel Road, Angmering, Littlehampton, BN16 4ET Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A13SE (E)	0	8	506681 105310
164	Points of Interest - Commercial Services Name: Goring Car Valet Location: 10 Furze Field Close, Angmering, Littlehampton, BN16 4LS Category: Personal, Consumer and other Services Class Code: Vehicle Cleaning Services Positional Accuracy: Positioned to address or location	A13SE (SE)	198	8	506833 105063
165	Points of Interest - Commercial Services Name: Glasweld Systems Location: 48 Lloyd Goring Close, Angmering, Littlehampton, BN16 4LQ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NW (SE)	406	8	506909 104864
166	Points of Interest - Commercial Services Name: Paul Skippins Location: Dappers Lane, Angmering, Littlehampton, BN16 4EW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	566	8	507305 105176
166	Points of Interest - Commercial Services Name: Ferreteria Location: Dappers Lane, Angmering, Littlehampton, BN16 4EW Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SE (E)	566	8	507305 105176
166	Points of Interest - Commercial Services Name: Paul Skippins Location: Dappers Lane, Angmering, Littlehampton, BN16 4EW Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A14SE (E)	567	8	507305 105176
166	Points of Interest - Commercial Services Name: Ferreteria Location: Dappers Lane, Angmering, Littlehampton, BN16 4EW Category: Construction Services Class Code: Metalworkers Including Blacksmiths Positional Accuracy: Positioned to address or location	A14SE (E)	567	8	507305 105176
167	Points of Interest - Commercial Services Name: Arundel Road Garage Location: Arundel Road, Angmering, Littlehampton, BN16 4JZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	662	8	506755 104553
167	Points of Interest - Commercial Services Name: Arundel Road Garage Ltd Location: Arundel Road, Angmering, Littlehampton, BN16 4JZ Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A8SE (S)	663	8	506754 104552
168	Points of Interest - Commercial Services Name: Southdown Garage Services Location: Unit 1 St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	698	8	507275 104809
168	Points of Interest - Commercial Services Name: J & D Motors Location: Unit 8 St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	706	8	507292 104821

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
168	Points of Interest - Commercial Services Name: Hampton's Bodywork Repairs Location: Unit 3 St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	743	8	507326 104805
169	Points of Interest - Commercial Services Name: South Coast Jags Location: Unit 1 The Acre, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	709	8	507346 104907
169	Points of Interest - Commercial Services Name: Thatcher Motors Ltd Location: Unit 14 The Acre, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	719	8	507378 104944
169	Points of Interest - Commercial Services Name: Geoff's Autos Location: Unit 2 The Acre, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	731	8	507370 104908
169	Points of Interest - Commercial Services Name: Geoff's Autos Location: Unit 2 The Acre, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	731	8	507370 104908
170	Points of Interest - Commercial Services Name: Dw Autos Location: Unit 4 St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Repair and Servicing Class Code: Vehicle Repair, Testing and Servicing Positional Accuracy: Positioned to address or location	A9NE (SE)	808	8	507398 104796
171	Points of Interest - Commercial Services Name: J D & P N Burrows Location: 5 Weavers Hill, Angmering, Littlehampton, BN16 4BP Category: Transport, Storage and Delivery Class Code: Distribution and Haulage Positional Accuracy: Positioned to address or location	A9SW (SE)	825	8	507173 104536
172	Points of Interest - Manufacturing and Production Name: Tank Location: BN16 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A14SE (E)	620	8	507358 105168
173	Points of Interest - Manufacturing and Production Name: Granite Design Location: Unit 4 St. Denys Nursery, Dappers Lane, Angmering, Littlehampton, BN16 4EN Category: Extractive Industries Class Code: Stone Quarrying and Preparation Positional Accuracy: Positioned to address or location	A9NE (SE)	808	8	507398 104796
174	Points of Interest - Manufacturing and Production Name: Tank Location: BN18 Category: Industrial Features Class Code: Tanks (Generic) Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	976	8	505368 105393
175	Points of Interest - Public Infrastructure Name: Sluice Location: BN18 Category: Water Class Code: Weirs, Sluices and Dams Positional Accuracy: Positioned to an adjacent address or location	A12NE (W)	215	8	506129 105366

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
176	Points of Interest - Public Infrastructure Name: Cemetery Location: Not Supplied Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	594	8	506683 104609
176	Points of Interest - Public Infrastructure Name: Cemetery Location: BN16 Category: Infrastructure and Facilities Class Code: Cemeteries and Crematoria Positional Accuracy: Positioned to an adjacent address or location	A8SE (S)	597	8	506682 104606
177	Points of Interest - Public Infrastructure Name: Filter Bed Location: BN18 Category: Infrastructure and Facilities Class Code: Waste Storage, Processing and Disposal Positional Accuracy: Positioned to an adjacent address or location	A11NE (W)	997	8	505353 105483
178	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	A13SW (S)	135	8	506507 105044
178	Points of Interest - Recreational and Environmental Name: Playground Location: Palmer Road, BN16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A13SW (S)	139	8	506517 105041
179	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	A8SE (S)	753	8	506699 104450
179	Points of Interest - Recreational and Environmental Name: Playground Location: Rectory Lane, BN16 Category: Recreational Class Code: Playgrounds Positional Accuracy: Positioned to address or location	A8SE (S)	758	8	506698 104445

Map ID	Details	Quadrant Reference (Compass Direction)	Estimated Distance From Site	Contact	NGR
180	Ancient Woodland Name: Not Supplied Reference: 1475989 Area(m²): 9505.8 Type: Ancient and Semi-Natural Woodland	A12NE (W)	229	9	506116 105360
181	Ancient Woodland Name: Decoy Pond Wood Plat The Lag Poling Brook Reference: 1475988 Area(m²): 31538.32 Type: Ancient and Semi-Natural Woodland	A12SE (W)	433	9	505940 105139
182	Ancient Woodland Name: Not Supplied Reference: 1476125 Area(m²): 292140.52 Type: Plantation on Ancient Woodland	A18NW (N)	553	9	506409 106030
183	Ancient Woodland Name: Pound Lane Coppice Lower Charlow Charlow Furze * Reference: 1475987 Area(m²): 5423 Type: Ancient and Semi-Natural Woodland	A17SE (NW)	565	9	505886 105708
184	Ancient Woodland Name: Charlow Furze Field Lower Charlow Pound Lane Co* Reference: 1476102 Area(m²): 21521.08 Type: Ancient and Semi-Natural Woodland	A17SW (NW)	596	9	505847 105706
185	Ancient Woodland Name: Not Supplied Reference: 1475986 Area(m²): 8584.61 Type: Ancient and Semi-Natural Woodland	A17SW (NW)	702	9	505865 105890
186	Ancient Woodland Name: Not Supplied Reference: 1475991 Area(m²): 1354.18 Type: Ancient and Semi-Natural Woodland	A18NE (N)	800	9	506716 106312
187	Ancient Woodland Name: Not Supplied Reference: 1476127 Area(m²): 1594933.32 Type: Plantation on Ancient Woodland	A17SW (NW)	881	9	505699 105992
188	Ancient Woodland Name: Not Supplied Reference: 1476126 Area(m²): 39846.15 Type: Plantation on Ancient Woodland	A24SW (NE)	988	9	507087 106427
189	Environmentally Sensitive Areas Name: South Downs Multiple Areas: N Total Area (m2): 690432994.81 Source: Natural England	A18SE (N)	172	9	506695 105698
190	National Parks Name: South Downs Multiple Area: N Area (m2): 1652679314.3 Source: Natural England Status: Fully Designated - designated as a National Park Designation Date: 2nd November 2009	A18SE (NE)	166	9	506713 105686
191	Nitrate Vulnerable Zones Name: Sussex Chalk Description: Groundwater Source: Environment Agency, Head Office	A13NW (NW)	5	10	506498 105455

Agency & Hydrological	Version	Update Cycle
Contaminated Land Register Entries and Notices Horsham District Council - Environmental Health Department Arun District Council - Environmental Health Department Worthing Borough Council - Environmental Health Department	February 2015 July 2013 March 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Discharge Consents Environment Agency - Southern Region	July 2017	Quarterly
Enforcement and Prohibition Notices Environment Agency - Southern Region	March 2013	As notified
Integrated Pollution Controls Environment Agency - Southern Region	October 2008	Not Applicable
Integrated Pollution Prevention And Control Environment Agency - South East Region - Solent & South Downs Area Environment Agency - Southern Region	July 2017 July 2017	Quarterly Quarterly
Local Authority Integrated Pollution Prevention And Control Arun District Council - Environmental Health Department Horsham District Council - Environmental Health Department Worthing Borough Council - Environmental Health Department	December 2014 June 2015 March 2013	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Controls Arun District Council - Environmental Health Department Horsham District Council - Environmental Health Department Worthing Borough Council - Environmental Health Department	December 2014 June 2015 November 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Local Authority Pollution Prevention and Control Enforcements Arun District Council - Environmental Health Department Horsham District Council - Environmental Health Department Worthing Borough Council - Environmental Health Department	December 2014 June 2015 November 2014	Annual Rolling Update Annual Rolling Update Annual Rolling Update
Nearest Surface Water Feature Ordnance Survey	May 2017	
Pollution Incidents to Controlled Waters Environment Agency - Southern Region	December 1999	Not Applicable
Prosecutions Relating to Authorised Processes Environment Agency - Southern Region	March 2013	As notified
Prosecutions Relating to Controlled Waters Environment Agency - Southern Region	March 2013	As notified
Registered Radioactive Substances Environment Agency - Southern Region	January 2015	
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	April 2017 April 2017 April 2017	Quarterly Quarterly Quarterly
Water Abstractions Environment Agency - Southern Region	April 2017	Quarterly
Water Industry Act Referrals Environment Agency - Southern Region	July 2017	Quarterly
Groundwater Vulnerability Environment Agency - Head Office	April 2015	Not Applicable

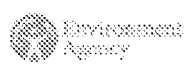
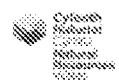
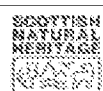
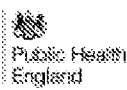
Agency & Hydrological	Version	Update Cycle
Drift Deposits Environment Agency - Head Office	January 1999	Not Applicable
Bedrock Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Superficial Aquifer Designations British Geological Survey - National Geoscience Information Service	August 2015	As notified
Source Protection Zones Environment Agency - Head Office	July 2017	Quarterly
Extreme Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2017	Quarterly
Flooding from Rivers or Sea without Defences Environment Agency - Head Office	August 2017	Quarterly
Areas Benefiting from Flood Defences Environment Agency - Head Office	August 2017	Quarterly
Flood Water Storage Areas Environment Agency - Head Office	August 2017	Quarterly
Flood Defences Environment Agency - Head Office	August 2017	Quarterly
OS Water Network Lines Ordnance Survey	April 2017	6 Weekly
Surface Water 1 in 30 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 100 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water 1 in 1000 year Flood Extent Environment Agency - Head Office	October 2013	As notified
Surface Water Suitability Environment Agency - Head Office	October 2013	As notified
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	May 2017	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	May 2017 May 2017 May 2017	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 2017 July 2017 July 2017	Quarterly Quarterly Quarterly
Local Authority Landfill Coverage Arun District Council - Technical Support Unit Horsham District Council - Environmental Health Department West Sussex County Council - Environment & Development Worthing Borough Council - Planning Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Local Authority Recorded Landfill Sites Arun District Council - Technical Support Unit Horsham District Council - Environmental Health Department West Sussex County Council - Environment & Development Worthing Borough Council - Planning Department	May 2000 May 2000 May 2000 May 2000	Not Applicable Not Applicable Not Applicable Not Applicable
Potentially Infilled Land (Non-Water) Landmark Information Group Limited	December 1999	Not Applicable
Potentially Infilled Land (Water) Landmark Information Group Limited	December 1999	Not Applicable
Registered Landfill Sites Environment Agency - Southern Region - 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	March 2017	Bi-Annually
Explosive Sites Health and Safety Executive	March 2017	Bi-Annually
Notification of Installations Handling Hazardous Substances (NIHHS) Health and Safety Executive	November 2000	Not Applicable
Planning Hazardous Substance Enforcements Horsham District Council - Planning Department Arun District Council - Technical Support Unit Worthing Borough Council - Planning Department West Sussex County Council - Environment & Development	August 2015 February 2016 February 2016 October 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update Annual Rolling Update
Planning Hazardous Substance Consents Horsham District Council - Planning Department Arun District Council - Technical Support Unit Worthing Borough Council - Planning Department West Sussex County Council - Environment & Development	August 2015 February 2016 February 2016 October 2006	Annual Rolling Update Annual Rolling Update Annual Rolling Update 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	As notified
BGS Recorded Mineral Sites British Geological Survey - National Geoscience Information Service	April 2017	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	As notified
Mining Instability Ove Arup & Partners	October 2000	Not Applicable
Non Coal Mining Areas of Great Britain British Geological Survey - National Geoscience Information Service	May 2015	Not Applicable
Potential for Collapsible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Compressible Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Ground Dissolution Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Landslide Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Running Sand Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Potential for Shrinking or Swelling Clay Ground Stability Hazards British Geological Survey - National Geoscience Information Service	June 2015	Annually
Radon Potential - Radon Affected Areas British Geological Survey - National Geoscience Information Service	July 2011	As notified
Radon Potential - Radon Protection Measures British Geological Survey - National Geoscience Information Service	July 2011	As notified

Industrial Land Use	Version	Update Cycle
Contemporary Trade Directory Entries Thomson Directories	June 2017	Quarterly
Fuel Station Entries Catalist Ltd - Experian	May 2017	Quarterly
Gas Pipelines National Grid	July 2014	Quarterly
Points of Interest - Commercial Services PointX	December 2016	Quarterly
Points of Interest - Education and Health PointX	December 2016	Quarterly
Points of Interest - Manufacturing and Production PointX	December 2016	Quarterly
Points of Interest - Public Infrastructure PointX	December 2016	Quarterly
Points of Interest - Recreational and Environmental PointX	December 2016	Quarterly
Underground Electrical Cables National Grid	December 2015	Bi-Annually
Sensitive Land Use	Version	Update Cycle
Ancient Woodland Natural England	May 2017	Bi-Annually
Areas of Outstanding Natural Beauty Natural England	August 2017	Bi-Annually
Environmentally Sensitive Areas Natural England	January 2017	Annually
Forest Parks Forestry Commission	April 1997	Not Applicable
Local Nature Reserves Natural England	August 2017	Bi-Annually
Marine Nature Reserves Natural England	August 2017	Bi-Annually
National Nature Reserves Natural England	August 2017	Bi-Annually
National Parks Natural England	August 2017	Bi-Annually
Nitrate Vulnerable Zones Environment Agency - Head Office Department for Environment, Food and Rural Affairs (DEFRA - formerly FRCA)	June 2017 October 2015	Bi-Annually Annually
Ramsar Sites Natural England	August 2017	Bi-Annually
Sites of Special Scientific Interest Natural England	August 2017	Bi-Annually
Special Areas of Conservation Natural England	August 2017	Bi-Annually
Special Protection Areas Natural England	August 2017	Bi-Annually

A selection of organisations who provide data within this report

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

Contact	Name and Address	Contact Details
1	British Geological Survey - Enquiry Service British Geological Survey, Kingsley Dunham 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	
4	Ordnance Survey Adanac Drive, Southampton, Hampshire, SO16 0AS	
5	Arun District Council - Technical Support Unit Civic Centre, Maltravers Road, Littlehampton, Sussex, BN17 5LF	
6	West Sussex County Council - Environment & Development County Hall, Tower hall, Chichester, West Sussex, PO19 1RH	
7	Peter Brett Associates Caversham Bridge House, Waterman Place, Reading, Berkshire, RG1 8DN	
8	PointX 7 Abbey Court, Eagle Way, Sowton, Exeter, Devon, EX2 7HY	
9	Natural England County Hall, Spetchley Road, Worcester, WR5 2NP	
10	Environment Agency - Head Office Rio House, Waterside Drive, Aztec West, Almondsbury, Bristol, Avon, BS32 4UD	
-	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

Geology 1:50,000 Maps Legends

Artificial Ground and Landslip

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	SLIP	Landslide Deposit	Sandstone and Mudstone	Quaternary - Quaternary

Superficial Geology

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	ALV	Alluvium	Clay, Silt, Sand and Gravel	Flandrian - Flandrian
	HEAD	Head	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	RTDU	River Terrace Deposits (Undifferentiated)	Sand, Silt and Clay	Quaternary - Quaternary
	RBD1	Raised Beach Deposits, 1	Sand and Gravel	Quaternary - Quaternary
	RMD	Raised Marine Deposits	Clay, Silt, Sand and Gravel	Quaternary - Quaternary
	CWF	Clay-with-flints Formation	Clay, Silt, Sand and Gravel	Quaternary - Pliocene

Bedrock and Faults

Map Colour	Lex Code	Rock Name	Rock Type	Min and Max Age
	LC	London Clay Formation	Clay, Silt and Sand	Eocene - Eocene
	LMBE	Lambeth Group	Clay, Silt and Sand	Paleocene - Paleocene
	TACH	Tarrant Chalk Member	Chalk	Campanian - Campanian
	SPCH	Spetisbury Chalk Member	Chalk	Campanian - Campanian
	NCK	Newhaven Chalk Formation	Chalk	Campanian - Santonian
	LPCK	Lewes Nodular Chalk Formation, Seaford Chalk Formation, Newhaven Chalk Formation, Culver Chalk Formation and Portsdown Chalk Formation (Undifferentiated)	Chalk	Campanian - Turonian
	NPCH	New Pit Chalk Formation	Chalk	Turonian - Turonian



Geology 1:50,000 Maps

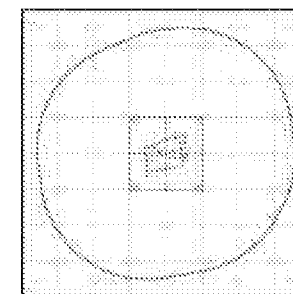
This report contains geological map extracts taken from the BGS Digital Geological map of Great Britain at 1:50,000 scale and is designed for users carrying out preliminary site assessments who require geological maps for the area around the site. This mapping may be more up to date than previously published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

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

Geology 1:50,000 Maps Coverage

Map ID:	1
Map Sheet No:	317
Map Name:	Chichester and I
Map Date:	1996
Bedrock Geology:	Available
Superficial Geology:	Available
Artificial Geology:	Available
Faults:	Not Supplied
Landslip:	Available
Rock Segments:	Not Supplied

Geology 1:50,000 Maps - Slice A

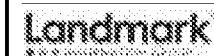


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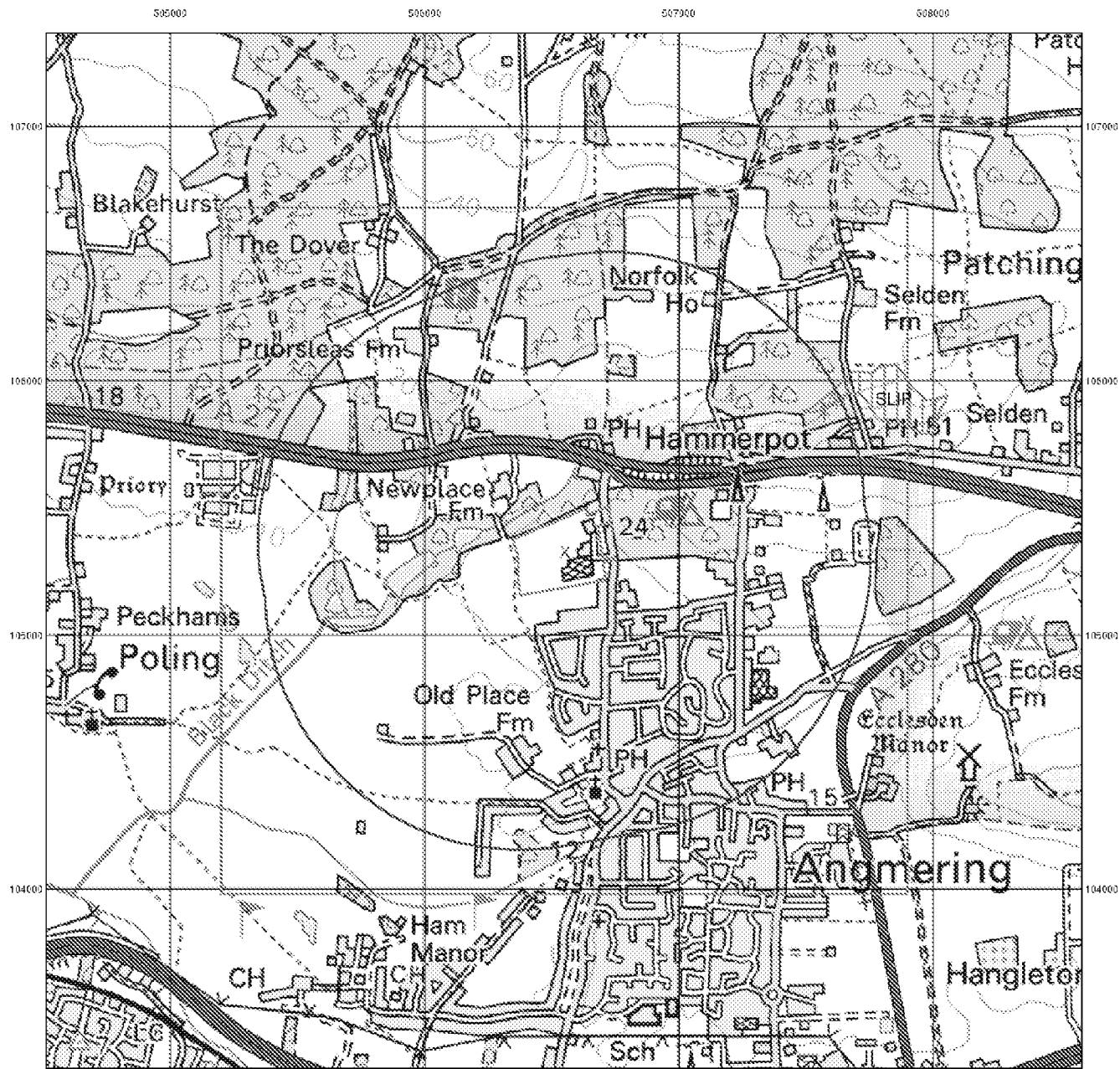
Order Number:	138190030_1_1
Customer Reference:	301954
National Grid Reference:	506550, 105330
Slice:	A
Site Area (Ha):	9.09
Search Buffer (m):	1000

Site Details:

Green Lodge, Angmering Park, Arundel Road, ANGMERING, BN16 4EX



Tel: 0544 544 0033
Fax: 0544 544 5551
Web: www.orskook.co.uk



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Artificial Ground and Landslip

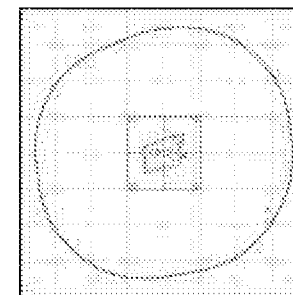
Artificial ground is a term used by BGS for those areas where the ground surface has been significantly modified by human activity. Information about previously developed ground is especially important, as it is often associated with potentially contaminated material, unpredictable engineering conditions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

Artificial ground includes:

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

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

Artificial Ground and Landslip Map - Slice A



Order Details:

Order Number: 138190030_1
 Customer Reference: 301954
 National Grid Reference: 506550, 105330
 Slice: A
 Site Area (Ha): 9.09
 Search Buffer (m): 1000

Site Details:

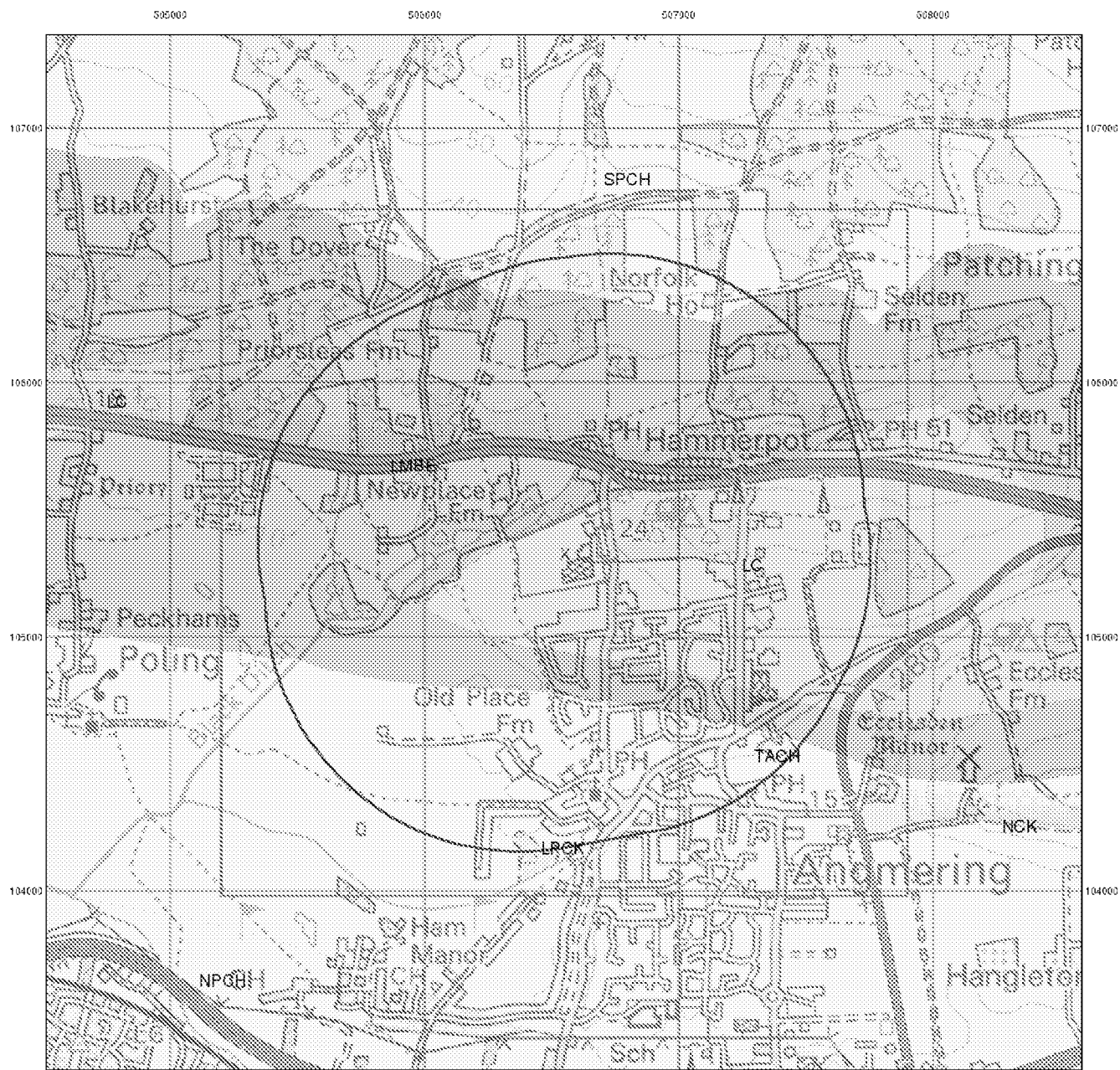
Green Lodge, Angmering Park, Arundel Road, ANGMERING, BN16 4EX

Landmark
 www.landmark.co.uk

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v15.0 05-Sep-2017

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Bedrock and Faults

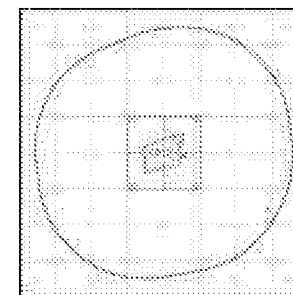
Bedrock geology is a term used for the main mass of rocks forming the Earth and are present everywhere, whether exposed at the surface in outcrops or concealed beneath superficial deposits or water.

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

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

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

Bedrock and Faults Map - Slice A



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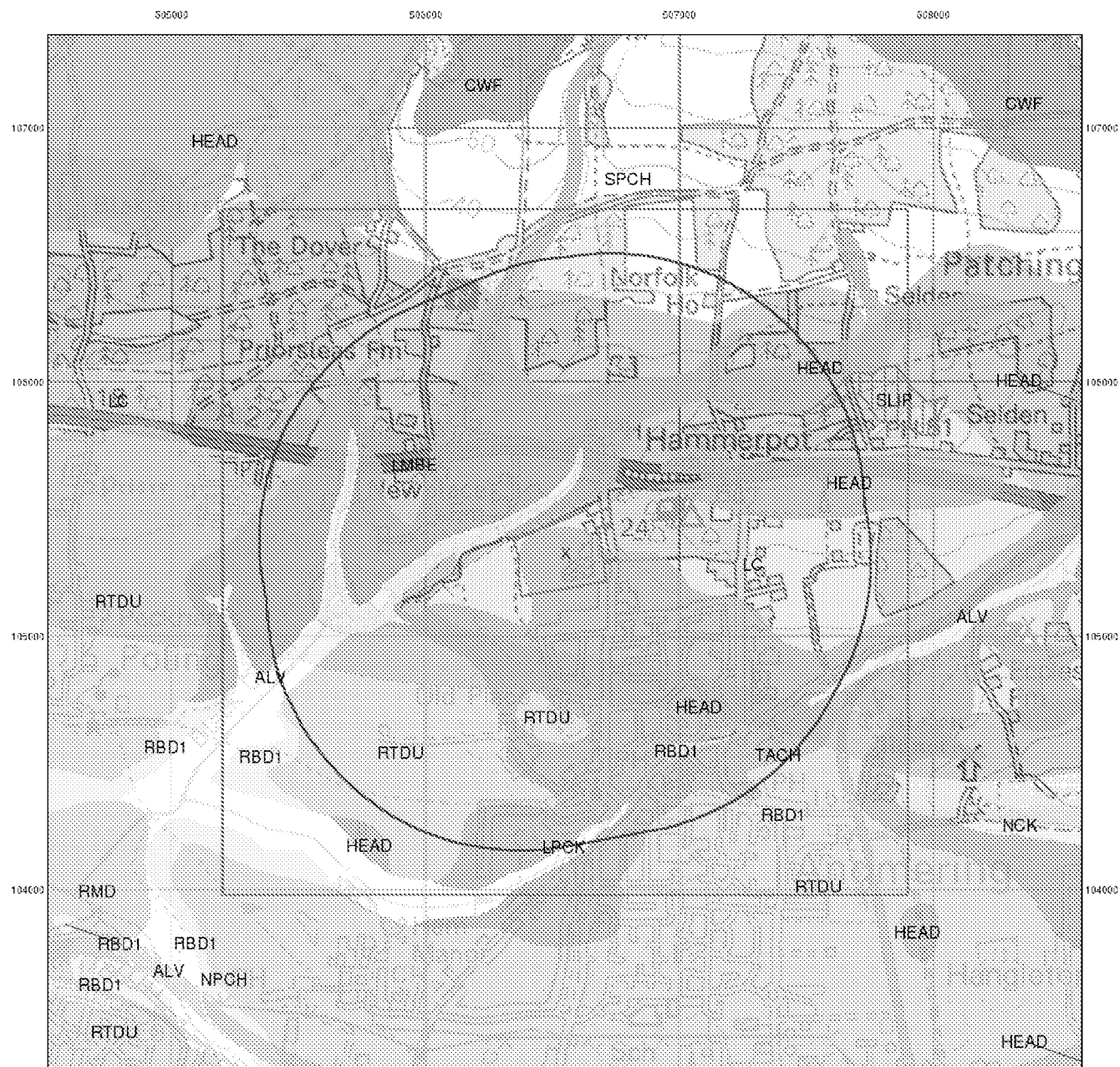
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 Customer Reference: 301954
 National Grid Reference: 506550, 105330
 Slice: A
 Site Area (Ha): 9.09
 Search Buffer (m): 1000

Site Details:

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Combined Surface Geology

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

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

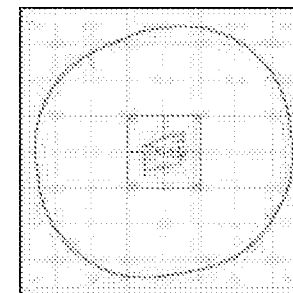
Additional Information

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

Contact

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

Combined Geology Map - Slice A

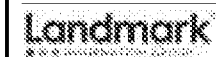


Order Details:

Order Number:	138190030_1_1
Customer Reference:	301954
National Grid Reference:	506550, 105330
Slice:	A
Site Area (Ha):	9.09
Search Buffer (m):	1000

Site Details:

Green Lodge, Angmering Park, Arundel Road, ANGMERING, BN16 4EX



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Historical Mapping Legends

Ordnance Survey County Series 1:10,560

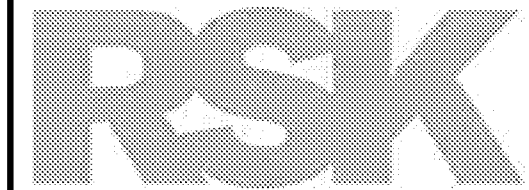
	Gravel Pit		Sand Pit		Other Pits
	Quarry		Shingle		Orchard
	Osiers		Reeds		Marsh
	Mixed Wood		Deciduous		Brushwood
	Fir		Furze		Rough Pasture
	Arrow denotes flow of water		Trigonometrical Station		
	Site of Antiquities		Bench Mark		
	Pump, Guide Post, Signal Post		Well, Spring, Boundary Post		
	285 Surface Level				
	Sketched Contour		Instrumental Contour		
	Main Roads		Minor Roads		
	Sunken Road		Raised Road		
	Road over Railway		Railway over River		
	Railway over Road		Level Crossing		
	Road over River or Canal		Road over Stream		
	Road over Stream				
	County Boundary (Geographical)				
	County & Civil Parish Boundary				
	Administrative County & Civil Parish Boundary				
	County Borough Boundary (England)				
	County Burgh Boundary (Scotland)				
	Rural District Boundary				
	Civil Parish Boundary				

Ordnance Survey Plan 1:10,000

	Chalk Pit, Clay Pit or Quarry		Gravel Pit
	Sand Pit		Disused Pit or Quarry
	Refuse or Slag Heap		Lake, Loch or Pond
	Dunes		Boulders
	Coniferous Trees		Non-Coniferous Trees
	Orchard		Scrub
	Bracken		Heath
	Marsh		Reeds
	Building		Glasshouse
	Sloping Masonry		Pylon
	Cutting		Embankment
	Road Under		Road Over
	Level Crossing		Foot Bridge
	Standard Gauge Multiple Track		Standard Gauge Single Track
	Siding, Tramway or Mineral Line		Narrow Gauge
	Geographical County		Administrative County, County Borough or County of City
	Municipal Borough, Urban or Rural District, Burgh or District Council		Borough, Burgh or County Constituency
	Civil Parish		
	Boundary Post or Stone		Police Station
	Church		Post Office
	Club House		Public Convenience
	Fire Engine Station		Public House
	Foot Bridge		Signal Box
	Fountain		Spring
	Guide Post		Telephone Call Box
	Mile Post		Telephone Call Post
	Mile Stone		Well

1:10,000 Raster Mapping

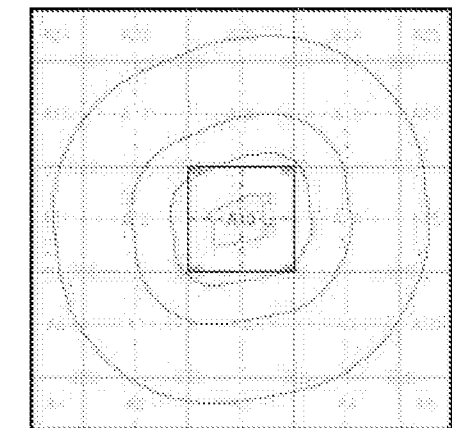
	Gravel Pit		Refuse tip or slag heap
	Rock		Rock (scattered)
	Boulders		Boulders (scattered)
	Shingle		Mud
	Sand		Sand Pit
	Slopes		Top of cliff
	General detail		Underground detail
	Overhead detail		Narrow gauge railway
	Multi-track railway		Single track railway
	County boundary (England only)		Civil, parish or community boundary
	District, Unitary, Metropolitan, London Borough boundary		Constituency boundary
	Area of wooded vegetation		Non-coniferous trees
	Non-coniferous trees (scattered)		Coniferous trees
	Coniferous trees (scattered)		Positioned tree
	Orchard		Coppice or Osiers
	Rough Grassland		Heath
	Scrub		Marsh, Salt Marsh or Reeds
	Water feature		Flow arrows
	Mean high water (springs)		Mean low water (springs)
	Telephone line (where shown)		Electricity transmission line (with poles)
	Bench mark (where shown)		Triangulation station
	Point feature (e.g. Guide Post or Mile Stone)		Pylon, flare stack or lighting tower
	Site of (antiquity)		Glasshouse
	General Building		Important Building



Historical Mapping & Photography included:

Mapping Type	Scale	Date	Pg
Sussex	1:10,560	1879	2
Sussex	1:10,560	1899	3
Sussex	1:10,560	1913 - 1914	4
Sussex	1:10,560	1913 - 1914	5
Sussex	1:10,560	1914	6
Sussex	1:10,560	1932	7
Sussex	1:10,560	1938 - 1943	8
Historical Aerial Photography	1:10,560	1947	9
Ordnance Survey Plan	1:10,000	1962	10
Ordnance Survey Plan	1:10,000	1976 - 1977	11
10K Raster Mapping	1:10,000	2000	12
10K Raster Mapping	1:10,000	2006	13
VectorMap Local	1:10,000	2017	14

Historical Map - Slice A

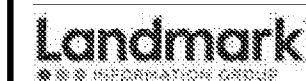


Order Details

Order Number:	138190030_1_1
Customer Ref:	301954
National Grid Reference:	506550, 105330
Slice:	A
Site Area (Ha):	9.09
Search Buffer (m):	1000

Site Details

Green Lodge, Angmering Park, Arundel Road, ANGMERING, BN16 4EX

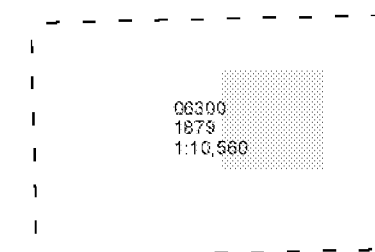


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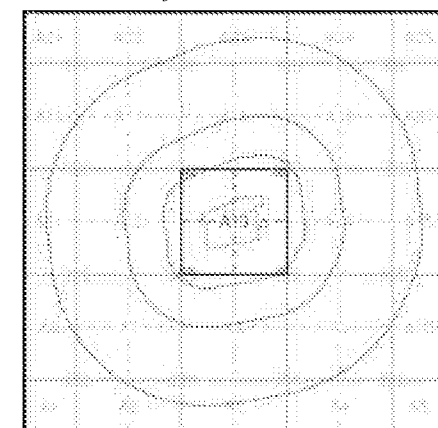


The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore is often some 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

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Customer Ref: 301954
National Grid Reference: 506550, 105330
Slice: A
Site Area (Ha): 9.09
Search Buffer (m): 1000

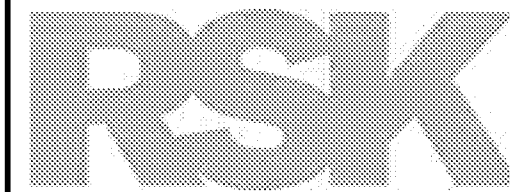
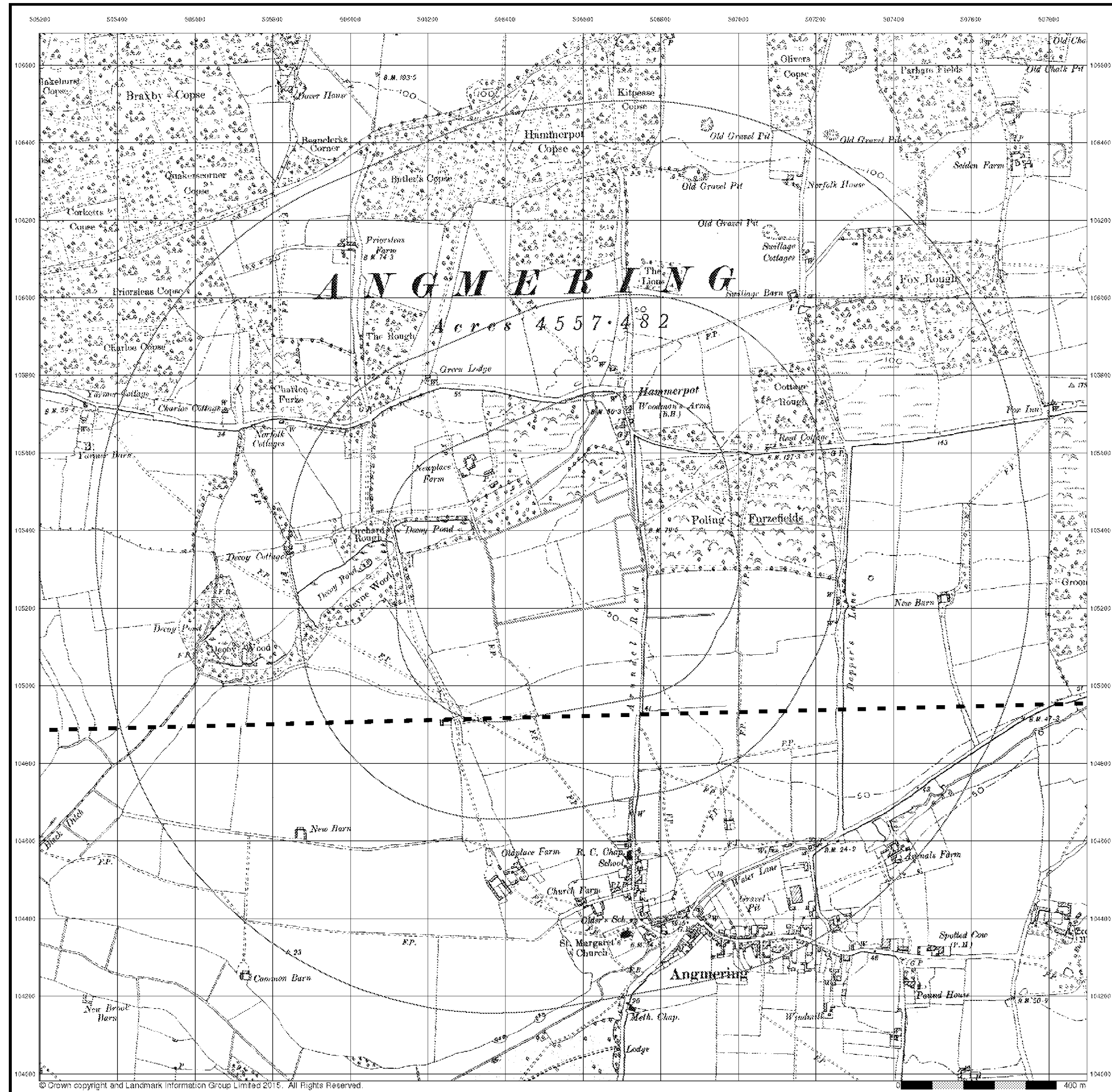
Site Details

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Landmark

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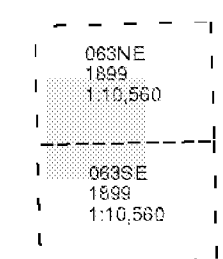
Sussex

Published 1899

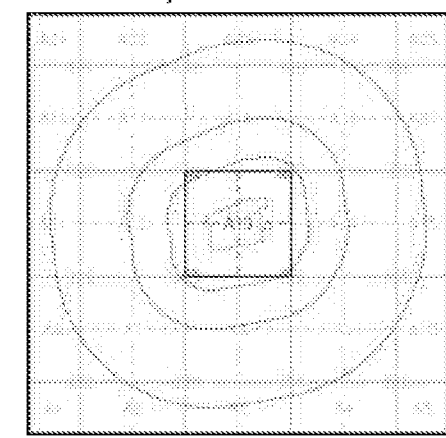
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The historical maps shown were reproduced from maps predominantly held at the scale adopted for England, Wales and Scotland in the 1840's. In 1854 the 1:2,500 scale was adopted for mapping urban areas; these maps were used to update the 1:10,560 maps. The published date given therefore 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. In the late 1940's, a Provisional Edition was produced, which updated the 1:10,560 mapping from a number of sources. The maps appear unfinished - with all military camps and other strategic sites removed. These maps were initially overprinted with the National Grid. In 1970, the first 1:10,000 maps were produced using the Transverse Mercator Projection. The revision process continued until recently, with new editions appearing every 10 years or so for urban areas.

Map Name(s) and Date(s)



Historical Map - Slice A

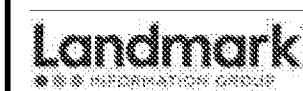


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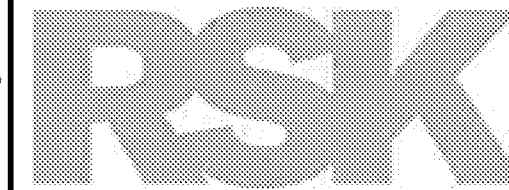
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Search Buffer (m): 1000

Site Details

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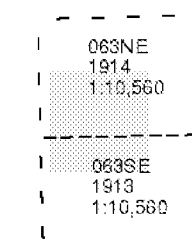
Sussex

Published 1913 - 1914

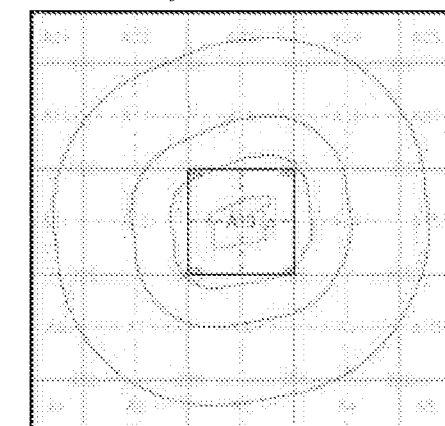
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Map Name(s) and Date(s)



Historical Map - Slice A



Order Details

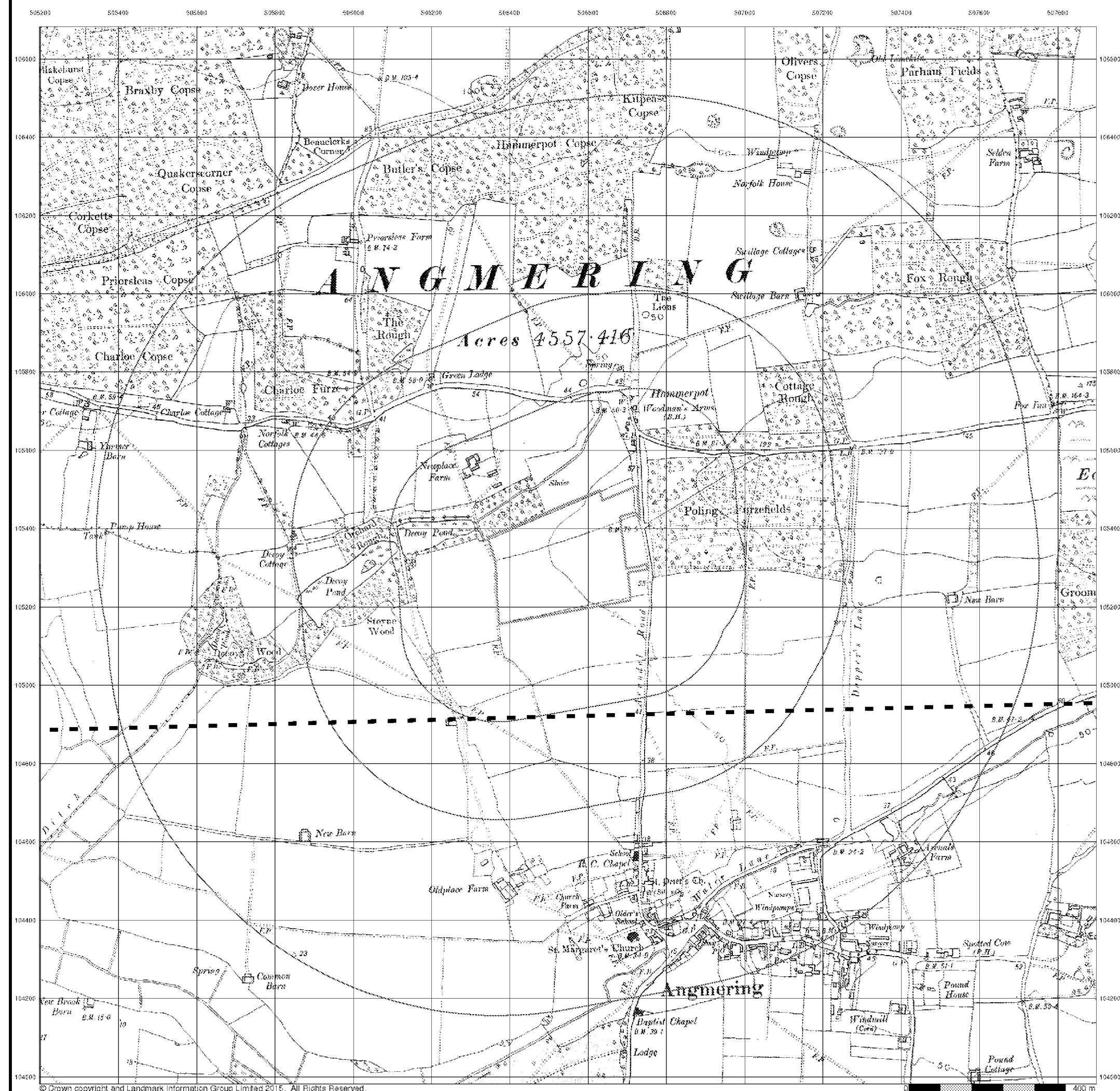
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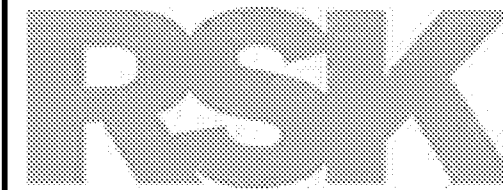
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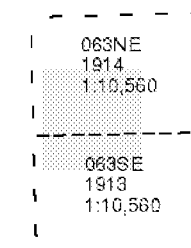
Sussex

Published 1913 - 1914

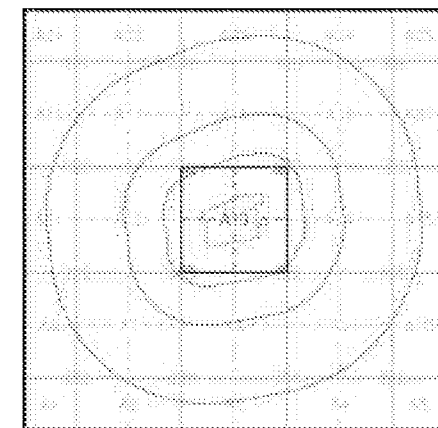
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Historical Map - Slice A



Order Details

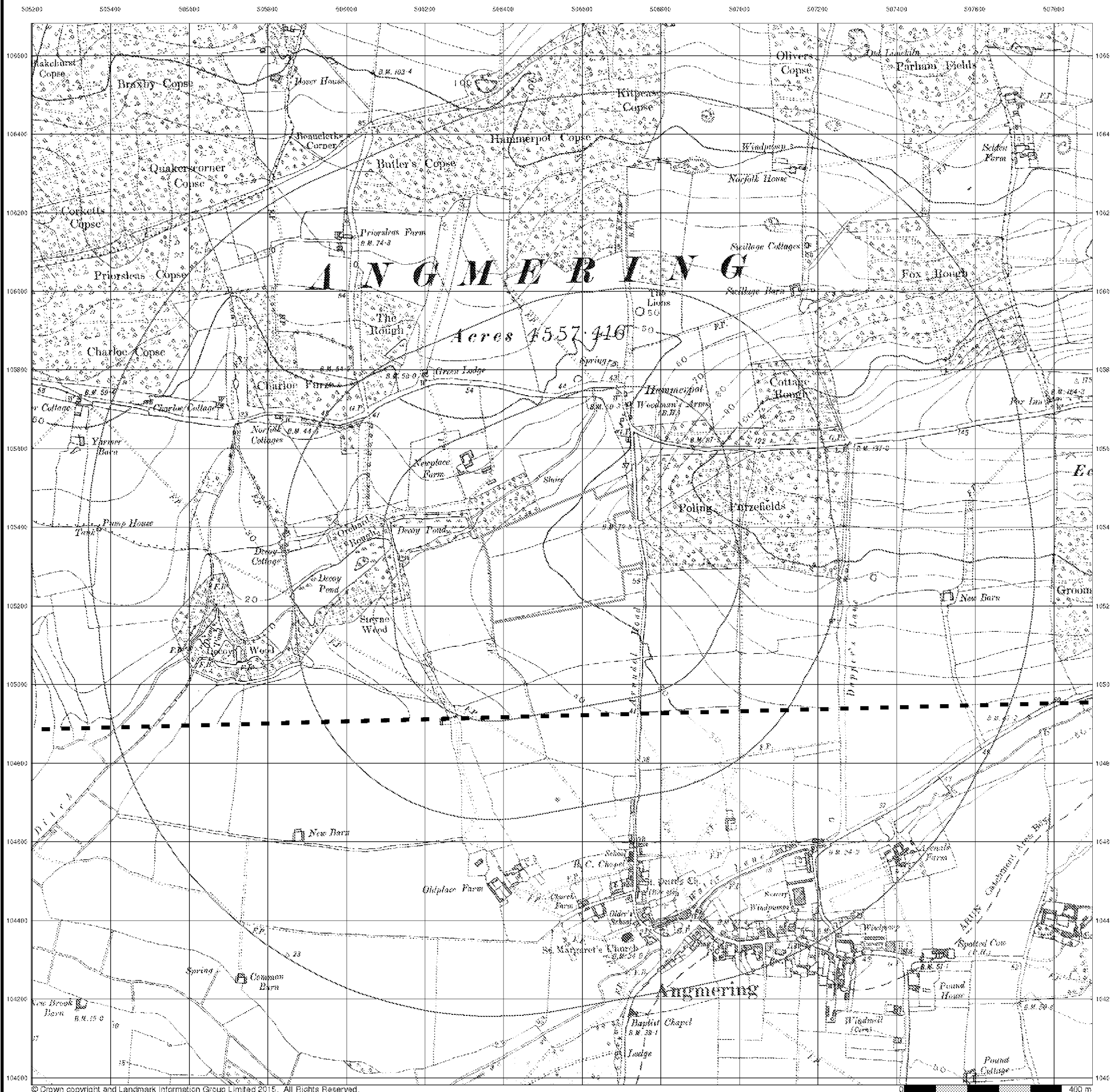
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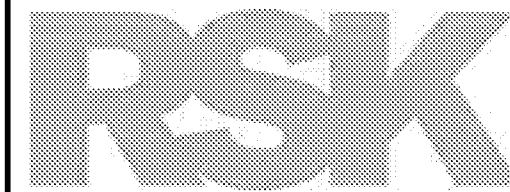
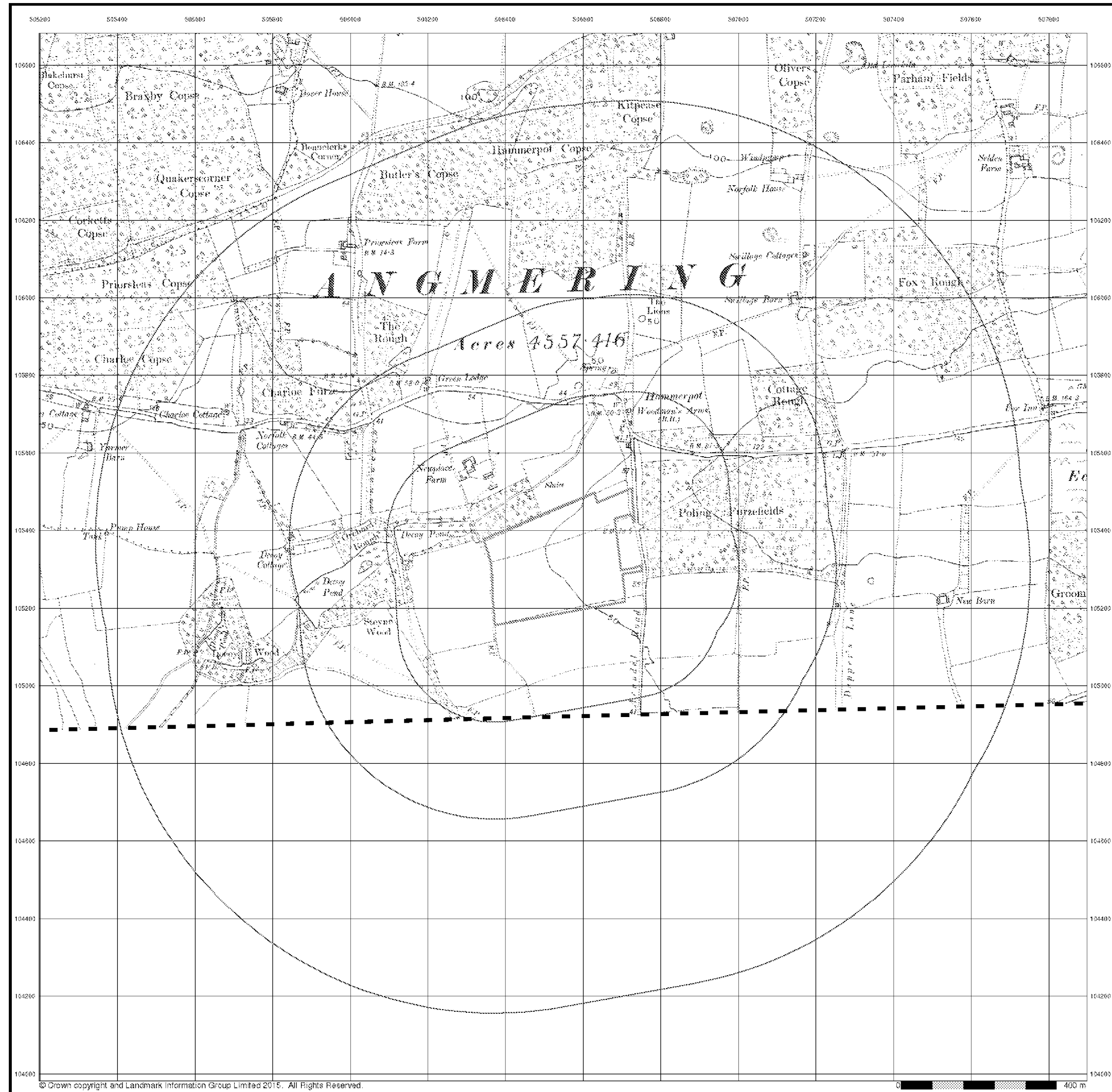
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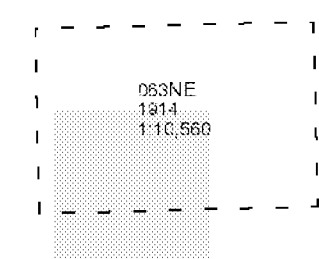
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Published 1914

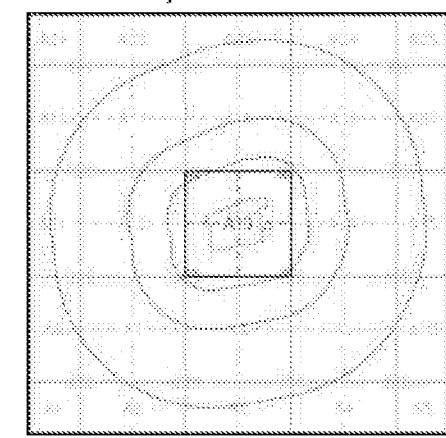
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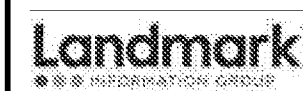


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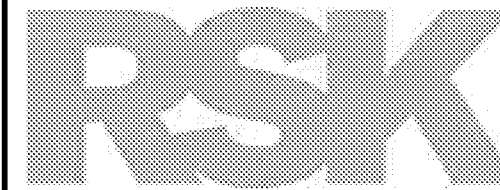
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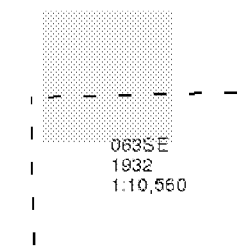
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Published 1932

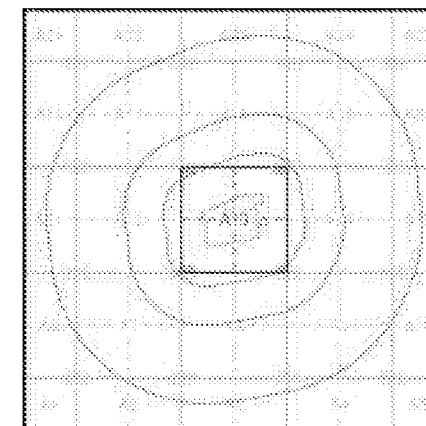
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